ECONOMIC UPDATE



Growing Gauteng Together



ECONOMIC UPDATE

First Quarter: 2020/2021



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1 Introduction

In an economic sense, the impact of the Coronavirus disease (COVID-19) on economic activity is as significant as the Great Depression and the Great Recession. From a previous forecast of growth, the International Monetary Fund¹ now estimates that the global economy will contract by 3 per cent in 2020. Already, significant signs of this contraction are evident with major economies such as the United States (US), China and Germany all contracting in the first quarter of 2020. This is expected to worsen in the second quarter were the majority of lockdowns were implemented.

However, the exact depth and character of this current and historical recession remain to be understood. There are clear indications of disruptions to global supply chains as manufacturing production decline, and therefore declines in the prices of key energy and non-energy inputs, including precious metals. The disruption of investment projects is of serious concern as investors re-evaluate prospects. Already first-quarter investment in Japan, Germany, and the US declined². This signals a deep recession and calls for policy action.

As such, similar to the policy response to the Great Recession the US, UK and China have expanded significant fiscal and monetary stimulus to support economic activity. The Federal Reserve, for example, is currently implementing unconventional monetary policy tools which can be broadly characterised as quantitative easing, in addition to various fiscal support measures passed by the US Congress. To varying degrees, other major economies are implementing similar policies.

Current data in South Africa, is only hinting at the impact of COVID-19 on economic activity. The first-quarter decline in Gross Domestic Product (GDP) signals a clear recession that will deepen in the second quarter³. However, in 2021 a recovery to 2.6 per cent is expected. Several stimulus measures are being implemented including the cutting of interest rates to historical lows and loan schemes to small and medium enterprises. This is in addition to the long-term structural reforms which include improving energy supply. However, all these measures and the weaker economic outlook suggest that the government will have to borrow further.

In the first quarter the provincial economy contracted by 1.29 per cent after a contraction of 1.43 per cent in the fourth quarter of 2019⁴. Excluding the Western Cape, all provinces are now in recession. However, the picture suggests that a quick recovery would have been possible without the impact of COVID-19. Current forecasts suggest that the Gauteng economy will contract by 6 per cent in 2020⁵. This forecast is highly dependent on the extent of COVID-19 disruptions. The Provincial Command Council, along with the broader government response continues to implement measures to mitigate against the impact of COVID-19.

¹ International Monetary Fund. (2020). World Economic Outlook, April 2020: The Great Lockdown.

² Federal Reserve Bank. (2020). Global in Life and Orderly in Death: Post-Crisis Reforms and the Too-Big-to-Fail Question.

 $^{^3}$ Statistics South Africa. (2020). Gross Domestic Product 2020Q1

⁴ Quantec Research. (2020). Easy Data Database.

 $^{^5}$ Gauteng Provincial Treasury. (2020). Gauteng CGE Model Forecast.

In this edition of the Economic Update we unpack the current impact of COVID-19 on the economy given the latest available data. We focus on the global, national, and provincial economies.

2 Global Economy

2.1 Economic growth

The COVID-19 pandemic is affecting the global economy negatively and it also has been inflicting high and rising human costs across the globe⁶. The International Monetary Fund (IMF) projected that the global economy will decline by 3 per cent in 2020, which is higher than the economic downturn that was caused by the 2008-09 global financial crisis.

The economic impact of COVID-19 had already been visible even before the virus spread across the world, as it affected China first. As a result, the output contractions that China experienced at the beginning of the pandemic affected the global economy. China plays a significant role in the global supply chain, travel and commodity markets. After the outbreak in that country, the other major economies such as the US and Europe experienced similar effects. Furthermore, other parts of the world also added to the impact at a smaller scale.



Figure 1: Advanced Economies and EMDEs Economic Growth

Source: Organization for Economic Cooperation and Development (2020)

⁶ International Monetary Fund. (2020). World Economic Outlook, April 2020: The Great Lockdown.

Figure 1 shows that growth in advance economies and emerging market and developing economies (EMDEs) was negatively affected by the COVID-19 containment measures in the first quarter of 2020. Therefore, in 2020 contractions of 6.1 per cent and 2.2 per cent are expected in advanced economies and EMDEs. This reflects the disruption in the advanced economics, where most parts had severe outbreaks of the COVID-19.

Globally most the economies contracted in the first quarter of 2020, and some had already experienced contractions in the previous quarter. Most of these economies were European economies, such as Finland and Greece. In addition, significant downturns in the first quarter of 2020 were mostly visible in the advanced economies.

Industrial activity dropped across the globe. Global manufacturing output declined by 6 per cent in the first quarter of 2020⁷. This was the first decline of this magnitude since the 2008/9 financial crisis, and the manufacturing output was already facing a gradual decline pre-COVID-19 impact, due to the 2019 global economic slowdown. The trade uncertainty caused by the China-US trade dispute predominantly in 2019, has also contributed to the fall in manufacturing output. Chinas weight on the decline in manufacturing output was the largest since it is the worlds largest manufacture, and it was the first country to go on lockdown. Chinas manufacturing output declined by 14.1 per cent in the first quarter. On the other hand, countries which initiated the lockdown at a later stage experienced a moderate contraction. Industrialised economies with a later lockdown had a contraction of 2.5 per cent in the first quarter.

Economic activity collapsed in the Sub-Saharan African (SSA) region in the first half of the year, as most of the authorities in this region enforced stringent containment measures to relieve their most often fragile health systems. Economic activity fell significantly in the first half of the year in two of the largest SSAs economies (Nigeria and South Africa)⁸. SSA did not only suffer from its economic activity halt, but it was also impacted by the affected major trading partners, fall in global commodity prices(especially oil and industrial metal exporters), and disruption in the global travel and supply chain. The region also had to face an unusual outflow of capital, as investors avoided the risk of losses, particularly in economies with weak health systems, large tourism sectors, balance sheet vulnerabilities to financing shocks, and that are dependent on commodity exports.

2.2 Commodity prices

COVID-19 has affected the economy through various channels. Amongst these channels was the financial markets taking a knock due to the increase in uncertainty. This uncertainty in the markets has resulted in a flight to safe assets and investors to liquidate their holdings. Furthermore, the commodity market has suffered a drop in prices, given the low global demand that is putting pressure on commodity-exporting economies. Mostly affected, were energy and non-energy commodity prices, but pre-

⁷ United Nations Industrial Development Organisation. (2020). World manufacturing growth in Quarter I 2020.

⁸ World Bank. (2020). June 2020 Global Economic Prospects.

cious metal prices showed some resilience (see Figure 2).



Figure 2: Global Commodity Price Index

Source: International Monetary Fund (2020)

The measures taken to contain the COVID-19 have directly impacted the commodity markets and supply chains, and the weaker global growth will further affect the global demand for commodities post-COVID-19 containment measures⁹. Most of the impact was visible in the energy commodity market, especially the oil prices. Oil prices led the fall in commodity prices with a price fall of about 70 per cent in the first quarter of 2020. This fall was caused by travel restrictions which significantly led to the decline of the demand for oil and other fuels which are used in transportation.

In the non-energy commodities, agriculture commodities were less affected than industrial metals. Manifestly, the prices of the main food commodities had fallen by 9 per cent in the first four months of 2020. However, natural rubber prices behaved differently within the basket of agriculture commodities, it fell by 25 per cent, since two-thirds of its consumption is explained by the production of tires for the transport sector (which was of the most affected sectors during the COVID-19 restrictions). Moreover, prices for Industrial metals were more impacted than other non-energy commodities with a fall of 19 per cent between January and April.

Precious metals prices were heavily sustained by the gold price. The gold price has increased by 8 per cent between January and April, driven by investors searching for safe assets. Contrarily, silver and platinum fell in March and remained low in April, both falling by about 70 per cent. These two commodities are more of a production input than an investors wealth creation asset, which explains the fall. Additionally, more than 40 per cent of the platinum demand is for the automobile production, and the production of the automobile was halted by COVID-19 lockdowns.

Similar to the commodity market the overall international trade has also eased. Global trade value declined by 3 per cent in the first quarter of 2020 when compared

⁹ World Bank. (2020). Special Focus, A Shock Like No Other: The Impact of COVID-19 on Commodity Markets.

to the previous quarter¹⁰. A further 27 per cent decline is expected in the second quarter, as the effects of the COVID-19 containment measures continue to progress. Trade volumes are expected to decline, but at a moderate rate for the first half of the year. Most of the global trade declines were because of the sharp falls in China and East Asia.

2.3 Investment

Investment fell in most parts of the global economy, due to the increased uncertainty caused by the COVID-19 pandemic. However, some of the EMDEs have experienced a boost to their investment. This is due to private investment being attracted by the governments efforts to inject money to strengthen the infrastructure that is related to fight against COVID-19¹¹. This has manifested in countries like Turkey, where there is continued investment recovery from a deep contraction in investment that was experienced in the previous year (See Figure 3).



Figure 3: Global Investment

Source: International Monetary Fund (2020)

The investment decline in the US was reflected in the sharp decline in its GDP. The investment decline was a result of a decrease in private inventory investment and non-residential fixed investment¹². Moreover, the declines were also visible in other

¹⁰ United Nation Conference on Trade and Development. (2020). Global Merchandise Trade Nowcast May 2020.

¹¹ World Bank. (2020). June 2020 Global Economic Prospects.

¹² Bureau of Economic Analysis. (2020). Gross Domestic Product, First Quarter 2020 (Second Estimate).

advanced economies, as investment growth also depends on international trade. The halted international trade due to COVID-19 caused financial fragility for firms, and uncertainty also caused investors to delay expansions. This affected economies such as Japan and Germany, which are industrial intensive economies. Furthermore, in the EMDE group, India is also one of the high industrial countries, and it experienced a significant drop in its investment, amidst the low level of industrial activity.

2.4 Policy interventions

The impact of the COVID-19 pandemic has intensified the need for monetary policy easing across the global economy. However, there are economics which had already begun with easing since 2019, due to the 2019 global economic slow-down. The Global Monetary Policy Tracker index¹³ signalled a monetary easing for the first time in March 2019 since September 2016¹⁴. In January 2020 the index was tracking closer to its neutral benchmark (zero) and increased to 3.23 index points, but in March 2020 it bounced towards an extreme monetary easing benchmark (-10) as it registered 9.65ip.

In the advanced economies, a significant scale of monetary easing was also evident. The US Federal Reserve Bank has cut rates to almost zero, and it has made unlimited purchases of debts, various bonds and mortgage-backed obligations.

Moreover, the European Central Banks low-interest loans to banks, significantly boosted asset purchases, and allayed fears of member-country defaults by lifting distributional restrictions on its bond-buying program. The Bank of Japan contributed to the easing of its economy by increasing its balance sheet, through more purchases of securities and corporate bonds. The measures made by the major economies was not limited to those economies only, other groups of economies and individual economies have also acted towards easing monetary policy stances.

In EMDEs, monetary authorities have implemented a variety of traditional monetary policy measures which are on aggregate, of an easing manner¹⁵. TThe prospects of a low inflation environment due to the low oil prices and low aggregate demand has given the authorities much-needed space to curb the effects of the COVID-19 pandemic on the economy.

Most authorities have put fiscal policy interventions in place to neutralise the effects of the COVID-19 pandemic. The policies were aimed at boosting the health systems to fight the spread of COVID-19 and to curb the negative effects on the economy. In the US, the government has provided \$3 trillion financial support, and provided more than \$1 trillion in loans to businesses, state and local governments¹⁶.

¹³ Global Monetary Policy Tracker is an index that is compiled by the Council on Foreign Relation, it compiles data from 54 countries around the world to highlight significant global trends in monetary policy. Who is tightening policy? Who is loosening policy? And what is the policy stance of the world as a whole

¹⁴ Council on Foreign Relation. (2020). Global Monetary Policy Tracker. www.cfr.org (accessed on the 17th June 2020)

 $^{^{15}}$ World Bank. (2020). June 2020 Global Economic Prospects.

¹⁶ World Bank. (2020). June 2020 Global Economic Prospects.

A further direct transfer to households is under considerations, to relieve households. Member countries in the Euro Area have rolled out stimulus fiscal support packages, and loan guarantees for the corporate sector. Japan had already begun in the fourth quarter of 2019 to stimulate its economy. In addition to this initial stimulus, Japan announced cumulative fiscal support worth 40 per cent of its GDP.

It was easier for advanced economies to put in sizeable fiscal measures as they have space to borrow more funds or tap into their reserves. However, the reality is different in the case of EMDEs and low-income countries, as they are mostly unable to service debt, or they already have high debt levels. This limits their fiscal space to maneuver, also, EMDEs have more low-income and unemployed citizens relative to the advance economies by nature, and this poses a challenge. Fiscal measures in EMDEs were mostly centred around health care systems and social welfare of its citizens.

3 South Africa Economy

3.1 Economic growth

The South African economy declined in three consecutive quarters, dating from the third quarter of 2019 to the first quarter of 2020. Moreover, the total declining quarters between the first quarter of 2019 and first of 2020 were four; and the first quarter of 2019 was the deepest decline. The fall in consumer demand, investment, business confidence and production disruptions from unplanned electricity cuts, were the factors that affected the economy in 2019.

In the first quarter of 2020, the declining trend continued, as most of the 2019 issues remained unresolved and the decline magnitude increased as the international environment was unfavourable. The international environment was troubled by the trade tension between the US and the Chinese economy, and this was further worsened by the outbreak of the COVID-19 outbreak. the outbreak of the pandemic resulted in further international trade and output disruptions, as most economies initiated economic lockdowns.

The South African lockdown was initiated at the end of the first quarter, which makes it almost impossible that the economy was affected the domestic lockdown. However, the SA economy in the first was mostly affected by the external factors, and its own structural problems which includes a lack of stimulus fiscal policy space, declining investment, low aggregate demand, high unemployment rate and electricity supply disruptions. Furthermore, the impact of the COVID-19 will be revealed in the second quarter.





Source: Statistics South Africa (2020)

Nonetheless, the agricultural sector had rebound in the first quarter of 2020 as it recovered from the 2019 drought, and agriculture exports recovered from a decline 43.8 per cent quarter on quarter to a growth of 30.5 per cent quarter on quarter¹⁷. The service sectors namely finance, real estate and business services, personal service, and government services showed some resilience in the first quarter. On the other hand, the trade sector was negatively impacted in the first quarter of 2020 as consumer and business sentiment crashed in the first quarter of 2020. The FNB/BER¹⁸ consumer confidence index and business confidence index fell further below low their long-run average, thus affecting the retailers and overall SA trade. Manufacturing sector and the mining sector production were affected by the electricity supply cuts, which was coupled with low domestic and export demand.

All the business cycle indicators have been on a declining trend, showing the gradual decline of the activity, more especially in the first quarter of 2020. More importantly, the leading indicators which shows a significant fall and in April 2020.

¹⁷ Quantec.(2020). Easydata database.

¹⁸ First National Bank(FNB)/Bureau of Economic Research(BER)



Figure 5: Industry Growth

Source: Statistics South Africa (2020)

All the business cycle indicators have been on a declining trend, showing the gradual decline of activity, more especially in the first quarter of 2020. More importantly, the leading indicator showed a significant fall and April 2020 (see Figure 6) suggesting further declines in the second quarter of 2020.

Figure 6: Business Cycle Indicators



Source: South African Reserve Bank (2020)

The coincident indicator and the lagging indicator also declined, emphasising the low growth that was already quantified in the first quarter of 2020. Moreover, the significant fall of the coincident indicator and the lagging indicator in March, increases the chances of a larger revised GDP declined for the first quarter as it takes more recent data into account than was available during the release of the first quarter GDP figures.

3.2 Consumer and business confindence

The consumer and business confidence have dropped to their historically low levels in the first two quarters of 2020 after they experienced some gains or stabilised during 2019. The main reason for the drop in consumer confidence was the unwillingness of the consumers to spend on durable goods and depressed income prospects as a result of sluggish economic growth and the impact of the COVID-19. Hence, vehicle sales have dropped since the beginning of the year, mostly owing to the sluggish economy, and they only rebounded in April, probably due to lower borrowing interest rates.



Figure 7: Consumer and Business Confidence

Source: Statistics South Africa (2020), Bureau for Economic Research (2020), National Association of Automobile Manufacturers of South Africa (2020)

The retail sales growth has also been trending lower during 2019 and the beginning of 2020, with an exception in March 2020. Retail sales growth surged higher in March, signalling the panicking buying before the economic lockdown towards the end of March. Although there was a pickup in retail and vehicle sales, the overall economic sentiment was depressed in the first half of the year. Consumer and business confidence dropped in the first quarter and dropped even further in the second quarter of 2020 (COVID-19 is cited as the main reason). Furthermore, the impact of the COVID-19 left businesses uncertain about the future of the economy.

3.3 Labour market

The labour market was also vulnerable due to the declining trend in GDP. The decline resulted in the increasing unemployment rate throughout 2019 and the first quarter of 2020. The unemployment rate increased from 29.1 per cent in the fourth quarter of 2019 to 30.1 per in the first quarter of 2020 (see Figure 8).



Figure 8: Labour Market

Source: Statistics South Africa (2020)

The high unemployment rate is created by the inability of the economy to create enough jobs, and further worsened by instances like where employment growth declined (as in the fourth quarter of 2019). The labour market in the first quarter of 2020 when compared to the previous quarter, shed 38 thousand jobs, and the number of unemployed persons increased by 344 thousand. However, there was a marginal total employment growth in the first quarter of 2020 when compared to the first quarter of 2019. This growth in employment was due to the increase in overall formal employment, agriculture, and the private household sectors. However, this growth was reduced by the decline in the informal sector. Moreover, growth in the informal sector employment had declined in the first when compared to the same quarter of 2019.

The labour force grew in the first quarter of 2020. Employment only grew by 0.6 per cent (year on year) and the number of unemployed increased by 14 per cent

(year on year). The trend of low employment growth and high unemployment could worsen as most companies are impacted by the effects of economic disturbances arising from the COVID-19 challenges.

3.4 Consumer prices

Consumer Price Inflation (CPI) in SA has been well anchored on the bottom end throughout 2019 and in the first few months of 2020. This is as there has been an economic slow-down in SA and globally which dampened the aggregate demand. In addition, the international oil price edged lower, reducing price pressures that are related to imported oil. The rand was also stable at relatively stronger levels prior to the COVID-19 impact, which also implied lower inflation.

Figure 9: Consumer Inflation

Source: Statistics South Africa (2020)

Overall CPI declined between the end of the first quarter and the beginning of the second quarter of 2020. This was mainly due to the decline in transport inflation, as the country was in a heavy lockdown during that period and travelling was limited. Electricity and other fuels also experienced declines in the same period but at a slower pace. On the other hand, food inflation, and water other services stabilised at a slowly increasing rate, as these categories remained almost uninterrupted during the lockdown.

3.5 Monetary policy

The South African Reserve Bank (SARB) kept the interest rate unchanged in most of its meetings during 2019 and started to cut the policy rate at the beginning of 2020, citing a subdued economic environment and low inflation in both the global and local economies. Nonetheless, SARB responded to the risk of the COVID-19 pandemic on the economy by implementing a series of rate cuts which started in March, which accumulated to 250 basis points.

Figure 10: Monetary Policy

Source: South African Reserve Bank (2020)

Businesses have been requiring more liquidity due to COVID-19 effects. Hence the domestic credit extension has spiked since the beginning of the lockdown in March. Deposit holdings of non-financial companies were high in March and slightly moderated in May, due to the effects of COVID-19 on the business activity and cashflow¹⁹. Households demand for loans and advances had significant fallen after the spike in March, showing that households have less appetite for the credit given the conditions resulting from the COVID-19 pandemic. Like business, households also experienced an increase in their deposits, instead of spending their funds due to the uncertainty; their deposits were lesser in May as consumers suffered from job losses and income reduction.

¹⁹ South African Reserve Bank. (2020). Quarterly Economic Bulletin-June 2020.

3.6 Policy interventions

The SARB in response to the impact of the COVID-19 on the economy cut the repurchase rate and also continued to maintain their mandate to protect the value of the Rand, stabilize the financial sector, maintain the inflation according to their target, and on overall, promote economic growth.

On the other hand, the government has implemented several adjustments which are mostly fiscal policy adjustments aiming to fight the spread of COVID-19 and cushion the economy from the impact of COVID-19. Also, the National Treasury and SARB have worked together to ensure that, approximately R500 billion is available, as per the Honorable President Ramaphosa's announcement of the R500 billion stimulus package²⁰.

The National Treasury together with SARB has compiled a combined monetary and fiscal stimulus package which is over R800 billion. The fiscal package includes social support against poverty worth R50 billion, which will be distributed as additional security grants and unemployment grants. Also, the National Treasury has implemented tax reliefs that are aimed at supporting businesses, in which some of the tax proposals of the current budget cycle are postponed.

4 Gauteng Economy

4.1 Economic growth

At the provincial level, 8 out of the 9 provinces contracted in the first quarter. Also, similar to the national economy, these 8 provinces are now in recession. Gauteng in particular contracted by 1.29 per cent in the first quarter of 2020 from 1.43 per cent in the fourth quarter of 2019. Therefore, Gauteng contracted lesser than the national economy and most other provinces. The contraction was most severe in the less diversified economies of the North West, Limpopo, and Mpumalanga.

²⁰ Ministry of Finance Republic of South Africa. (2020). Remarks by Minister of Finance, Mr. Tito Mboweni, During the Media Briefing to Outline R500BN Economic Support Package 24 April 2020.

Figure 11: Regional Gross Domestic Product

Source: Quantec Research (2020)

Figure 12: Gauteng Industry Growth

Source: Quantec Research (2020)

At a sectoral level, on a quarter on quarter, basis mining and quarrying contracted the most in Gauteng. Key sectors such as construction, manufacturing, transport, and wholesale trade also contracted in the first quarter. Agriculture rebounded significantly in the same quarter. The biggest sectors (finance and government) expanded moderately indicating the recession in Gauteng. It, however, remains to be seen what the full impact of the COVID-19 lockdown will be on output. This picture remained unchanged on a year on year basis.

4.2 Labour market

Most provinces showed increases in the unemployment rate in the first quarter. The Northern Cape and the Western Cape showed the same unemployment rate. The unemployment rate declined in Mpumalanga which likely saw a moderate decline in its labour force due to out-migration. The increase in unemployment rates is well in line with the decline in the first-quarter regional gross domestic product in provinces.

Figure 13: Provincial Unemployment Rates

Source: Statistics South Africa (2020)

In Gauteng specifically, the increase in the unemployment rate was driven by a decline in the number of people employed, coupled with an increase in the labour force. However, both the labour absorption and participation rates increased in the first quarter which mitigated the increase in the unemployment rate. The situation remains severe with a 12 per cent increase in the unemployed population in the first quarter (on a year on year basis), resulting in an unemployment rate of 31.4 per cent.

Figure 14: Gauteng Labour Market

Source: Statistics South Africa (2020)

4.3 Consumer prices

The CPI at the provincial level mirrors that of the nation. As highlighted in Figure 15, the slowing of economic activity towards the end of the first quarter, and the beginning of the second quarter has resulted in very low inflation in all provinces. This low CPI is likely to continue as signalled by the significant reduction in the policy rate by the SARB as discussed above. The CPI in Gauteng was as low as 1.69 per cent in May. The easing of the lockdown, however, may see a moderate increase in CPI across all provinces as demand for goods and services improves.

Figure 15: Provincial Consumer Inflation

Source: Statistics South Africa (2020)

4.4 **Policy interventions**

To counter the impact of COVID-19 on Gauteng (both socially and economically) the provincial government focuses on six pillars: Comprehensive health response, Food security and social relief, State capacity and agility, Economic response, Social mobilisation and human solidarity, and Law enforcement and compliance with regulations.

These build on the national COVID-19 policy interventions. Succinctly, to combat this impact of COVID-19 the provincial government continues to strengthen infrastructure, improve procurement of medical supplies and protective equipment, increase hospital beds, and improve staffing in the provincial health system (public and private).

The province continues to implement provincial legs of the national R500 billion social and economic relief. Increases in the child support grant and other grants

will be implemented up to October 2020. Furthermore, the province continues to support the SMME debt relief program amongst other national economic relief measures.

Amid the COVID-19 pandemic, the greater Growing Gauteng Together 2030 plan of growing the economy, creating jobs, improving infrastructure, amongst others, remains relevant. However, a review of opportunities for high growth may be required.

5 Concluding Remarks

The full economic crisis caused by COVID-19 remains uncertain. This uncertainty is especially pronounced in South Africa which fully entered lockdown in the second quarter of 2020. However, as shown above, at a global level COVID-19 resulted in significant contractions in the worlds economies. Therefore, the expectation is no different in South Africa as indicated by the business cycle indicators above. Nationally and provincially what is critical is no longer how sharp the contraction will be, but how quickly the economy will recover. The speed of the recovery will become more evident in the third quarter data but is highly dependent on how well the world and country continue to manage the economic impact of COVID-19.

Selected Data

| \mathbf{A} | South African Economy | В |
|--------------|--------------------------|--------------|
| | A.1 Economic Growth | В |
| | A.2 Investment | С |
| | A.3 Labour Profile | С |
| | A.4 Consumer Price Index | D |
| | A.5 Business Confidence | Е |
| | A.6 Consumer Confidence | \mathbf{F} |
| | A.7 Retail Sales | \mathbf{G} |
| | A.8 Vehicle Sales | Η |
| | A.9 Commodity Prices | Ι |
| | A.10 Fuel Prices | J |
| | A.11 Exchange Rates | Κ |
| | A.12 Current Account | Κ |
| В | Provincial Economies | \mathbf{L} |
| | B.1 Economic Growth | \mathbf{L} |
| | B.2 Labour Profile | \mathbf{M} |
| | B.3 Consumer Confidence | Ν |
| | B.4 Consumer Price Index | Ν |

A South African Economy

A.1 Economic Growth

Panel A: Gross Domestic Product (%)

| Period | R million | Annualised Quarter on Quarter | Quarter on Quarter | Year on Year |
|---------|------------|----------------------------------|--------------------|--------------|
| 2016 Q1 | 3054386.12 | -0.25 | -0.98 | -0.74 |
| 2016 Q2 | 3078481.51 | 0.79 | 3.19 | 0.64 |
| 2016 Q3 | 3085352.41 | 0.22 | 0.90 | 0.87 |
| 2016 Q4 | 3087640.58 | 0.07 | 0.30 | 0.84 |
| 2017 Q1 | 3085654.82 | -0.06 | -0.26 | 1.02 |
| 2017 Q2 | 3108211.73 | 0.73 | 2.96 | 0.97 |
| 2017 Q3 | 3129728.19 | 0.69 | 2.80 | 1.44 |
| 2017 Q4 | 3156342.28 | 0.85 | 3.45 | 2.23 |
| 2018 Q1 | 3134781.13 | -0.68 | -2.70 | 1.59 |
| 2018 Q2 | 3130668.53 | -0.13 | -0.52 | 0.72 |
| 2018 Q3 | 3150985.23 | 0.65 | 2.62 | 0.68 |
| 2018 Q4 | 3161721.04 | 0.34 | 1.37 | 0.17 |
| 2019 Q1 | 3136301.99 | -0.80 | -3.18 | 0.05 |
| 2019 Q2 | 3161916.50 | 0.82 | 3.31 | 1.00 |
| 2019 Q3 | 3155289.79 | -0.21 | -0.84 | 0.14 |
| 2019 Q4 | 3143839.89 | -0.36 | -1.44 | -0.57 |
| 2020 Q1 | 3128058.24 | -0.50 | -1.99 | -0.26 |

Source: Statistics South Africa, 2020

| Sector | Measure | $2019~\mathrm{Q2}$ | 2019 Q3 | $2019~\mathrm{Q4}$ | $2020 \ Q1$ |
|--|-------------------------|--------------------|---------|--------------------|-------------|
| Agriculture, forestry and fishing | % Change | -1.25 | -1.14 | -1.95 | 6.33 |
| | % Change (Year on Year) | -0.75 | -4.99 | -8.59 | 1.78 |
| Mining and quarrying | % Change | 4.09 | -1.56 | 0.46 | -5.89 |
| 0 1 0 0 | % Change (Year on Year) | -2.11 | -1.36 | 0.05 | -3.12 |
| Manufacturing | % Change | 0.51 | -1.13 | -0.46 | -2.19 |
| 0 | % Change (Year on Year) | 1.12 | -1.81 | -3.34 | -3.25 |
| Electricity, gas and water | % Change | 0.80 | -1.24 | -1.02 | -1.44 |
| 57.0 | % Change (Year on Year) | -0.87 | -2.28 | -3.32 | -2.88 |
| Construction | % Change | -0.60 | -1.77 | -1.52 | -1.19 |
| | % Change (Year on Year) | -2.52 | -3.83 | -5.13 | -4.99 |
| Wholesale and retail trade, hotels and restaurants | % Change | 0.85 | 0.65 | -0.96 | -0.31 |
| | % Change (Year on Year) | 0.58 | 0.41 | -0.38 | 0.23 |
| Transport, storage and communication | % Change | -0.08 | -1.38 | -1.86 | 0.13 |
| . , 0 | % Change (Year on Year) | 2.32 | -0.73 | -4.37 | -3.16 |
| Finance, real estate and business services | % Change | 1.02 | 0.40 | 0.67 | 0.92 |
| | % Change (Year on Year) | 2.50 | 2.37 | 2.38 | 3.05 |
| General government services | % Change | 0.81 | 0.60 | -0.10 | 0.24 |
| - | % Change (Year on Year) | 1.77 | 1.89 | 1.95 | 1.56 |
| Personal services | % Change | 0.21 | 0.09 | 0.16 | 0.12 |
| | % Change (Year on Year) | 1.08 | 1.01 | 0.74 | 0.58 |

Panel B: Gross Domestic Product by Industry (%)

A.2 Investment

| Period | General Government | Public Corporations | Private Business | Total |
|---------|--------------------|---------------------|------------------|--------|
| 2016 Q1 | 27409 | 26310 | 97106 | 150824 |
| 2016 Q2 | 25751 | 30065 | 96188 | 152004 |
| 2016 Q3 | 24645 | 30312 | 97382 | 152338 |
| 2016 Q4 | 25245 | 29094 | 102605 | 156945 |
| 2017 Q1 | 25454 | 25408 | 99151 | 150012 |
| 2017 Q2 | 25575 | 27332 | 101855 | 154763 |
| 2017 Q3 | 26002 | 25252 | 103126 | 154381 |
| 2017 Q4 | 26233 | 24262 | 108864 | 159360 |
| 2018 Q1 | 25248 | 21742 | 103104 | 150094 |
| 2018 Q2 | 25012 | 23035 | 104156 | 152202 |
| 2018 Q3 | 24311 | 22714 | 106649 | 153674 |
| 2018 Q4 | 24130 | 21954 | 107558 | 153643 |
| 2019 Q1 | 24023 | 20856 | 100912 | 145791 |
| 2019 Q2 | 22971 | 22373 | 106129 | 151473 |
| 2019 Q3 | 21919 | 22646 | 110489 | 155055 |
| 2019 Q4 | 20967 | 22129 | 108512 | 151609 |

Panel C: Investment by Organisation Type (R million)

Source: South African Reserve Bank, 2020

A.3 Labour Profile

Panel D: Labour Profile

| Sector | Measure | $2019~\mathrm{Q2}$ | $2019~\mathrm{Q3}$ | $2019~\mathrm{Q4}$ | $2020 \ Q1$ |
|--|-------------------------|--------------------|--------------------|--------------------|-------------|
| Population Age 15-64 | Thousands | 38432.98 | 38582.25 | 38727.42 | 38873.94 |
| | % Change (Year on Year) | 1.59 | 1.57 | 1.56 | 1.54 |
| Labour force | Thousands | 22968.01 | 23108.72 | 23146.40 | 23452.20 |
| | % Change (Year on Year) | 2.67 | 2.30 | 2.11 | 4.27 |
| Employed | Thousands | 16312.71 | 16375.01 | 16420.27 | 16382.56 |
| | % Change (Year on Year) | 0.15 | -0.03 | -0.66 | 0.56 |
| Formal sector (non-agricultural) | Thousands | 11171.55 | 11214.13 | 11331.12 | 11281.53 |
| , | % Change (Year on Year) | -1.31 | -0.36 | -0.13 | 0.55 |
| Informal sector (non-agricultural) | Thousands | 3047.68 | 2995.00 | 2918.05 | 2920.60 |
| · · · · · · | % Change (Year on Year) | 7.75 | -0.72 | -2.78 | -0.43 |
| Industry Agriculture | Thousands | 842.06 | 879.69 | 885.21 | 864.70 |
| | % Change (Year on Year) | -0.17 | 4.46 | 4.23 | 3.28 |
| Industry Private households | Thousands | 1251.42 | 1286.19 | 1285.89 | 1315.73 |
| | % Change (Year on Year) | -3.46 | 1.54 | -3.45 | 1.16 |
| Unemployed | Thousands | 6655.30 | 6733.71 | 6726.13 | 7069.65 |
| | % Change (Year on Year) | 9.42 | 8.44 | 9.56 | 14.01 |
| Not economically active | Thousands | 15464.96 | 15473.54 | 15581.02 | 15421.74 |
| • | % Change (Year on Year) | 0.02 | 0.51 | 0.75 | -2.34 |
| Not economically active - Discouraged job seeker | Thousands | 2748.99 | 2792.62 | 2855.05 | 2918.03 |
| | % Change (Year on Year) | -4.02 | 2.18 | 0.50 | -2.65 |
| Unemployment rate | Percent | 29.00 | 29.10 | 29.10 | 30.10 |
| | % Change (Year on Year) | 6.62 | 5.82 | 7.38 | 9.06 |
| Employed / population ratio (Absorption) | Percent | 42.40 | 42.40 | 42.40 | 42.10 |
| | % Change (Year on Year) | -1.62 | -1.62 | -2.08 | -1.17 |

Panel E: Employment by Industry

| Sector | Measure | 2019 Q2 | 2019 Q3 | 2019 Q4 | 2020 Q1 |
|-------------------------------|-----------|---------|---------|---------|---------|
| Agriculture | Thousands | 842.06 | 879.69 | 885.21 | 864.70 |
| | % Change | 0.58 | 4.47 | 0.63 | -2.32 |
| Mining and quarrying | Thousands | 381.08 | 419.00 | 429.51 | 435.76 |
| | % Change | -8.72 | 9.95 | 2.51 | 1.46 |
| Manufacturing | Thousands | 1789.39 | 1759.89 | 1720.39 | 1705.84 |
| | % Change | 0.52 | -1.65 | -2.24 | -0.85 |
| Utilities | Thousands | 151.34 | 133.30 | 119.71 | 115.55 |
| | % Change | 0.93 | -11.92 | -10.19 | -3.48 |
| Construction | Thousands | 1362.76 | 1338.78 | 1350.42 | 1343.33 |
| | % Change | 1.80 | -1.76 | 0.87 | -0.53 |
| Trade | Thousands | 3428.62 | 3408.09 | 3249.34 | 3319.86 |
| | % Change | 2.51 | -0.60 | -4.66 | 2.17 |
| Transport | Thousands | 982.50 | 974.72 | 1011.20 | 994.51 |
| | % Change | -4.12 | -0.79 | 3.74 | -1.65 |
| Finance | Thousands | 2495.24 | 2491.68 | 2567.67 | 2517.21 |
| | % Change | -0.84 | -0.14 | 3.05 | -1.97 |
| Community and social services | Thousands | 3622.49 | 3678.98 | 3792.11 | 3758.89 |
| | % Change | 1.35 | 1.56 | 3.08 | -0.88 |
| Private households | Thousands | 1251.42 | 1286.19 | 1285.89 | 1315.73 |
| | % Change | -3.79 | 2.78 | -0.02 | 2.32 |

Source: Statistics South Africa, 2020

A.4 Consumer Price Index

| Panel F: Consumer Price Index (% |
|----------------------------------|
|----------------------------------|

| Period | All Items | Food and alcohol beverages | Electricity and Other Fuels | Water and Other Services | Transport |
|----------|-----------|-------------------------------|--------------------------------|-----------------------------|-----------|
| Jan 2016 | 6.20 | 7.37 | 10.99 | 9.86 | 5.30 |
| Feb 2016 | 6.94 | 9.47 | 11.26 | 9.86 | 8.50 |
| Mar 2016 | 6.53 | 10.56 | 11.12 | 9.86 | 4.52 |
| Apr 2016 | 6.46 | 12.25 | 11.12 | 9.86 | 2.64 |
| May 2016 | 6.56 | 11.96 | 11.12 | 9.86 | 3.05 |
| Jun 2016 | 6.53 | 11.95 | 11.12 | 9.86 | 3.32 |
| Jul 2016 | 6.47 | 12.66 | 7.53 | 8.11 | 2.98 |
| Aug 2016 | 6.25 | 12.67 | 7.53 | 8.11 | 1.98 |
| Sep 2016 | 6.47 | 12.77 | 7.53 | 8.11 | 3.27 |
| Oct 2016 | 6.77 | 12.80 | 7.53 | 8.11 | 4.10 |
| Nov 2016 | 6.87 | 12.47 | 7.53 | 8.11 | 6.02 |
| Dec 2016 | 7.07 | 12.74 | 7.64 | 8.11 | 5.49 |
| Jan 2017 | 6.79 | 12.51 | 7.64 | 8.11 | 6.40 |
| Feb 2017 | 6.49 | 10.49 | 7.64 | 8.11 | 6.79 |
| Mar 2017 | 6.13 | 9.02 | 7.64 | 8.76 | 7.48 |
| Apr 2017 | 5.25 | 6.65 | 7.64 | 8.76 | 4.52 |
| May 2017 | 5.34 | 6.95 | 7.64 | 8.76 | 5.11 |
| Jun 2017 | 5.01 | 6.74 | 7.64 | 8.97 | 3.12 |
| Jul 2017 | 4.36 | 6.39 | 2.10 | 7.00 | 1.00 |
| Aug 2017 | 4.56 | 5.21 | 2.20 | 7.10 | 3.78 |
| Sep 2017 | 4.86 | 5.00 | 2.20 | 7.20 | 5.52 |
| Oct 2017 | 4.63 | 4.86 | 2.20 | 7.20 | 5.05 |
| Nov 2017 | 4.42 | 4.74 | 2.20 | 7.30 | 4.18 |
| Dec 2017 | 4.50 | 4.30 | 2.10 | 7.30 | 6.40 |
| Jan 2018 | 4.27 | 3.84 | 2.20 | 7.30 | 4.54 |
| Feb 2018 | 3.83 | 3.33 | 2.20 | 7.40 | 3.52 |
| Mar 2018 | 3.72 | 2.82 | 2.10 | 6.76 | 3.04 |
| Apr 2018 | 4.30 | 3.31 | 3.00 | 7.16 | 5.11 |
| May 2018 | 4.29 | 2.72 | 3.10 | 7.16 | 5.05 |
| Jun 2018 | 4.38 | 2.91 | 3.00 | 7.04 | 7.21 |
| Jul 2018 | 5.05 | 3.00 | 7.75 | 11.03 | 9.78 |
| Aug 2018 | 4.85 | 3.21 | 7.74 | 11.02 | 9.24 |
| Sep 2018 | 4.83 | 3.50 | 7.64 | 10.91 | 8.71 |
| Oct 2018 | 5.00 | 3.09 | 7.74 | 10.91 | 10.57 |
| Nov 2018 | 5.10 | 3.08 | 7.74 | 10.90 | 10.61 |
| Dec 2018 | 4.40 | 2.68 | 7.74 | 10.90 | 6.02 |
| Jan 2019 | 3.91 | 2.94 | 7.53 | 10.90 | 3.21 |
| Feb 2019 | 4.07 | 2.94 | 7.53 | 10.80 | 3.78 |
| Mar 2019 | 4.53 | 3.22 | 7.64 | 10.89 | 6.47 |
| Apr 2019 | 4.40 | 3.02 | 6.80 | 10.58 | 7.39 |
| May 2019 | 4.39 | 3.49 | 6.69 | 10.85 | 7.12 |
| Jun 2019 | 4.47 | 3.77 | 6.80 | 10.75 | 5.73 |
| Jul 2019 | 3.97 | 3.48 | 10.37 | 6.99 | 3.15 |
| Aug 2019 | 4.35 | 4.14 | 11.55 | 7.06 | 3.42 |
| Sep 2019 | 4.14 | 4.13 | 11.65 | 7.15 | 2.58 |
| Oct 2019 | 3.67 | 3.75 | 11.64 | 7.15 | 0.52 |
| Nov 2019 | 3.57 | 3.73 | 11.64 | 7.06 | 0.09 |
| Dec 2019 | 4.03 | 4.01 | 11.64 | 7.14 | 3.28 |
| Jan 2020 | 4.40 | 3.78 | 11.74 | 7.14 | 6.22 |
| Feb 2020 | 4.55 | 4.14 | 11.74 | 7.23 | 5.92 |
| Mar 2020 | 4.06 | 4.13 | 11.65 | 7.30 | 3.31 |
| Apr 2020 | 2.87 | 4.30 | 11.18 | 7.21 | -3.14 |
| May 2020 | 2.06 | 4.20 | 11.36 | 6.95 | -7.69 |

A.5 Business Confidence

| Period | Index | Month to Month % Change | Annualised Month to Month % Change | Year to Year % Change |
|----------------------|--------------|----------------------------|---------------------------------------|-----------------------|
| Jan 2016 | 92.6 | 0.43 | -10.44 | 5.33 |
| Feb 2016 | 92.7 | 0.11 | -13.69 | 1.30 |
| Mar 2016 | 94.0 | 1.40 | -8.91 | 18.19 |
| Apr 2016 | 95.5 | 1.60 | -8.26 | 20.92 |
| May 2016 | 91.8 | -3.87 | -8.75 | -37.76 |
| Jun 2016 | 95.1 | 3.59 | -2.86 | 52.78 |
| Jul 2016 | 96.0 | 0.95 | -5.70 | 11.97 |
| Aug 2016 | 92.9 | -3.23 | -4.82 | -32.56 |
| Sep 2016 | 90.3 | -2.80 | -4 44 | -28.87 |
| Oct 2016 | 93.0 | 2.99 | -9.09 | 42.41 |
| Nov 2016 | 93.9 | 0.97 | -1.26 | 12.25 |
| Dec 2016 | 93.8 | -0.11 | 1 74 | -1.27 |
| Ian 2017 | 97.7 | 4.16 | 5 51 | 63.04 |
| Fab 2017 | 05.5 | 9.10 | 2.02 | 22.01 |
| Mar 2017 | 02.9 | -2.23 | 0.21 | -23.91 |
| Apr 2017 | 93.8 | -1.78 | -0.21 | -19.39 |
| Apr 2017 May 2017 | 02.0 | 1.17 | -0.03 | 10.50 |
| May 2017 | 93.2 | -1.79 | 1.55 | -19.50 |
| Jun 2017 | 94.9 | 1.82 | -0.21 | 24.22 |
| Jul 2017 | 95.3 | 0.42 | -0.73 | 5.18 |
| Aug 2017 | 89.6 | -5.98 | -3.55 | -52.29 |
| Sep 2017 | 93.0 | 3.79 | 2.99 | 56.35 |
| Oct 2017 | 92.9 | -0.11 | -0.11 | -1.28 |
| Nov 2017 | 95.1 | 2.37 | 1.28 | 32.43 |
| Dec 2017 | 96.4 | 1.37 | 2.77 | 17.70 |
| Jan 2018 | 99.7 | 3.42 | 2.05 | 49.77 |
| Feb 2018 | 98.9 | -0.80 | 3.56 | -9.22 |
| Mar 2018 | 97.6 | -1.31 | 4.05 | -14.68 |
| Apr 2018 | 96.0 | -1.64 | 1.16 | -17.99 |
| May 2018 | 94.0 | -2.08 | 0.86 | -22.33 |
| Jun 2018 | 93.7 | -0.32 | -1.26 | -3.76 |
| Jul 2018 | 94.7 | 1.07 | -0.63 | 13.59 |
| Aug 2018 | 90.5 | -4.44 | 1.00 | -41.98 |
| Sep 2018 | 93.3 | 3.09 | 0.32 | 44.14 |
| Oct 2018 | 95.8 | 2.68 | 3.12 | 37.34 |
| Nov 2018 | 96.1 | 0.31 | 1.05 | 3.82 |
| Dec 2018 | 95.2 | -0.94 | -1.24 | -10.68 |
| Jan 2019 | 95.1 | -0.11 | -4.61 | -1.25 |
| Feb 2019 | 93.4 | -1.79 | -5.56 | -19.46 |
| Mar 2019 | 91.8 | -1.71 | -5.94 | -18.73 |
| Apr 2019 | 93.7 | 2.07 | -2.40 | 27.87 |
| May 2019 | 93.0 | -0.75 | -1.06 | -8.61 |
| Jun 2019 | 93.3 | 0.32 | -0.43 | 3.94 |
| Jul 2019 | 92.0 | -1.39 | -2.85 | -15.50 |
| Aug 2019 | 89.1 | -3.15 | -1.55 | -31.91 |
| Sep 2019 | 92.4 | 3.70 | -0.96 | 54.71 |
| Oct 2019 | 91 7 | -0.76 | -4.28 | -8 72 |
| Nov 2019 | 92.7 | 1.09 | -3.54 | 13.90 |
| Dec 2019 | 93.1 | 0.43 | _9.04 | 5 30 |
| Ian 2020 | 02.2 | 0.45 | 3.05 | 11.00 |
| Fab 2020 | 92.2 | -0.97 | -3.05 | -11.00 |
| 100 2020 May 2020 | 94.1 80.0 | 0.04 | -0.75 | 0.71 |
| 10141 2020 | 09.9 | -3.02 | -2.07 | -30.79 |
| Apr 2020 | 77.8 | -13.40 | -10.97 | -82.35 |

Panel G: Business Confidence

Source: Bureau of Economic Research, 2020

A.6 Consumer Confidence

| Period | Index | Month to Month % Change | Annualised Month to Month % Change | Year to Year $\%$ Change |
|---------|-------|----------------------------|---------------------------------------|--------------------------|
| 2016 Q1 | -9 | -35.71 | -82.92 | 125.00 |
| 2016 Q2 | -11 | 22.22 | 123.15 | -26.67 |
| 2016 Q3 | -3 | -72.73 | -99.45 | -40.00 |
| 2016 Q4 | -10 | 233.33 | 12245.68 | -28.57 |
| 2017 Q1 | -5 | -50.00 | -93.75 | -44.44 |
| 2017 Q2 | -9 | 80.00 | 949.76 | -18.18 |
| 2017 Q3 | -9 | 0.00 | 0.00 | 200.00 |
| 2017 Q4 | -8 | -11.11 | -37.57 | -20.00 |
| 2018 Q1 | 26 | -425.00 | 11056.64 | -620.00 |
| 2018 Q2 | 22 | -15.38 | -48.74 | -344.44 |
| 2018 Q3 | 7 | -68.18 | -98.98 | -177.78 |
| 2018 Q4 | 7 | 0.00 | 0.00 | -187.50 |
| 2019 Q1 | 2 | -71.43 | -99.33 | -92.31 |
| 2019 Q2 | 5 | 150.00 | 3806.25 | -77.27 |
| 2019 Q3 | -7 | -240.00 | 284.16 | -200.00 |
| 2019 Q4 | -7 | 0.00 | 0.00 | -200.00 |
| 2020 Q1 | -9 | 28.57 | 173.26 | -550.00 |
| 2020 Q2 | -33 | 266.67 | 17975.31 | -760.00 |

Panel H: Consumer Confidence

Source: Bureau of Economic Research, 2020

A.7 Retail Sales

| Jan 201674674-0.16-1.944.32Fib 201674349-0.13-1.632.81Mar 201673364-1.32-1.4790.71May 2016752452.5635.504.67Jun 201674266-1.49-1.6.461.64Jul 2016745840.627.672.02Aug 2016743540.627.672.02Sep 2016740340.384.400.48Sep 2016740340.38-4.490.54Sep 201674968-0.38-4.490.54Dec 201674968-0.38-4.490.54Jan 2017749230.161.970.33Peb 2017747440.02-3.300.36Mar 201774690.444.361.57Jun 2017766510.444.531.57Jun 2017776650.111.355.43Oct 2017780530.111.355.43Oct 2017780530.111.355.43Oct 2017780530.111.355.43Oct 201778650.8410.525.15Ang 201877640.455.546.38Ap 201877640.455.546.38Ap 201877650.455.546.38Ap 201877640.461.925.15Ang 201877640.461.925.15Ap 201877640.451.4 | Period | R million | Month to Month % Change | Annualised Month to Month % Change | Year to Year % Change |
|---|----------|-----------|----------------------------|---------------------------------------|-----------------------|
| Feb 201674444 -0.31 -1.63 2.81 Mar 201673344 -1.32 -1.72 2.60 Apr 201673364 -1.32 -1.479 0.71 May 201674126 -1.49 $-1.6.46$ 1.64 Jul 201674126 -1.49 $-1.6.46$ 0.48 Sep 201673751 -1.12 $-1.2.61$ 0.48 Sep 201674034 0.38 4.70 1.24 Oct 201674988 -0.38 -4.49 0.54 Dec 201674801 1.13 1.438 0.01 Jan 201774923 0.16 1.97 0.33 Feb 201774714 -0.28 -3.30 0.36 Mar 201776997 1.82 24.100 3.73 May 201776997 1.82 24.100 3.73 Jun 201777066 0.34 4.16 3.46 Jun 201777066 0.44 5.36 1.57 Jun 201777065 0.45 5.54 6.38 Jau 201777965 0.45 5.54 6.38 Jau 20177906 0.45 5.54 6.38 Jau 201877913 -2.09 -2.2 | Jan 2016 | 74674 | -0.16 | -1.94 | 4.32 |
| Mar 201674349-0.13-1.522.60Apr 201675364-1.32-14.790.71May 2016752452.5635.504.67Jun 2016745840.627.672.02Ang 2016745840.627.672.02Ang 2016740340.384.701.24Sep 2016740340.384.490.54Sep 201673968-0.38-4.490.54Dec 201673968-0.38-4.490.54Dec 201673968-0.38-4.490.54Jan 2017749230.161.970.33Apr 2017747400.030.420.53Apr 2017760971.8224.103.73May 2017766910.344.193.46Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 2017790560.441.663.69Jan 201877913-2.09-2.2393.99Peb 201878550.8410.525.15Mar 201878600.141.623.16Jan 201877956-1.23-1.3822.03Mar 201878610.766.431.92Jan 201877956-1.23-1.3822.03Mar 201878600.141.663.09Jan 201877956-1. | Feb 2016 | 74444 | -0.31 | -3.63 | 2.81 |
| Apr 201673364-1.32-14.790.71May 2016752452.5635.504.67Jul 201674126-1.49-16.461.64Jul 2016745840.627.672.02Aug 201673751-1.12-12.610.48Sep 2016740340.384.701.24Oct 2016742520.293.590.88Nov 201673968-0.38-4.490.54Dec 2016748011.1314.380.01Jan 20177474230.161.970.33Feb 201774744-0.28-3.300.36Apr 2017760971.8224.103.73Jun 2017760910.344.193.46Jul 2017760910.344.193.46Jul 201776960.141.662.97Aug 201779960.141.662.97Aug 201779960.1519.707.10Nov 201779960.5119.707.10Nov 2017799760.455.546.38Jan 201877913-2.09-22.393.99Sep 201878650.8410.525.15Mar 201878650.435.251.54Apr 201878650.435.251.54Apr 20187899-0.23-2.681.20Nov 20187895-1.39-15.461.31Jul 20187898-0.23 | Mar 2016 | 74349 | -0.13 | -1.52 | 2.60 |
| $M_{sy} 2016$ 752452.5635.504.67 $Jun 2016$ 74126-1.49-16.461.64 $Jul 2016$ 745840.627.672.02 $Ang 2016$ 740340.384.701.24 $Sep 2016$ 740340.384.701.24 $Oct 2016$ 749520.293.590.88Nov 201673968-0.38-4.490.54Dec 2016749230.161.970.33Dar 2017747400.030.420.53Mar 2017760971.8224.103.73May 2017766910.344.193.46Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 2017780530.111.355.43Jan 2018779650.441.662.97Nav 2017795760.455.546.38Jan 201877933-2.09-2.2393.99Sep 2017785650.8410.525.18Nav 201877935-1.23-13.822.03Mar 2018779691.4819.263.09Jun 2018778901.4819.263.09Jun 201877895-1.23-2.481.24Jun 201877895-1.39-15.461.31Jun 201877895-1.39-15.461.31Jun 2018< | Apr 2016 | 73364 | -1.32 | -14.79 | 0.71 |
| Jul 2016 74126 -1.4.9 -16.46 1.64 Jul 2016 7454 0.62 7.67 2.02 Ang 2016 73751 -1.12 -12.61 0.48 Sep 2016 74034 0.38 4.70 1.24 Oct 2016 74552 0.29 3.59 0.88 Nov 2016 74903 0.16 1.97 0.33 Feb 2017 74714 -0.28 -3.30 0.36 Mar 2017 74740 0.03 0.42 0.53 Apr 2017 76697 1.82 24.10 3.73 May 2017 766429 0.44 4.19 3.46 Jul 2017 76796 0.14 1.66 2.97 Aug 2017 78643 0.11 1.35 5.43 Oct 2017 78053 0.11 1.9.70 7.10 Dec 2017 7876 0.45 5.54 6.38 Oct 2017 7861 0.46 1.62 3.09 Feb | May 2016 | 75245 | 2.56 | 35.50 | 4.67 |
| Jul 2016745840.62 7.6^7 2.02Ang 201673751-1.12-12.610.48Sep 2016740340.384.701.24Oct 201673968-0.38-4.490.54Dec 201673968-0.38-4.490.33Jan 2017749230.161.970.33Feb 201774714-0.28-3.300.36Mar 2017760071.8224.103.73May 2017760600.445.361.57Jun 2017767660.141.662.97Aug 2017778661.521.9.895.72Sep 2017780530.111.355.43Oct 2017786510.445.546.38Oct 2017786510.455.546.38Oct 2017786510.455.546.38Oct 2017795760.455.546.38Apr 201877695-1.39-12.663.09Feb 201877695-1.39-15.461.31Out 8805411.069.095.18Apr 20187866-0.435.251.54Apr 20187866-0.23-2.661.30Jun 20187866-0.334.031.52Apr 20187959-1.39-1.5461.31Jun 20187866-0.23-2.661.20Oct 20187956-0.25-2.920.98Jun 20197966- | Jun 2016 | 74126 | -1.49 | -16.46 | 1.64 |
| Ang 201673751-1.12-1.2610.48Sep 2016740340.384.701.24Oct 2016742520.293.590.88Nov 201673968-0.384.490.54Dec 2016748011.1314.380.01Jan 201774714-0.28-3.300.36Mar 2017747400.030.420.53Apr 2017760971.8224.103.73Jun 2017766910.344.193.46Jul 2017767660.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 2017780560.441.662.97Aug 2017780530.111.355.43Oct 2017780550.8410.525.15Mar 2018786550.8410.525.15Apr 2018786550.8410.525.18Apr 201877695-1.39-1.5461.31Jul 2018788311.4619.032.65Apr 2018786610.708.701.92Aug 201878662-0.23-2.681.20Oct 20187956-0.25-2.920.93Jul 201878663-0.777.072.99Jul 201878663-0.777.072.99Jul 201979660.577.072.90Agr 201979660.66 | Jul 2016 | 74584 | 0.62 | 7.67 | 2.02 |
| Sep 2016740340.384.701.24Oct 2016742520.293.500.88Nov 201673968-0.38-4.490.54Dec 2016748011.1314.380.01Jan 2017749230.161.970.33Mar 201774740-0.28-3.300.36Mar 2017760071.8224.103.73May 2017760660.445.361.57Jun 20177666610.344.193.46Jul 2017767660.141.662.97Aug 2017778661.521.9.895.72Sep 2017780530.111.355.43Oct 2017795660.445.365.10Nov 2017792191.511.9.707.10Dec 2017795760.455.546.38Jan 201877613-2.09-22.393.99Feb 2018786550.8410.525.18Apz 20187765-1.39-1.5461.31Jul 201877695-1.39-1.5461.31Jul 2018788610.435.251.54Aug 20187956-0.23-2.661.20Oct 20187956-0.23-2.661.20Oct 201879660.334.031.52Aug 201879680.435.251.54Oct 201879690.668.231.34Oct 201879640.70< | Aug 2016 | 73751 | -1.12 | -12.61 | 0.48 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Sep 2016 | 74034 | 0.38 | 4.70 | 1.24 |
| Nov 201673968-0.38-4.490.54Dec 2016748011.1314.380.01Jan 2017749230.161.970.33Feb 201774714-0.28-3.300.36Mar 2017747400.030.420.53Apr 2017760971.8224.103.73May 2017766910.344.193.46Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 2017780510.1410.625.16Nov 2017792191.5119.707.10Dec 201778650.8410.525.15Mar 201877642-1.23-13.822.03May 201877655-1.39-15.461.31Jul 201877642-1.23-13.822.03May 201877642-1.23-13.822.03May 201877642-1.23-13.822.03May 201877642-1.23-13.822.03May 201877645-0.33-4.641.31Jul 201877695-1.39-15.461.31Jul 201877856-0.23-2.681.20Oct 201878836-2.12-2.264-0.93Jan 201979660.334.031.52Nov 2018805411.261.6191.67Dec 2018 <td< td=""><td>Oct 2016</td><td>74252</td><td>0.29</td><td>3.59</td><td>0.88</td></td<> | Oct 2016 | 74252 | 0.29 | 3.59 | 0.88 |
| Dec 2016748011.1314.380.01Jan 2017749230.161.970.33Feb 201774714-0.28-3.300.36Mar 2017760971.8224.103.73May 2017766910.445.361.57Jun 2017766910.444.193.46Jul 2017767960.141.662.97Ang 2017779661.5219.895.72Sep 2017780310.111.355.43Oct 2017792191.5119.707.10Dec 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 2018785650.8410.525.15Mar 201877642-1.23-13.822.03May 201877805-1.4819.263.09Jun 201877695-1.39-15.461.31Jul 201877895-1.39-15.461.31Jul 201878836-0.23-2.681.20Oct 201878836-2.12-2.64-0.93Jan 201979660.334.031.52Feb 201878836-2.17-14.23-1.33Jul 20197965-1.39-15.461.31Jul 201878836-2.12-2.64-0.93Jan 201979640.708.701.92Nov 201878836-2.12-2.64-0.93Jan 20197 | Nov 2016 | 73968 | -0.38 | -4.49 | 0.54 |
| Jan 2017749230.161.970.33Feb 201774714-0.28-3.300.36Mar 2017747400.030.420.53Apr 2017760971.8224.103.73Jun 2017760910.344.193.46Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 2017780530.111.955.43Oct 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 201878650.8410.525.15Mar 2018786100.060.695.18Apr 201877695-1.39-15.461.31Jun 201877895-1.39-15.461.31Jun 201878809-0.23-2.681.20Oct 20187895-1.39-15.461.31Jul 20187896-0.23-2.681.20Oct 201878836-2.12-22.64-0.93Jan 201979060.334.031.52Nov 201878856-0.25-2.990.08Jun 20197965-0.25-2.920.08Jun 201979660.334.031.52Nov 201878836-2.12-22.64-0.93Jan 201979650.25-2.990.06Jun 20197966< | Dec 2016 | 74801 | 1.13 | 14.38 | 0.01 |
| Feb 201774714-0.28-3.300.36Mar 2017747400.030.420.53May 2017760971.8224.103.73May 2017766910.344.193.46Jul 2017766960.141.662.97Aug 2017779661.5219.895.72Sep 201778041-0.02-0.185.10Nov 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 201878650.8410.525.15Mar 201878650.8410.523.09Jun 201877695-1.33-13.822.03May 2018787901.4819.263.09Jun 201877695-1.39-15.461.31Jul 201877895-1.39-15.461.31Jul 201877895-1.39-15.461.31Jul 2018778831.4619.032.65Aug 20187956-0.23-2.681.20Oct 201878860-2.12-22.64-0.93Jan 2019790600.334.031.52Nov 2018805411.261.6191.67Dec 201878860-2.12-22.64-0.93Jan 201979655-0.25-2.920.98Jun 201979655-0.25-2.920.98Jun 201979655-0.25-2.920.98Jun 2019 <t< td=""><td>Jan 2017</td><td>74923</td><td>0.16</td><td>1.97</td><td>0.33</td></t<> | Jan 2017 | 74923 | 0.16 | 1.97 | 0.33 |
| Mar 2017747400.630.420.53Apr 2017760971.8224.103.73May 2017764290.445.361.57Jun 2017766910.344.193.46Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 201778041-0.02-0.185.10Nov 2017792191.5119.707.10De 2017785650.8410.525.15Mar 201877642-1.23-1.3822.03May 201877695-1.39-15.661.31Jun 201877695-1.39-15.461.31Jul 201877695-1.23-2.681.20Oct 2018788311.4619.032.65Aug 201877695-1.39-15.461.31Jul 201877695-1.23-2.681.20Oct 201878989-0.23-2.681.20Oct 201878986-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 20197965-0.25-2.920.98Jun 201878836-2.12-22.64-0.93Jan 2019790660.334.031.52Feb 201979866-0.25-2.920.98Jun 2019790660.32-2.681.34Mar 2019 <td< td=""><td>Feb 2017</td><td>74714</td><td>-0.28</td><td>-3.30</td><td>0.36</td></td<> | Feb 2017 | 74714 | -0.28 | -3.30 | 0.36 |
| Apr 2017760971.8224.103.73May 2017764290.445.361.57Jun 2017766910.344.193.46Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 201778041-0.02-0.185.10Nov 2017792191.5119.707.10Dec 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 2018786100.060.695.18Apr 201877655-1.32-13.822.03May 2018787901.4819.263.09Jun 201877851-1.39-15.461.31Jul 20187788311.4619.032.65Aug 2018791680.435.251.54Aug 201878860-0.23-2.681.20Oct 201878836-2.12-2.64-0.93Jan 201979060.334.031.52Peb 201878836-2.12-2.64-0.93Jan 20197965-0.25-2.920.98Jun 201979660.777.072.99Jul 20197965-0.25-2.920.98Jun 20197965-0.25-2.920.98Jun 20197965-0.25-2.920.98Jun 20197965-0.25-2.920.98Jun 20197965 | Mar 2017 | 74740 | 0.03 | 0.42 | 0.53 |
| M_{ay} 2017764290.445.361.57Jun 2017766910.344.193.46Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 201778014-0.02-0.185.10Nov 2017792191.5119.707.10Dec 2017785650.455.546.38Jan 201877913-2.09-22.393.99Feb 2018785650.8410.525.15Mar 201877642-1.23-1.3822.03May 201877695-1.39-15.461.31Jul 201877695-1.39-15.461.31Jul 201877898-0.23-2.681.20Oct 2018795400.708.701.92Ova 201878898-0.23-2.64-0.93Jan 2019796960.334.031.52Feb 2019766190.668.231.34Mar 201978607-1.27-14.23-0.00Apr 20197965-0.25-2.920.98Jun 201878836-2.12-22.64-0.93Jan 20197965-0.25-2.920.98Jan 20197965-0.25-2.920.98Jun 201978607-1.4719.132.73May 20197965-0.25-2.920.98Jun 2019 | Apr 2017 | 76097 | 1.82 | 24.10 | 3.73 |
| Jun 2017 76691 0.34 4.19 3.46 Jul 2017 76796 0.14 1.66 2.97 Aug 2017 77966 1.52 19.89 5.72 Sep 2017 78053 0.11 1.35 5.43 Oct 2017 78041 -0.02 -0.18 5.10 Nov 2017 79219 1.51 19.70 7.10 Dec 2017 79576 0.45 5.54 6.38 Jan 2018 77913 -2.09 -22.39 3.99 Feb 2018 78660 0.66 0.69 5.18 Mar 2018 77642 -1.33 -13.82 2.03 May 2018 77695 -1.39 -15.46 1.31 Jul 2018 77695 -1.39 -15.46 1.31 Jul 2018 78980 -0.23 -2.68 1.20 Oct 2018 79540 0.70 8.70 1.92 Nov 2018 80541 1.26 16.19 1.67 | May 2017 | 76429 | 0.44 | 5.36 | 1.57 |
| Jul 2017767960.141.662.97Aug 2017779661.5219.895.72Sep 2017780530.111.355.43Oct 201778041-0.02-0.185.10Nov 2017792191.5119.707.10Dec 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 201878650.8410.525.15Mar 2018786100.060.695.18Apr 201877642-1.23-13.822.03May 2018787901.4819.263.09Jul 201877895-1.39-15.461.31Jul 201877895-1.39-15.461.31Jul 2018788311.4619.032.65Aug 2018791680.435.251.54Sep 201878836-2.12-2.2.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201978607-1.27-14.23-0.00Apr 20197965-0.25-2.920.98Jun 2019801550.172.061.68Aug 201979660.121.450.54Nov 2019798720.647.921.12Oct 2019798720.647.921.12Oct 2019798720.647.921.12Oct 201979868 | Jun 2017 | 76691 | 0.34 | 4.19 | 3.46 |
| Aug 2017770661.5219.895.72Sep 2017780330.111.355.43Oct 201778041-0.02-0.185.10Nov 2017792191.5119.707.10Dec 20177925760.455.546.38Jan 201877913-2.09-22.393.99Feb 2018785650.8410.525.15Mar 201877642-1.23-13.822.03May 201877655-1.39-15.461.31Jul 201877855-1.39-15.461.31Jul 2018788311.4619.032.65Oct 2018795400.708.701.92Nov 2018805411.2616.191.67Dec 201878866-2.12-22.64-0.93Jan 2019790660.334.031.52Feb 20197965-0.25-2.920.98Jun 201979660.668.231.34Mar 20197965-0.25-2.920.98Jun 201979660.172.061.68Jun 201979660.172.061.68Jun 2019798680.121.450.54Nov 2019815171.9425.891.21Dec 2019799720.647.921.12Dec 2019799720.647.921.12Dec 201979724-2.57-26.820.74Jan 202079771 | Jul 2017 | 76796 | 0.14 | 1.66 | 2.97 |
| Sep 2017780530.111.355.43Oct 201778041-0.02-0.185.10Nov 2017792191.5119.707.10Dec 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 2018785650.8410.525.15Mar 2018786100.060.695.18Apr 201877642-1.23-13.822.03May 201877695-1.39-15.461.31Jul 2018778901.4819.263.09Jun 201877695-1.39-15.461.31Jul 2018788311.4619.032.65Aug 201879680.435.251.54Sep 2018788600.708.701.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790610.668.231.34Mar 201978607-1.27-14.23-0.00Apr 201979655-0.25-2.920.98Jun 2019800190.577.072.99Jun 201980190.577.072.99Jun 201980190.577.072.99Jun 201979366-0.98-11.190.25Sep 201979366-0.98-11.190.25Sep 201979680.121.450.54Nov 201981517< | Aug 2017 | 77966 | 1.52 | 19.89 | 5.72 |
| Oct 201778041-0.02-0.185.10Nov 2017792191.5119.707.10Dec 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 2018786550.8410.525.15Mar 2018786100.060.695.18Apr 201877642-1.23-13.822.03May 201877695-1.39-15.461.31Jul 201877695-1.39-2.681.20Oct 2018795400.708.701.92Nov 201878890-0.23-2.681.20Oct 2018795400.708.701.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 20197965-0.25-2.920.98Jun 2019800190.577.072.99Jun 2019801550.172.061.68Aug 201979366-0.98-11.190.25Sep 2019793660.121.450.54Nov 2019815171.9425.891.21Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Dec 2019799710.698.601.11Feb 202079729 </td <td>Sep 2017</td> <td>78053</td> <td>0.11</td> <td>1.35</td> <td>5.43</td> | Sep 2017 | 78053 | 0.11 | 1.35 | 5.43 |
| Nov 2017 79219 1.51 19.70 7.10 Dec 2017 79576 0.45 5.54 6.38 Jan 2018 77913 -2.09 -22.39 3.99 Feb 2018 78565 0.84 10.52 5.15 Mar 2018 78610 0.66 0.69 5.18 Apr 2018 77642 -1.23 -13.82 2.03 May 2018 78790 1.48 19.26 3.09 Jun 2018 77695 -1.39 -15.46 1.31 Jul 2018 78831 1.46 19.03 2.65 Aug 2018 79168 0.43 5.25 1.54 Sep 2018 78899 -0.23 -2.68 1.20 Oct 2018 79540 0.70 8.70 1.92 Nov 2018 80541 1.26 16.19 1.67 Dec 2018 78836 -2.12 -22.64 -0.93 Jan 2019 79619 0.66 8.23 1.34 | Oct 2017 | 78041 | -0.02 | -0.18 | 5.10 |
| Dec 2017795760.455.546.38Jan 201877913-2.09-22.393.99Feb 2018785650.8410.525.15Mar 2018786100.060.695.18Apr 201877642-1.23-13.822.03May 2018787901.4819.263.09Jun 201877695-1.39-15.461.31Jul 2018788311.4619.032.65Aug 2018791680.435.251.54Sep 201878989-0.23-2.681.20Oct 2018795400.708.701.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201978607-1.27-14.23-0.00Apr 201979655-0.25-2.920.98Jun 2019801550.172.061.68Aug 201979366-0.98-11.190.25Sep 2019798680.121.450.54Nov 2019815171.9425.891.21Dec 2019799710.698.601.11Feb 202079710.698.601.11Feb 20207972-0.30-3.570.14 | Nov 2017 | 79219 | 1.51 | 19.70 | 7.10 |
| Jan 2018 77913 -2.09 -22.39 3.99 Feb 2018 78565 0.84 10.52 5.15 Mar 2018 78610 0.06 0.69 5.18 Apr 2018 77642 -1.23 -13.82 2.03 May 2018 78790 1.48 19.26 3.09 Jun 2018 77695 -1.39 -15.46 1.31 Jul 2018 78831 1.46 19.03 2.65 Aug 2018 79168 0.43 5.25 1.54 Sep 2018 79849 -0.23 -2.68 1.20 Oct 2018 79540 0.70 8.70 1.92 Nov 2018 80541 1.26 16.19 1.67 Dec 2018 78836 -2.12 -22.64 -0.93 Jan 2019 79065 -0.25 -2.92 0.98 Jun 2019 79655 -0.25 -2.92 0.98 Jun 2019 80155 0.17 2.06 1.68 | Dec 2017 | 79576 | 0.45 | 5 54 | 6.38 |
| Feb 201878565 0.84 10.52 5.15 Mar 201878610 0.06 0.69 5.18 Mar 201877642 -1.23 -13.82 2.03 May 201878790 1.48 19.26 3.09 Jun 201877695 -1.39 -15.46 1.31 Jul 201878831 1.46 19.03 2.65 Aug 201879168 0.43 5.25 1.54 Sep 201878899 -0.23 -2.68 1.20 Oct 201879540 0.70 8.70 1.92 Nov 201880541 1.26 16.19 1.67 Dec 201878836 -2.12 -22.64 -0.93 Jan 201979096 0.33 4.03 1.52 Feb 201979619 0.66 8.23 1.34 Mar 201978607 -1.27 -14.23 -0.00 Apr 201979655 -0.25 -2.92 0.98 Jun 201980019 0.57 7.07 2.99 Jul 201980155 0.17 2.06 1.68 Aug 201979366 -0.98 -11.19 0.25 Sep 201979968 0.12 1.45 0.54 Nov 201981517 1.94 25.89 1.21 Oct 201979971 0.69 8.60 1.11 Feb 20207971 0.69 8.60 1.11 Feb 202079729 -0.30 -3.57 0.14 Mar 202081574 2.31 | Jan 2018 | 77913 | -2.09 | -22.39 | 3.99 |
| Mar 2018786100.060.695.18Apr 201877642-1.23-13.822.03May 201877695-1.39-15.461.31Jul 201877695-1.39-15.461.31Jul 2018778901.4819.032.65Aug 2018791680.435.251.54Sep 201878989-0.23-2.681.20Oct 2018795400.708.701.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201979655-0.25-2.920.98Jun 2019796550.172.061.68Aug 201979366-0.98-11.190.25Sep 2019798720.647.921.12Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Oct 2019799423-2.57-2.6820.74Jan 202079710.698.601.11Feb 202079729-0.30-3.570.14Mar 2020815742.3131.593.77 | Feb 2018 | 78565 | 0.84 | 10.52 | 5 15 |
| Apr 201877642-1.23-13.822.03May 2018787901.4819.263.09Jun 201877695-1.39-15.461.31Jul 2018788311.4619.032.65Aug 2018791680.435.251.54Sep 201879899-0.23-2.681.20Oct 2018795400.708.701.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201978607-1.27-14.23-0.00Apr 20197955-0.25-2.920.98Jun 2019800190.577.072.99Jul 2019801550.172.061.68Aug 201979866-0.98-11.190.25Sep 2019798720.647.921.12Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Dec 201979423-2.57-26.820.74Jan 2020799710.698.601.11Feb 202079972-0.30-3.570.14Mar 2020815742.3131.593.77 | Mar 2018 | 78610 | 0.06 | 0.69 | 5.18 |
| Input 201817001.4819.263.09Jun 201877695-1.39-15.461.31Jul 2018788311.4619.032.65Aug 2018791680.435.251.54Sep 2018795400.70 8.70 1.92Oct 2018795400.70 8.70 1.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201978607-1.27-14.23-0.00Apr 201979565-0.25-2.920.98Jun 2019800190.577.072.99Jul 2019801550.172.061.68Aug 201979366-0.98-11.190.25Sep 2019798720.647.921.12Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Dec 201979423-2.57-26.820.74Jan 202079710.698.601.11Feb 202079729-0.30-3.570.14Mar 2020815742.3131.593.77 | Apr 2018 | 77642 | -1 23 | -13.82 | 2.03 |
| Jun 20187695-1.39-15.461.31Jul 2018788311.4619.032.65Aug 2018791680.435.251.54Sep 201878989-0.23-2.681.20Oct 2018795400.70 8.70 1.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.66 8.23 1.34Mar 201978607-1.27-14.23-0.00Apr 20197955-0.25-2.920.98Jun 2019800190.577.072.99Jul 2019801550.172.061.68Aug 201979366-0.98-11.190.25Sep 20197998720.647.921.12Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Dec 2019799423-2.57-26.820.74Jan 2020799710.698.601.11Feb 202079729-0.30-3.570.14Mar 2020815742.3131.593.77 | May 2018 | 78790 | 1.48 | 19.26 | 3.09 |
| Jul 2018788311.4619.032.65Aug 2018791680.435.251.54Sep 201878989-0.23-2.681.20Oct 2018795400.708.701.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201978607-1.27-14.23-0.00Apr 20197955-0.25-2.920.98Jun 2019800190.577.072.99Jul 2019801550.172.061.68Aug 201979866-0.98-11.190.25Sep 2019798720.647.921.12Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Dec 2019799710.698.601.11Feb 2020797910.698.601.11Feb 202079729-0.30-3.570.14 | Jun 2018 | 77695 | -1.39 | -15.46 | 1.31 |
| Aug 201879168 0.43 5.25 1.54 Sep 201878989 -0.23 -2.68 1.20 Oct 201879540 0.70 8.70 1.92 Nov 201880541 1.26 16.19 1.67 Dec 201878836 -2.12 -22.64 -0.93 Jan 201979096 0.33 4.03 1.52 Feb 201979619 0.66 8.23 1.34 Mar 201978607 -1.27 -14.23 -0.00 Apr 201979555 -0.25 -2.92 0.98 Jun 201990565 0.17 2.06 1.68 Aug 201979366 -0.98 -11.19 0.25 Sep 201979986 0.12 1.45 0.54 Nov 201981517 1.94 25.89 1.21 Oct 201979971 0.69 8.60 1.11 Feb 202079729 -0.30 -3.57 0.14 | Jul 2018 | 78831 | 1.46 | 19.03 | 2.65 |
| Sep 201878989 -0.23 -2.68 1.20 Oct 201879540 0.70 8.70 1.92 Nov 201880541 1.26 16.19 1.67 Dec 201878836 -2.12 -22.64 -0.93 Jan 201979096 0.33 4.03 1.52 Feb 201979619 0.66 8.23 1.34 Mar 201978607 -1.27 -14.23 -0.00 Apr 201979762 1.47 19.13 2.73 May 201979555 -0.25 -2.92 0.98 Jun 201980019 0.57 7.07 2.99 Jul 201980155 0.17 2.06 1.68 Aug 201979366 -0.98 -11.19 0.25 Sep 2019799423 -2.57 -2.682 0.74 Nov 201981517 1.94 25.89 1.21 Dec 2019799423 -2.57 -26.82 0.74 Jan 202079971 0.69 8.60 1.11 Feb 202079729 -0.30 -3.57 0.14 Mar 202081574 2.31 31.59 3.77 | Aug 2018 | 79168 | 0.43 | 5.25 | 1.54 |
| Oct 2018795400.708.701.92Nov 2018805411.2616.191.67Dec 201878836-2.12-22.64-0.93Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201978607-1.27-14.23-0.00Apr 20197955-0.25-2.920.98Jun 2019800190.577.072.99Jul 2019801550.172.061.68Aug 201979866-0.98-11.190.25Sep 2019798720.647.921.12Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Dec 2019799710.698.601.11Feb 202079729-0.30-3.570.14Mar 2020815742.3131.593.77 | Sep 2018 | 78989 | -0.23 | -2.68 | 1.20 |
| Nov 2018 80541 1.26 16.19 1.67 Dec 201878836 -2.12 -22.64 -0.93 Jan 201979096 0.33 4.03 1.52 Feb 201979619 0.66 8.23 1.34 Mar 201978607 -1.27 -14.23 -0.00 Apr 201979762 1.47 19.13 2.73 May 201979565 -0.25 -2.92 0.98 Jun 201980019 0.57 7.07 2.99 Jul 201980155 0.17 2.06 1.68 Aug 201979866 -0.98 -11.19 0.25 Sep 201979872 0.64 7.92 1.12 Oct 201979968 0.12 1.45 0.54 Nov 201981517 1.94 25.89 1.21 Dec 201979971 0.69 8.60 1.11 Feb 202079971 0.69 8.60 1.11 Mar 202081574 2.31 31.59 3.77 | Oct 2018 | 79540 | 0.70 | 8.70 | 1.92 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Nov 2018 | 80541 | 1.26 | 16.19 | 1.67 |
| Jan 2019790960.334.031.52Feb 2019796190.668.231.34Mar 201978607 -1.27 -14.23 -0.00 Apr 2019797621.4719.132.73May 201979565 -0.25 -2.92 0.98Jun 2019800190.577.072.99Jul 2019801550.172.061.68Aug 201979366 -0.98 -11.19 0.25Sep 2019798720.647.921.12Oct 2019799680.121.450.54Nov 2019815171.9425.891.21Dec 2019799710.698.601.11Feb 202079793 -0.30 -3.57 0.14Mar 2020815742.3131.593.77 | Dec 2018 | 78836 | -2.12 | -22.64 | -0.93 |
| Feb 2019796190.668.231.34Mar 201978607 -1.27 -14.23 -0.00 Apr 201979762 1.47 19.13 2.73 May 201979565 -0.25 -2.92 0.98 Jun 201980019 0.57 7.07 2.99 Jul 201980155 0.17 2.06 1.68 Aug 201979866 -0.98 -11.19 0.25 Sep 201979872 0.64 7.92 1.12 Oct 201979968 0.12 1.45 0.54 Nov 201981517 1.94 25.89 1.21 Dec 201979971 0.69 8.60 1.11 Feb 202079793 -0.30 -3.57 0.14 Mar 202081574 2.31 31.59 3.77 | Jan 2019 | 79096 | 0.33 | 4.03 | 1.52 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Feb 2019 | 79619 | 0.66 | 8.23 | 1.34 |
| Apr 2019797621.4719.132.73May 201979565 -0.25 -2.92 0.98 Jun 201980019 0.57 7.07 2.99 Jul 201980155 0.17 2.06 1.68 Aug 201979366 -0.98 -11.19 0.25 Sep 201979872 0.64 7.92 1.12 Oct 201979968 0.12 1.45 0.54 Nov 201981517 1.94 25.89 1.21 Dec 201979971 0.69 8.60 1.11 Feb 202079793 -0.30 -3.57 0.14 Mar 202081574 2.31 31.59 3.77 | Mar 2019 | 78607 | -1.27 | -14.23 | -0.00 |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | Apr 2019 | 79762 | 1.47 | 19.13 | 2.73 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | May 2019 | 79565 | -0.25 | -2.92 | 0.98 |
| Jul 201980155 0.17 2.06 1.68 Aug 201979366 -0.98 -11.19 0.25 Sep 201979872 0.64 7.92 1.12 Oct 201979968 0.12 1.45 0.54 Nov 201981517 1.94 25.89 1.21 Dec 201979423 -2.57 -26.82 0.74 Jan 202079971 0.69 8.60 1.11 Feb 202079729 -0.30 -3.57 0.14 Mar 202081574 2.31 31.59 3.77 | Jun 2019 | 80019 | 0.57 | 7.07 | 2.99 |
| Aug 201979366 -0.98 -11.19 0.25 Sep 201979872 0.64 7.92 1.12 Oct 201979968 0.12 1.45 0.54 Nov 2019 81517 1.94 25.89 1.21 Dec 201979423 -2.57 -26.82 0.74 Jan 202079971 0.69 8.60 1.11 Feb 202079729 -0.30 -3.57 0.14 Mar 2020 81574 2.31 31.59 3.77 | Jul 2019 | 80155 | 0.17 | 2.06 | 1.68 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Aug 2019 | 79366 | -0.98 | -11.19 | 0.25 |
| Oct 201979968 0.12 1.45 0.54 Nov 2019 81517 1.94 25.89 1.21 Dec 2019 79423 -2.57 -26.82 0.74 Jan 2020 79971 0.69 8.60 1.11 Feb 2020 79729 -0.30 -3.57 0.14 Mar 2020 81574 2.31 31.59 3.77 | Sep 2019 | 79872 | 0.64 | 7.92 | 1.12 |
| Nov 2019 81517 1.94 25.89 1.21 Dec 2019 79423 -2.57 -26.82 0.74 Jan 2020 79971 0.69 8.60 1.11 Feb 2020 79729 -0.30 -3.57 0.14 Mar 2020 81574 2.31 31.59 3.77 | Oct 2019 | 79968 | 0.12 | 1.45 | 0.54 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Nov 2019 | 81517 | 1.94 | 25.89 | 1.21 |
| Jan 2020 79971 0.69 8.60 1.11 Feb 2020 79729 -0.30 -3.57 0.14 Mar 2020 81574 2.31 31.59 3.77 | Dec 2019 | 79423 | -2.57 | -26.82 | 0.74 |
| Feb 2020 79729 -0.30 -3.57 0.14 Mar 2020 81574 2.31 31.59 3.77 | Jan 2020 | 79971 | 0.69 | 8.60 | 1.11 |
| Mar 2020 81574 2.31 31.59 3.77 | Feb 2020 | 79729 | -0.30 | -3.57 | 0.14 |
| | Mar 2020 | 81574 | 2.31 | 31.59 | 3.77 |

Panel I: Retail Sales

A.8 Vehicle Sales

| Period | Total Sales | Month to Month % Change | Year to Year % Change | Export Sales | Month to Month % Change | Year to Year % Change |
|----------------------|----------------|-------------------------------|--------------------------|--------------|-------------------------------|--------------------------|
| Jan 2016 | 46488 | -0.61 | -6.84 | 13001 | -25.47 | -22.19 |
| Feb 2016 | 46138 | -0.75 | -7.14 | 29323 | 125.54 | -1.52 |
| Mar 2016 | 45289 | -1.84 | -13.48 | 27718 | -5.47 | -18.54 |
| Apr 2016 | 38146 | -15.77 | -9.14 | 32832 | 18.45 | 39.11 |
| May 2016 | 40592 | 6.41 | -10.89 | 33619 | 2.40 | 0.61 |
| Jun 2016 | 42584 | 4.91 | -10.42 | 31201 | -7.19 | -0.69 |
| Jul 2016 | 42491 | -0.22 | -16.99 | 29024 | -6.98 | 2.34 |
| Aug 2016 | 43922 | 3.37 | -9.55 | 34359 | 18.38 | 22.22 |
| Sep 2016 | 45271 | 3.07 | -14.37 | 32764 | -4.64 | -6.80 |
| Oct 2016 | 46820 | 3.42 | -9.48 | 30773 | -6.08 | 11.03 |
| Nov 2016 | 44362 | -5.25 | -9.10 | 31494 | 2.34 | 12.02 |
| Dec 2016 | 40049 | -9.72 | -14.38 | 18707 | -40.60 | 7.23 |
| Jan 2017 | 49006 | 22.37 | 5.42 | 11651 | -37.72 | -10.38 |
| Feb 2017 | 46444 | -5.23 | 0.66 | 29154 | 150.23 | -0.58 |
| Mar 2017 | 46542 | 0.21 | 2.77 | 29859 | 2.42 | 7.72 |
| Apr 2017 | 33539 | -27.94 | -12.08 | 24229 | -18.86 | -26.20 |
| May 2017 | 40203 | 19.87 | -0.96 | 28749 | 18.66 | -14.49 |
| Jun 2017 | 43478 | 8.15 | 2.10 | 31595 | 9.90 | 1.26 |
| Jul 2017 | 44709 | 2.83 | 5.22 | 34720 | 9.89 | 19.63 |
| Aug 2017 | 47430 | 6.09 | 7.99 | 29930 | -13.80 | -12.89 |
| Sep 2017 | 48804 | 2.90 | 7.80 | 36341 | 21.42 | 10.92 |
| Oct 2017 | 49525 | 1.48 | 5 78 | 28233 | -22.31 | -8.25 |
| Nov 2017 | 48130 | -2.82 | 8 49 | 33527 | 18 75 | 6.46 |
| Dec 2017 | 39372 | -18 20 | -1 69 | 20107 | -40.03 | 7 48 |
| Jan 2018 | 44471 | 12.95 | -9.25 | 14129 | -29.73 | 21.27 |
| Feb 2018 | 44669 | 0.45 | -3.82 | 27529 | 94 84 | -5.57 |
| Mar 2018 | 47381 | 6.07 | 1.80 | 30161 | 9.56 | 1.01 |
| Apr 2018 | 35122 | -25.87 | 4 72 | 21519 | -28.65 | -11 18 |
| May 2018 | 41433 | 17.97 | 3.06 | 32716 | 52.03 | 13.80 |
| Jun 2018 | 44901 | 8 37 | 3 27 | 26785 | -18 13 | -15.22 |
| Jul 2018 | 45992 | 2 43 | 2.87 | 28081 | 4 84 | -19.12 |
| Aug 2018 | 46248 | 0.56 | -2.49 | 32341 | 15.17 | 8.06 |
| Sep 2018 | 47920 | 3.62 | -1.81 | 36754 | 13.65 | 1 14 |
| Oct 2018 | 50302 | 4 97 | 1.57 | 34125 | -7.15 | 20.87 |
| Nov 2018 | 45592 | -9.36 | -5.27 | 35577 | 4 25 | 6.11 |
| Dec 2018 | 38771 | -14.96 | -1.53 | 31422 | -11.68 | 56 27 |
| Jan 2019 | 41656 | 7 44 | -6.33 | 18250 | -41.92 | 29.17 |
| Feb 2019 | 42385 | 1.75 | -5.11 | 33675 | 84 52 | 22 33 |
| Mar 2019 | 45863 | 8 21 | -3 20 | 36788 | 9.24 | 21.97 |
| Apr 2019 | 35315 | -23.00 | 0.55 | 32829 | -10.76 | 52 56 |
| May 2010 | 38788 | 0.83 | 6 38 | 30152 | 8 15 | 7.84 |
| Jun 2019 | 44312 | 14 24 | -0.38 | 30667 | 1 71 | 14 49 |
| Jul 2010 | 44491 | 0.40 | 3.26 | 35087 | 14.41 | 24.95 |
| Aug 2019 | 43925 | -1.27 | -5.02 | 43960 | 25.29 | 35.93 |
| Sep 2019 | 47601 | 8.37 | -0.67 | 36270 | -17 49 | -1.32 |
| Oct 2019 | 50347 | 5 77 | 0.09 | 41266 | 13 77 | 20.93 |
| Nov 2019 | 43187 | -14.22 | -5.28 | 34591 | -16.18 | 20.93 |
| Dec 2019 | 40334 | -14.22 | -0.20 | 13560 | -10.10 | -4.11 |
| Lap 2019 | 40334 30107 | -0.01 | 4.03 | 16303 | -00.80 | -00.00 |
| 5an 2020 Esh 2020 | 09197 41954 | -4.04 | -0.90 | 20142 | 20.23 | -10.07 |
| red 2020 Mar 2020 | 41004 | 0.78 | -1.20 | 32143 | 97.10 | -4.55 |
| Mar 2020 | 32057 | -23.41 | -30.10 | 28889 | -10.12 | -21.47 |
| Apr 2020 | 4/8 | -98.01 | -98.00 | 901 | -90.88 | -97.20 |
| May 2020 | 12252 | 2463.18 | -68.41 | 10820 | 1100.89 | -64.12 |

Panel J: Vehicle Sales

Source: National Association of Automobile Manufactures, 2020

A.9 Commodity Prices

| Jan 2016 17927.46 11.82 13946.64 8.52 30.93 Feb 2016 18876.76 5.30 14518.31 4.10 32.14 Mar 2016 19237.53 1.91 14910.74 2.70 38.32 Apr 2016 18152.63 -5.64 14511.39 2.068 41.37 Jun 2016 19375.30 6.74 1579.88 8.81 46.77 Jun 2016 19375.30 0.74 1450.29 5.95 48.29 Jul 2016 19279.89 0.76 15728.45 5.91 45.26 Aug 2016 18432.29 -4.40 15302.80 -2.71 45.51 Sep 2016 18432.29 -4.40 15302.80 -2.71 45.51 Sep 2016 18622.57 1.03 14695.83 -3.97 46.40 Oct 2016 17569.86 -5.17 13350.15 -9.16 49.68 Nov 2016 17569.86 -5.17 13350.15 -9.16 49.68 Nov 2016 17559.86 -5.17 13350.15 -9.16 49.68 Nov 2016 17559.87 -7.56 12721.50 -3.90 53.22 Jan 2017 16176.18 1.38 13203.35 3.79 54.53 Feb 2017 16176.18 1.38 13203.35 -6.45 55.06 Mar 2017 1529.36 -2.20 12432.43 -6.34 51.58 Apr 2017 17051.58 7.04 12918.03 3.91 52.55 Mar 2017 1655.84 -1.43 12010.88 -2.64 46.41 Jul 2017 16282.08 -1.43 12010.88 -2.64 46.41 Jul 2017 16282.08 -1.43 12010.88 -2.64 46.41 Jul 2017 16282.08 -1.43 12010.88 -2.64 46.41 Jul 2017 1655.85 0.01 61 2044.63 0.28 48.25 Aug 2017 16669.33 4.39 12841.41 6.62 51.64 Sep 2017 17316.64 2.05 12670.65 -1.33 56.16 Oct 2017 17554.58 1.37 12597.42 -0.58 57.39 Nov 2017 17806.52 2.91 13141.99 4.32 62.75 Dec 2017 16639.40 -7.89 11951.60 -9.06 64.37 Jun 2018 16263.27 -2.26 12051.15 0.83 69.08 Feb 2018 15758.90 -3.10 11697.57 -2.93 65.30 Mar 2018 15695.00 -3.10 11697.57 -2.93 65.30 Mar 2018 15695.00 -3.10 11697.57 -2.93 65.30 Mar 2018 15695.00 -3.10 11697.57 -2.93 65.30 Mar 2018 15768.90 -3.10 11697.57 -2.93 65.30 Mar 2018 15768.90 -3.10 11697.57 -2.93 65.30 Mar 2018 15768.90 -3.10 116 | Period | Gold (Rand) | Month to Month % Change | Platinum (Rand) | Month to Month % Change | Brent Crude (Rand) | Month to Month % Change |
|---|----------|-------------|-------------------------------|--------------------|-------------------------------|-----------------------|-------------------------------|
| Feb 201618876.765.3014518.314.1032.14Mar 201618927.531.9114910.742.7038.32Apr 201618152.63-5.6414511.39-2.6841.37Jun 20161937.536.741579.888.8146.77Jun 20161937.530.761572.8455.9145.26Aug 201618432.29-4.4015302.80-2.7145.51Sep 201618622.571.0314605.83-3.9746.40Oct 201617569.66-5.1713350.15-9.1649.68Nov 201617569.74-7.5612721.50-3.9053.22Jan 20171607.63-2.201242.43-6.5455.06Mar 20171658.380.6913274.630.5455.06Mar 20171502.86-1.4312010.88-4.6441.14Jun 20171652.98-0.1612044.630.2848.25Jun 201716659.89-0.1612044.630.2848.25Aug 201716669.234.3912841.416.6251.64Oct 201717554.881.3712507.42-0.8863.09Jun 201716639.40-7.8011951.60-9.0664.37Jun 201816696.27-2.2612051.55-1.64Aug 201718656.282.911314.194.3262.75Dec 201717554.881.3712507.42-0.8365.00Jun 201816695.00< | Jan 2016 | 17927.46 | 11.82 | 13946.64 | 8.52 | 30.93 | -18.84 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Feb 2016 | 18876.76 | 5.30 | 14518.31 | 4.10 | 32.14 | 3.91 |
| Apr 201618152.63-5.6414511.39-2.6841.37May 201619375.306.7415798.888.8146.77Jun 201619279.890.7615728.455.9145.26Aug 201618432.29-4.4015302.80-2.7145.51Sep 201618622.571.0314695.83-3.9746.40Oct 201617659.86-5.1713350.15-9.1649.68Nov 201617659.86-5.1713350.15-9.1649.68Nov 201615955.74-7.5612721.50-3.9053.22Jan 201716176.181.3813203.353.7954.53Ghe 201717628.380.6913274.630.5455.66Mar 201715929.36-2.2012452.43-6.3451.58Apr 201717651.587.0412918.033.9152.55May 201716517.90-3.131236.56-4.5050.26Jun 201716252.08-1.4312010.88-2.6446.41Jul 201716255.98-0.1612044.630.2848.25Sep 20171736.642.0512670.65-1.3356.16Oct 20171736.642.0512670.65-1.3356.16Oct 20171736.642.0512670.65-1.3356.16Oct 20171736.642.0512670.65-1.3356.30Nov 20171865.282.9113141.994.3262.30Jan 2018 | Mar 2016 | 19237.53 | 1.91 | 14910.74 | 2.70 | 38.32 | 19.23 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Apr 2016 | 18152.63 | -5.64 | 14511.39 | -2.68 | 41.37 | 7.96 |
| $\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$ | May 2016 | 19375.30 | 6.74 | 15789.88 | 8.81 | 46.77 | 13.05 |
| $ Jul 2016 19279.89 0.76 15728.45 5.91 45.26 \\ Jug 2016 18432.29 - 4.40 15302.80 -2.71 45.51 \\ Sep 2016 18622.57 1.03 14695.83 -3.97 46.40 \\ Jos 2016 17659.86 -5.17 13350.15 -9.16 49.68 \\ Mov 2016 17260.73 -2.26 13238.39 -0.84 45.03 \\ Dec 2016 1595.74 -7.56 12721.50 -3.90 53.22 \\ Jan 2017 16176.18 1.38 13203.35 3.79 54.53 \\ Feb 2017 16288.38 0.69 13274.63 0.54 55.06 \\ Mar 2017 15929.36 -2.20 12424.24 -6.34 51.58 \\ Apr 2017 17051.58 7.04 12918.03 3.91 52.55 \\ May 2017 16515.98 -0.16 12044.63 0.28 48.25 \\ Jun 2017 16282.08 -1.43 12010.88 -2.64 46.41 \\ Jul 2017 1664 2.05 12670.65 -1.33 56.16 \\ Oct 2017 17316.64 2.05 12670.65 -1.33 56.16 \\ Oct 2017 17316.64 2.05 12670.65 -1.33 56.16 \\ Oct 2017 17554.58 1.37 12507.42 -0.58 57.39 \\ Nov 2017 18662.28 2.91 13141.99 4.32 62.75 \\ Dec 2017 1766.94 -7.89 11951.60 -9.06 64.37 \\ Jan 2018 16263.27 -2.26 12051.15 0.83 09.08 \\ Mar 2018 15695.00 -0.41 11294.55 -3.45 66.07 \\ Apr 2018 15758.90 -3.10 1167.57 -2.93 65.30 \\ Mar 2018 15695.00 -0.41 11294.55 -3.45 66.07 \\ Apr 2018 15758.90 -3.10 1167.57 -2.93 65.30 \\ Mar 2018 15695.00 -0.41 11294.55 -3.45 66.07 \\ Apr 2018 15768.90 -3.10 1167.57 -2.93 65.30 \\ Mar 2018 16263.27 -2.26 12051.15 0.68 09.08 \\ Mar 2018 16263.30 -2.71 1185.15 -4.21 74.24 \\ Apr 2018 16349.56 0.33 11329.52 1.91 76.97 \\ Jul 2018 16349.56 0.33 11329.52 1.91 76.97 \\ Jul 2018 17616.49 -0.76 12021.78 1.26 81.06 \\ Apr 2018 17769.42 3.44 11227.72 -5.56 66.61 -2 \\ Apr 2018 17769.42 3.44 11227.72 -5.66 65.61 -2 \\ Apr 2018 17769.42 -2.58 1250.84 3.79 71.36 \\ Mar 2019 18761.64 0.076 12021.78 1.26 (4.80 -2 \\ Apr 2019 1874.85 1.98 11266.88 0.69 (64.05 \\ Apr 2019 1874.85 1.98 11266.88 0.69 (64.05 \\ Apr 2019 1874.85 1.98 11266.88 $ | Jun 2016 | 19134.73 | -1.24 | 14850.29 | -5.95 | 48.29 | 3.25 |
| Aug 201618432.29-4.4015302.80 -2.71 45.51Sep 201617659.86-5.1713350.15-9.1649.68Nov 201617260.73-2.2613288.39-0.8445.03Dec 201615955.74-7.5612721.50-3.9053.22Jan 201716176.181.3813203.353.7954.53Feb 201716288.380.6913274.630.5455.06Mar 201715929.36-2.2012432.43-6.3451.58Apr 201717051.587.0412918.033.9152.55May 201716517.90-3.1312336.56-4.5050.26Jun 201716282.08-1.4312010.88-2.6446.41Jul 201716265.98-0.1612044.630.2848.25Sep 201717316.642.0512670.65-1.3356.16Oct 20171754.581.3712597.42-0.5867.39Nov 201718605.282.911341.994.3262.75Dec 201815758.90-3.1011697.57-2.9365.30Mar 201815695.00-0.4111294.55-3.4566.07Apr 201815695.00-0.3311329.521.9176.97Jun 20181639.56-0.3311329.521.9176.97Jun 20181639.56-0.3311329.52-1.9176.97Jun 201817634.954.3111676.493.0674.50Jun 20 | Jul 2016 | 19279.89 | 0.76 | 15728.45 | 5.91 | 45.26 | -6.27 |
| Sep 201618622.571.0314695.83 -3.97 46.40Oct 20161765.86 -5.17 13350.15 -9.16 49.68Nov 201615955.74 -7.56 12721.50 -3.90 53.22 Jan 201716176.181.3813203.35 3.79 54.53 Feb 201716288.380.6913274.63 0.54 55.06 Mar 201717051.58 7.04 12918.03 3.91 52.55 May 201716617.90 -3.13 12336.56 -4.50 50.26 Jun 201716282.08 -1.43 12010.88 -2.64 46.41 Jul 201716690.23 4.39 12841.41 6.62 51.64 Sep 201717316.642.0512670.65 -1.33 56.16 Oct 201717554.58 1.37 12597.42 -0.58 57.39 Nov 201718065.28 2.91 13141.99 4.32 62.75 Dec 201716639.40 -7.89 11951.60 -9.06 64.37 Jan 201816263.27 -2.26 12051.15 0.83 69.08 Feb 201815758.90 -3.10 11697.57 -2.93 65.30 Mar 201816295.29 3.82 11117.29 -1.57 71.88 May 201816349.56 0.33 11329.52 1.91 76.97 Jun 20181639.30 -2.71 1185.15 -4.21 74.24 Aug 201817054.95 4.31 11676.49 3.06 74.50 Jun 2018 <td>Aug 2016</td> <td>18432.29</td> <td>-4.40</td> <td>15302.80</td> <td>-2.71</td> <td>45.51</td> <td>0.55</td> | Aug 2016 | 18432.29 | -4.40 | 15302.80 | -2.71 | 45.51 | 0.55 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Sep 2016 | 18622.57 | 1.03 | 14695.83 | -3.97 | 46.40 | 1.96 |
| Nov 201617260.73-2.2613283.39-0.8445.03Dec 201615955.74-7.5612721.50-3.9053.22Jan 201716176.181.3813203.353.7954.53Feb 201716288.380.6913274.630.5455.06Mar 201715929.36-2.2012452.43-6.3451.58Apr 201717051.587.0412918.033.9152.55Jun 201716282.08-1.4312010.88-2.6446.41Jul 201716252.98-0.1612044.630.2848.25Aug 201716969.234.3912841.416.6251.64Sep 201717316.642.0512670.65-1.3356.16Oct 201717554.581.3712597.42-0.5857.39Nov 201718065.282.9113141.994.3262.75Dec 20171663.40-7.8911951.60-9.0664.37Jan 201816263.27-2.2612051.150.8369.08Feb 201815758.90-3.1011697.57-2.9365.30Mar 201815695.00-0.4111294.55-3.4566.07Apr 201816295.293.8211117.29-1.5771.88Jun 201817054.954.3111676.493.0674.50Jul 20181639.30-2.7111251.710.6072.82Sep 201817751.444.1511871.685.5179.00Oct 2018 <td>Oct 2016</td> <td>17659.86</td> <td>-5.17</td> <td>13350.15</td> <td>-9.16</td> <td>49.68</td> <td>7.07</td> | Oct 2016 | 17659.86 | -5.17 | 13350.15 | -9.16 | 49.68 | 7.07 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Nov 2016 | 17260.73 | -2.26 | 13238.39 | -0.84 | 45.03 | -9.36 |
| Jan 2017 16176.18 1.38 1320.35 3.79 54.53 Peb 2017 15929.36 -2.20 12432.43 -6.34 51.58 Apr 2017 17051.58 7.04 12918.03 3.91 52.55 May 2017 16517.90 -3.13 12336.56 -4.50 50.26 Jun 2017 16252.98 -1.43 12010.88 -2.64 46.41 Jul 2017 16255.98 -0.16 12044.63 0.28 48.25 Aug 2017 17316.64 2.05 12670.65 -1.33 56.16 Oct 2017 17554.58 1.37 12597.42 -0.58 57.39 Nov 2017 18652.82 2.91 13141.99 4.32 62.75 Dec 2017 16639.40 -7.89 11951.60 -9.06 64.37 Jan 2018 15695.00 -0.41 11294.55 -3.45 66.07 Apr 2018 15695.00 -0.41 11294.55 -3.45 66.07 Jun 2018 1639.56 0.33 11325.71 0.66 74.50 Jun 2018 16 | Dec 2016 | 15955.74 | -7.56 | 12721.50 | -3.90 | 53.22 | 18.19 |
| Feb 201716288.380.6913274.630.5455.06Mar 201717051.587.0412918.033.9152.55May 201716517.90-3.1312336.56-4.5050.26Jun 201716282.08-1.4312010.88-2.6446.41Jul 201716282.08-0.1612044.630.2848.25Aug 201717316.642.0512670.65-1.3356.16Oct 201717354.581.3712597.42-0.5857.39Nov 201718065.282.9113141.994.3262.75Dec 201716639.40-7.8911951.60-9.0664.37Jan 201815695.00-0.4111294.55-3.4566.07Apr 201815695.00-0.4111294.55-3.4566.07Apr 201816394.30-2.7111185.15-4.2174.24Aug 201817054.954.3111676.493.0674.50Jun 201816349.560.3311329.521.9176.97Jun 201817054.954.3111676.493.0674.50Jul 201816593.30-2.7111185.15-4.2174.24Aug 201817043.742.7111251.710.6072.82Sep 201817751.444.1511871.685.5179.00Oct 201817169.28-2.5411863.680.6964.05Jan 20191780.090.741189.76-0.3459.24Jan 2019 <td>Jan 2017</td> <td>16176.18</td> <td>1.38</td> <td>13203.35</td> <td>3.79</td> <td>54.53</td> <td>2.46</td> | Jan 2017 | 16176.18 | 1.38 | 13203.35 | 3.79 | 54.53 | 2.46 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Feb 2017 | 16288.38 | 0.69 | 13274.63 | 0.54 | 55.06 | 0.97 |
| Apr 201717051.587.0412918.033.9152.55May 201716517.90-3.1312336.56-4.5050.26Jun 201716282.08-1.4312010.88-2.6446.41Jul 201716285.98-0.1612044.630.2848.25Aug 201717316.642.0512670.65-1.3356.16Oct 201717354.581.3712597.42-0.5857.39Nov 201718065.282.9113141.994.3262.75Dec 201716639.40-7.8911951.60-9.0664.37Jan 201816263.27-2.2612051.150.8369.08Feb 201815758.90-3.1011697.57-2.9365.30Mar 201816295.293.821117.29-1.5771.88May 201816349.560.3311329.521.9176.97Jun 201816393.30-2.7111851.5-4.2174.24Aug 201817043.742.7111251.710.6072.82Sep 201817759.423.4411227.72-5.3656.61Oct 201817616.49-0.7612021.781.2681.06Nov 201918243.851.9811266.880.6964.05Mar 201918215.73-2.681250.843.7971.36Mar 201918215.73-2.681250.843.7971.36Mar 201918215.73-2.681250.843.7971.36Mar 2019< | Mar 2017 | 15929.36 | -2.20 | 12432.43 | -6.34 | 51.58 | -6.32 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Apr 2017 | 17051.58 | 7.04 | 12918.03 | 3.91 | 52.55 | 1.88 |
| Jun 2017 16282.08 -1.43 12010.88 -2.64 46.41 Jul 2017 16265.98 -0.16 12044.63 0.28 48.25 Aug 2017 16969.23 4.39 12841.41 6.62 51.64 Sep 2017 17316.64 2.05 12670.65 -1.33 56.16 Oct 2017 17584.58 1.37 12597.42 -0.58 57.39 Nov 2017 18065.28 2.91 13141.99 4.32 62.75 Dec 2017 16639.40 -7.89 11951.60 -9.06 64.37 Jan 2018 16632.27 -2.26 12051.15 0.83 69.08 Feb 2018 15758.90 -3.10 11697.57 -2.93 65.30 Mar 2018 16349.56 0.33 11329.52 1.91 76.97 Jul 2018 16593.30 -2.71 11185.15 -4.21 74.24 Aug 2018 17043.74 2.71 11251.71 0.60 72.82 Sep 2018 17751.44 4.15 11871.68 5.51 79.00 Oct 2018 176 | May 2017 | 16517.90 | -3.13 | 12336.56 | -4.50 | 50.26 | -4.36 |
| Jul 2017 16255.98 -0.16 12044.63 0.28 48.25 Aug 2017 16969.23 4.39 12841.41 6.62 51.64 Sep 2017 17316.64 2.05 12670.65 -1.33 56.16 Oct 2017 17554.58 1.37 12597.42 -0.58 57.39 Nov 2017 18065.28 2.91 13141.99 4.32 62.75 Dec 2017 16639.40 -7.89 11951.60 -9.06 64.37 Jan 2018 15695.00 -0.41 11294.55 -3.45 66.07 Mar 2018 15695.00 -0.41 11294.55 -3.45 66.07 Jun 2018 1639.56 0.33 1132.92 1.91 76.97 Jun 2018 16593.30 -2.71 11185.15 -4.21 74.24 Aug 2018 17054.95 4.31 11676.49 3.06 74.50 Jul 2018 16593.30 -2.71 11851.71 0.60 72.82 Sep 2018 17751.44 4.15 11871.68 5.51 79.00 Oct 2018 17616 | Jun 2017 | 16282.08 | -1.43 | 12010.88 | -2.64 | 46.41 | -7.66 |
| Aug 201716969.234.3912841.416.6251.64Sep 201717316.642.0512670.65-1.3356.16Oct 201717554.581.3712597.42-0.5857.39Nov 201718065.282.9113141.994.3262.75Dec 201716639.40-7.8911951.60-9.0664.37Jan 201816263.27-2.2612051.150.8369.08Feb 201815758.90-3.1011697.57-2.9365.30Mar 201815695.00-0.4111294.55-3.4566.07Apr 201816295.293.8211117.29-1.5771.88May 201816349.560.3311329.521.9176.97Jun 201817054.954.3111676.493.0674.50Jul 201816593.30-2.7111185.15-4.2174.24Aug 201817043.742.7111251.710.6072.82Sep 201817751.444.1511871.685.5179.00Oct 201817616.49-0.7612021.781.2681.06Nov 20181769.28-2.5411863.41-1.3264.80Jan 20191789.090.741189.76-0.3459.24Feb 20191789.090.741189.76-0.3459.24Jun 201918243.851.9811266.880.6964.05Jun 201918243.851.98 | Jul 2017 | 16255.98 | -0.16 | 12044.63 | 0.28 | 48.25 | 3.96 |
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| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Sep 2017 | 17316.64 | 2.05 | 12670.65 | -1.33 | 56.16 | 8.75 |
| Nov 201718065.282.9113141.994.3262.75Dec 201716639.40 -7.89 11951.60 -9.06 64.37Jan 201816263.27 -2.26 12051.15 0.83 69.08Feb 201815758.90 -3.10 11697.57 -2.93 65.30Mar 201816295.29 3.82 1117.29 -1.57 71.88May 201816349.56 0.33 11329.52 1.91 76.97Jun 201817054.95 4.31 11676.49 3.06 74.50Jul 201816593.30 -2.71 11185.15 -4.21 74.24Aug 201817043.74 2.71 11251.71 0.60 72.82Sep 201817751.44 4.15 11871.68 5.51 79.00Oct 2018177616.49 -0.76 12021.78 1.26 81.06 Nov 201817169.28 -2.54 11863.41 -1.32 64.80 -1.57 Jan 201917890.09 0.74 1189.76 -0.34 59.24 -2.68 1250.84 3.79 71.36 Mar 201918215.73 -2.68 1250.84 3.79 71.36 -3.55 -3.56 -56.61 -3.56 Jun 201919808.54 6.95 11810.28 -1.15 64.16 -3.56 -3.56 -59.21 Jun 201919808.54 6.95 11810.28 -1.15 64.16 -3.56 -3.56 -59.21 Sep 201922416.20 -1.20 13979.82 6.93 62.78 $-$ | Oct 2017 | 17554.58 | 1.37 | 12597.42 | -0.58 | 57.39 | 2.19 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Nov 2017 | 18065.28 | 2.91 | 13141.99 | 4.32 | 62.75 | 9.34 |
| Jan 201816263.27-2.2612051.150.8369.08Feb 201815758.90-3.1011697.57-2.9365.30Mar 201815695.00-0.4111294.55-3.4566.07Apr 201816295.293.8211117.29-1.5771.88May 201816349.560.3311329.521.9176.97Jun 201817054.954.3111676.493.0674.50Jul 201817054.954.3111251.51-4.2174.24Aug 201817043.742.7111251.710.6072.82Sep 201817751.444.1511871.685.5179.00Oct 201817616.49-0.7612021.781.2681.06Nov 201817169.28-2.5411863.41-1.3264.80Dec 201817759.423.4411227.72-5.3656.61-5Jan 201917890.090.741189.76-0.3459.24Feb 201918243.851.9811266.880.6964.05Mar 201918716.852.5912072.947.1566.15Apr 20191851.73-2.6812530.843.7971.36Jun 201919808.546.9511810.28-1.1564.16Jul 201919916.110.5411848.020.3264.39Jul 201919916.110.5411848.020.3264.39Jul 201912816.73-0.2613073.8710.3559.21Sep | Dec 2017 | 16639.40 | -7.89 | 11951.60 | -9.06 | 64.37 | 2.58 |
| Feb 201815758.90-3.1011697.57-2.9365.30Mar 201815695.00-0.4111294.55-3.4566.07Apr 201816295.293.821117.29-1.5771.88May 201816349.560.3311329.521.9176.97Jun 201817054.954.3111676.493.0674.50Jul 201817043.742.7111185.15-4.2174.24Aug 201817043.742.7111251.710.6072.82Sep 201817751.444.1511871.685.5179.00Oct 201817616.49-0.7612021.781.2681.06Nov 201817169.28-2.5411863.41-1.3264.80Dec 201817759.423.4411227.72-5.3656.61Jan 201917890.090.741189.76-0.3459.24Feb 201918243.851.9811266.880.6964.05Mar 201918716.852.5912072.947.1566.15Apr 201918215.73-2.6812530.843.7971.36May 201918521.211.6811948.24-4.6571.35Jun 201919808.546.9511810.28-1.1564.16Jul 201919916.110.5411840.200.3264.39Jun 201919808.546.9511810.28-1.1564.16Jul 201922687.8913.9213073.8710.3559.21Sep 2019< | Jan 2018 | 16263.27 | -2.26 | 12051.15 | 0.83 | 69.08 | 7.32 |
| $\begin{array}{l c c c c c c c c c c c c c c c c c c c$ | Feb 2018 | 15758.90 | -3.10 | 11697.57 | -2.93 | 65.30 | -5.47 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Mar 2018 | 15695.00 | -0.41 | 11294.55 | -3.45 | 66.07 | 1.18 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Apr 2018 | 16295.29 | 3.82 | 11117.29 | -1.57 | 71.88 | 8.79 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | May 2018 | 16349.56 | 0.33 | 11329.52 | 1.91 | 76.97 | 7.08 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Jun 2018 | 17054.95 | 4.31 | 11676.49 | 3.06 | 74.50 | -3.21 |
| Aug 201817043.742.71 11251.71 0.6072.82Sep 201817751.444.1511871.685.5179.00Oct 201817616.49-0.7612021.781.2681.06Nov 201817169.28-2.5411863.41-1.3264.80Dec 201817759.423.4411227.72-5.3656.61Jan 201917890.090.7411189.76-0.3459.24Feb 201918243.851.9811266.880.6964.05Mar 201918716.852.5912072.947.1566.15Apr 201918515.73-2.6812530.843.7971.36Jun 201919808.546.9511810.28-1.1564.16Jul 201919916.110.5411848.020.3264.39Aug 201922687.8913.9213073.8710.3559.21Sep 201922416.20-1.2013979.826.9362.78Oct 20192336.37-0.4513379.37-4.3059.78Nov 201921762.05-2.4813349.08-0.2363.06Dec 201921356.09-1.8713372.310.1767.15 | Jul 2018 | 16593.30 | -2.71 | 11185.15 | -4.21 | 74.24 | -0.35 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Aug 2018 | 17043.74 | 2.71 | 11251.71 | 0.60 | 72.82 | -1.91 |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | Sep 2018 | 17751.44 | 4.15 | 11871.68 | 5.51 | 79.00 | 8.49 |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Oct 2018 | 17616.49 | -0.76 | 12021.78 | 1.26 | 81.06 | 2.61 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Nov 2018 | 17169.28 | -2.54 | 11863.41 | -1.32 | 64.80 | -20.06 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | Dec 2018 | 17759.42 | 3.44 | 11227.72 | -5.36 | 56.61 | -12.64 |
| Feb 201918243.851.9811266.880.69 64.05 Mar 201918716.852.5912072.947.15 66.15 Apr 201918215.73-2.6812530.84 3.79 71.36 May 201918521.211.6811948.24-4.65 71.35 Jun 201919808.54 6.95 11810.28-1.15 64.16 Jul 201919916.110.5411848.020.32 64.39 Aug 201922687.8913.9213073.8710.35 59.21 Sep 201922416.20-1.2013979.82 6.93 62.78 Oct 201922316.37-0.4513379.37-4.30 59.78 Nov 20192136.09-1.8713372.310.17 67.15 | Jan 2019 | 17890.09 | 0.74 | 11189.76 | -0.34 | 59.24 | 4.65 |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Feb 2019 | 18243.85 | 1.98 | 11266.88 | 0.69 | 64.05 | 8.12 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Mar 2019 | 18716.85 | 2.59 | 12072.94 | 7.15 | 66.15 | 3.28 |
| May 2019 18521.21 1.68 11948.24 -4.65 71.35 Jun 2019 19808.54 6.95 11810.28 -1.15 64.16 - Jul 2019 19916.11 0.54 11848.02 0.32 64.39 Aug 2019 22687.89 13.92 13073.87 10.35 59.21 Sep 2019 22416.20 -1.20 13979.82 6.93 62.78 Oct 2019 22316.37 -0.45 13379.37 -4.30 59.78 Nov 2019 21762.05 -2.48 13349.08 -0.23 63.06 Dec 2019 21356.09 -1.87 13372.31 0.17 67.15 | Apr 2019 | 18215.73 | -2.68 | 12530.84 | 3.79 | 71.36 | 7.88 |
| | May 2019 | 18521.21 | 1.68 | 11948.24 | -4.65 | 71.35 | -0.01 |
| | Jun 2019 | 19808.54 | 6.95 | 11810.28 | -1.15 | 64.16 | -10.08 |
| Aug 201922687.8913.9213073.8710.3559.21Sep 201922416.20 -1.20 13979.82 6.93 62.78 Oct 201922316.37 -0.45 13379.37 -4.30 59.78 Nov 201921762.05 -2.48 13349.08 -0.23 63.06 Dec 201921356.09 -1.87 13372.31 0.17 67.15 | Jul 2019 | 19916.11 | 0.54 | 11848.02 | 0.32 | 64.39 | 0.36 |
| Sep 2019 22416.20 -1.20 13979.82 6.93 62.78 Oct 2019 22316.37 -0.45 13379.37 -4.30 59.78 Nov 2019 21762.05 -2.48 13349.08 -0.23 63.06 Dec 2019 21356.09 -1.87 13372.31 0.17 67.15 | Aug 2019 | 22687.89 | 13.92 | 13073.87 | 10.35 | 59.21 | -8.04 |
| Oct 2019 22316.37 -0.45 13379.37 -4.30 59.78 Nov 2019 21762.05 -2.48 13349.08 -0.23 63.06 Dec 2019 21356.09 -1.87 13372.31 0.17 67.15 | Sep 2019 | 22416.20 | -1.20 | 13979.82 | 6.93 | 62.78 | 6.03 |
| Nov 2019 21762.05 -2.48 13349.08 -0.23 63.06 Dec 2019 21356.09 -1.87 13372.31 0.17 67.15 | Oct 2019 | 22316.37 | -0.45 | 13379.37 | -4.30 | 59.78 | -4.78 |
| Dec 2019 21356.09 -1.87 13372.31 0.17 67.15 | Nov 2019 | 21762.05 | -2.48 | 13349.08 | -0.23 | 63.06 | 5.49 |
| | Dec 2019 | 21356.09 | -1.87 | 13372.31 | 0.17 | 67.15 | 6.49 |
| Jan 2020 22498.61 5.35 14217.70 6.32 64.04 | Jan 2020 | 22498.61 | 5.35 | 14217.70 | 6.32 | 64.04 | -4.63 |

Panel K: Commodity Prices

Source: Bloomberg, 2020

A.10 Fuel Prices

| Period | 93 Octane Unleaded | 95 Octane Unleaded | Diesel - 0.005% Sulphur | Diesel - 0.05% Sulphur |
|----------------------|--------------------|--------------------|----------------------------|---------------------------|
| Jan 2016 | 1209 | 1237 | 1010.57 | 1005.17 |
| Feb 2016 | 1215 | 1243 | 947.57 | 943.17 |
| Mar 2016 | 1146 | 1174 | 961.57 | 958.17 |
| Apr 2016 | 1232 | 1262 | 1059.27 | 1053.87 |
| May 2016 | 1244 | 1274 | 1057.27 | 1052.87 |
| Jun 2016 | 1296 | 1326 | 1133.27 | 1128.87 |
| Jul 2016 | 1307 | 1334 | 1174.27 | 1170.87 |
| Aug 2016 | 1208 | 1235 | 1101.27 | 1096.87 |
| Sep 2016 | 1190 | 1217 | 1052.27 | 1048.87 |
| Oct 2016 | 1234 | 1260 | 1075.27 | 1071.87 |
| Nov 2016 | 1279 | 1305 | 1138.27 | 1134.87 |
| Dec 2016 | 1259 | 1285 | 1107.23 | 1102.83 |
| Jan 2017 | 1309 | 1333 | 1144.23 | 1141.83 |
| Feb 2017 | 1338 | 1362 | 1165.23 | 1162.83 |
| Mar 2017 | 1330 | 1354 | 1163.23 | 1160.83 |
| Apr 2017 | 1308 | 1330 | 1152.73 | 1150.33 |
| May 2017 | 1357 | 1379 | 1184.73 | 1180.33 |
| Jun 2017 | 1332 | 1354 | 1161.73 | 1157.33 |
| Jul 2017 | 1263 | 1286 | 1101.73 | 1097.33 |
| Aug 2017 | 1282 | 1305 | 1131.73 | 1126.33 |
| Sep 2017 | 1349 | 1372 | 1175.73 | 1170.33 |
| Oct 2017 | 1374 | 1401 | 1217.73 | 1212.33 |
| Nov 2017 | 1378 | 1405 | 1244.73 | 1235.33 |
| Dec 2017 | 1449 | 1476 | 1302.03 | 1275.63 |
| Jan 2018 | 1420 | 1442 | 1276.03 | 1273.63 |
| Feb 2018 | 1390 | 1412 | 1259.03 | 1256.63 |
| Mar 2018 | 1354 | 1376 | 1215.03 | 1209.63 |
| Apr 2018 | 1423 | 1448 | 1280.23 | 1274.83 |
| May 2018 | 1472 | 1497 | 1333.23 | 1333.83 |
| Jun 2018 | 1554 | 1579 | 1425.23 | 1418.83 |
| Jul 2018 | 1580 | 1602 | 1449.23 | 1444.83 |
| Aug 2018 | 1581 | 1603 | 1445.23 | 1440.83 |
| Sep 2018 | 1586 | 1608 | 1445.23 | 1440.83 |
| Oct 2018 | 1685 | 1708 | 1569.23 | 1564.83 |
| Nov 2018 | 1685 | 1708 | 1620.15 | 1612.75 |
| Dec 2018 | 1501 | 1524 | 1472.74 | 1467.34 |
| Jan 2019 | 1379 | 1401 | 1316.82 | 1313.42 |
| Feb 2019 | 1386 | 1408 | 1318.82 | 1314.42 |
| Mar 2019 | 1460 | 1482 | 1411.82 | 1405.42 |
| Apr 2019 | 1594 | 1613 | 1494.52 | 1487.12 |
| May 2019 | 1648 | 1007 | 1494.52 | 1488.12 |
| Jun 2019 | 1657 | 1676 | 1527.08 | 1521.28 |
| Jul 2019 | 1561 | 1581 | 1451.90 | 1446.50 |
| Aug 2019 | 1572 | 1592 | 1437.01 | 1433.21 |
| Sep 2019 | 1583 | 1603 | 1403.01 | 1409.21 |
| New 2019 | 1579 | 1021 | 1488.01 | 1464.21 |
| Dec 2019 | 1200 | 16008 | 14/4.01 | 1408.21 |
| Dec 2019 | 1088 | 1030 | 1408.00 | 1453.20 |
| Jan 2020 Fab 2020 | 1004 | 1010 | 1407.00 | 1402.20 |
| FeD 2020 | 1571 | 1003 | 1402.00 | 1402.20 |
| Mar 2020 | 1002 | 1004 | 1400.00 | 1403.20 |
| Apr 2020 | 1370 | 1390 | 1273.90 | 1209.00 |
| May 2020 | 1202 | 1222 | 1117.96 | 1108.56 |
| Jun 2020 | 1320 | 1340 | 1138.90 | 1130.30 |
| Jul 2020 | 1483 | 1512 | 1307.96 | 1303.56 |

Panel L: Fuel Prices (R cents)

Source: Department of Minerals and Energy, 2020

A.11 Exchange Rates

| Period | SA Rand per Dollar | Quarter to Quarter % Change | SA Rand per Pound | Quarter to Quarter % Change | SA Rand per Euro | Quarter to Quarter % Change | SA Rand per Japanese Yen | Quarter to Quarter % Change |
|---------|-----------------------|-----------------------------------|----------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 2016 Q1 | 15.86 | 11.80 | 22.69 | 5.46 | 17.47 | 12.52 | 0.14 | 17.71 |
| 2016 02 | 15.01 | -5.31 | 21.54 | -5.08 | 16.96 | -2.93 | 0.14 | 1.14 |
| 2016 Q3 | 14.07 | -6.33 | 18.48 | -14.22 | 15.70 | -7.40 | 0.14 | -1.22 |
| 2016 Q4 | 13.90 | -1.19 | 17.27 | -6.55 | 15.01 | -4.39 | 0.13 | -7.20 |
| 2017 Q1 | 13.23 | -4.79 | 16.39 | -5.10 | 14.10 | -6.10 | 0.12 | -8.73 |
| 2017 Q2 | 13.21 | -0.17 | 16.89 | 3.04 | 14.53 | 3.07 | 0.12 | 2.15 |
| 2017 Q3 | 13.17 | -0.32 | 17.22 | 1.97 | 15.47 | 6.48 | 0.12 | -0.20 |
| 2017 Q4 | 13.64 | 3.60 | 18.11 | 5.17 | 16.07 | 3.85 | 0.12 | 1.88 |
| 2018 Q1 | 11.95 | -12.37 | 16.63 | -8.15 | 14.70 | -8.52 | 0.11 | -8.66 |
| 2018 Q2 | 12.63 | 5.68 | 17.19 | 3.32 | 15.06 | 2.47 | 0.12 | 4.89 |
| 2018 Q3 | 14.09 | 11.57 | 18.37 | 6.87 | 16.39 | 8.83 | 0.13 | 9.24 |
| 2018 Q4 | 14.25 | 1.14 | 18.34 | -0.14 | 16.27 | -0.72 | 0.13 | -0.11 |
| 2019 Q1 | 14.01 | -1.69 | 18.25 | -0.49 | 15.92 | -2.19 | 0.13 | 0.66 |
| 2019 Q2 | 14.39 | 2.66 | 18.49 | 1.28 | 16.17 | 1.61 | 0.13 | 2.96 |
| 2019 Q3 | 14.68 | 2.04 | 18.08 | -2.22 | 16.32 | 0.91 | 0.14 | 4.48 |
| 2019 Q4 | 14.72 | 0.25 | 18.94 | 4.76 | 16.29 | -0.16 | 0.14 | -1.05 |
| 2020 Q1 | 15.34 | 4.25 | 19.63 | 3.66 | 16.93 | 3.89 | 0.14 | 4.13 |

Panel M: Exchange Rates

Source: Bloomberg, 2020

A.12 Current Account

Panel N: Current Account

| Period | Current Account to GDP (%) | Quarter to Quarter % Change | Quarter to Quarter % Change Annualised | Year to Year $\%$ Change |
|---------|-------------------------------|--------------------------------|---|--------------------------|
| 2016 Q1 | -4.9 | -7.55 | -26.94 | 0.00 |
| 2016 Q2 | -2.1 | -57.14 | -96.63 | -38.24 |
| 2016 Q3 | -2.8 | 33.33 | 216.05 | -41.67 |
| 2016 Q4 | -1.7 | -39.29 | -86.41 | -67.92 |
| 2017 Q1 | -2.2 | 29.41 | 180.48 | -55.10 |
| 2017 Q2 | -3.1 | 40.91 | 294.24 | 47.62 |
| 2017 Q3 | -2.2 | -29.03 | -74.63 | -21.43 |
| 2017 Q4 | -2.7 | 22.73 | 126.86 | 58.82 |
| 2018 Q1 | -4.6 | 70.37 | 742.51 | 109.09 |
| 2018 Q2 | -3.8 | -17.39 | -53.43 | 22.58 |
| 2018 Q3 | -3.7 | -2.63 | -10.12 | 68.18 |
| 2018 Q4 | -2.2 | -40.54 | -87.50 | -18.52 |
| 2019 Q1 | -3.0 | 36.36 | 245.78 | -34.78 |
| 2019 Q2 | -4.1 | 36.67 | 248.86 | 7.89 |
| 2019 Q3 | -3.7 | -9.76 | -33.68 | 0.00 |
| 2019 Q4 | -1.3 | -64.86 | -98.48 | -40.91 |

Source: South African Reserve Bank, 2020

B Provincial Economies

B.1 Economic Growth

| Period | Gauteng | Western Cape | Eastern Cape | Northen Cape | Free State | KwaZulu Natal | North West | Mpumalang | ga Limpopo |
|---------|---------|-----------------|-----------------|-----------------|---------------|------------------|---------------|-----------|------------|
| 2016 Q1 | 1.17 | 1.22 | 0.80 | -5.91 | -1.89 | -0.00 | -13.25 | -2.30 | -4.98 |
| 2016 Q2 | 3.16 | 2.38 | 2.04 | 4.42 | 3.25 | 2.51 | 3.14 | 5.52 | 5.02 |
| 2016 Q3 | 1.00 | 0.45 | 0.25 | 1.73 | 0.78 | 0.61 | 0.41 | 1.72 | 1.98 |
| 2016 Q4 | 1.10 | 0.94 | 0.82 | -1.81 | -0.44 | 0.99 | -2.61 | -1.46 | -1.52 |
| 2017 Q1 | -1.19 | -1.33 | -1.71 | 3.04 | 0.51 | -0.07 | 3.85 | 0.60 | 1.87 |
| 2017 Q2 | 2.28 | 3.32 | 1.78 | 4.89 | 2.90 | 3.71 | 3.33 | 3.82 | 3.38 |
| 2017 Q3 | 1.65 | 2.45 | 1.37 | 6.44 | 2.98 | 3.28 | 4.78 | 4.66 | 4.82 |
| 2017 Q4 | 3.16 | 4.43 | 3.33 | 3.51 | 2.83 | 5.04 | 1.64 | 2.79 | 2.12 |
| 2018 Q1 | -1.38 | -2.91 | -2.32 | -4.54 | -4.81 | -3.85 | -2.81 | -3.95 | -3.06 |
| 2018 Q2 | 0.27 | -1.77 | -0.94 | -1.01 | -1.53 | -2.38 | 1.40 | 0.62 | 0.82 |
| 2018 Q3 | 3.19 | 3.62 | 3.04 | 0.77 | 1.67 | 3.82 | -0.26 | 1.08 | 0.11 |
| 2018 Q4 | 1.69 | 2.05 | 1.18 | 0.72 | 0.67 | 2.06 | -0.23 | 0.69 | -0.13 |
| 2019 Q1 | -2.18 | -2.81 | -2.18 | -5.32 | -3.25 | -3.48 | -5.00 | -5.23 | -4.78 |
| 2019 Q2 | 2.76 | 2.26 | 2.27 | 6.26 | 3.45 | 2.20 | 5.60 | 5.95 | 6.20 |
| 2019 Q3 | -0.51 | -0.55 | -0.24 | -1.21 | -1.29 | -1.00 | -2.36 | -1.42 | -0.95 |
| 2019 Q4 | -1.43 | -1.54 | -1.82 | -0.28 | -2.05 | -2.09 | -1.53 | -0.52 | -0.26 |
| 2020 Q1 | -1.29 | 0.07 | -0.78 | -3.94 | -3.11 | -0.60 | -7.05 | -5.17 | -4.84 |

Panel O: Gross Domestic Product by Region (%)

Source: Statistics South Africa and Quantec Research, 2020

Panel P: Gauteng Gross Domestic Product by Industry (%)

| Sector | Measure | $2019~\mathrm{Q2}$ | 2019 Q3 | $2019~\mathrm{Q4}$ | 2020 Q1 |
|--|-------------------------|--------------------|---------|--------------------|---------|
| Agriculture, forestry and fishing | % Change | -0.62 | -0.93 | -2.17 | 5.64 |
| | % Change (Year on Year) | 3.93 | -0.95 | -5.71 | 1.75 |
| Mining and quarrying | % Change | 2.59 | -3.45 | -2.01 | -8.76 |
| | % Change (Year on Year) | -5.59 | -4.87 | -4.45 | -11.44 |
| Manufacturing | % Change | 0.52 | -1.12 | -0.45 | -2.17 |
| | % Change (Year on Year) | 1.14 | -1.81 | -3.34 | -3.21 |
| Electricity and water | % Change | 0.78 | -1.26 | -1.05 | -1.47 |
| | % Change (Year on Year) | -0.93 | -2.38 | -3.45 | -2.98 |
| Construction | % Change | -0.79 | -1.97 | -1.73 | -1.42 |
| | % Change (Year on Year) | -3.18 | -4.63 | -6.01 | -5.78 |
| Wholesale and retail trade; hotels and restaurants | % Change | 0.85 | 0.66 | -0.95 | -0.30 |
| | % Change (Year on Year) | 0.59 | 0.39 | -0.41 | 0.25 |
| Transport and communication | % Change | -0.11 | -1.42 | -1.92 | 0.05 |
| | % Change (Year on Year) | 2.32 | -0.81 | -4.52 | -3.38 |
| Finance, real estate and business services | % Change | 1.12 | 0.50 | 0.77 | 1.02 |
| | % Change (Year on Year) | 2.90 | 2.78 | 2.80 | 3.46 |
| Community, social and other personal services | % Change | 0.23 | 0.11 | 0.18 | 0.13 |
| | % Change (Year on Year) | 1.15 | 1.04 | 0.75 | 0.64 |
| General government services | % Change | 0.83 | 0.61 | -0.09 | 0.26 |
| | % Change (Year on Year) | 1.85 | 1.94 | 1.99 | 1.62 |

B.2 Labour Profile

| Sector | Measure | $2019~\mathrm{Q2}$ | 2019 Q3 | $2019~\mathrm{Q4}$ | 2020 Q1 |
|--|-------------------------|--------------------|----------|--------------------|----------|
| Population Age 15-64 | Thousands | 10359.63 | 10409.65 | 10458.53 | 10507.84 |
| | % Change (Year on Year) | 1.97 | 1.95 | 1.94 | 1.92 |
| Labour force | Thousands | 7357.73 | 7331.53 | 7369.13 | 7487.82 |
| | % Change (Year on Year) | 2.27 | 1.59 | 1.28 | 3.09 |
| Employed | Thousands | 5065.93 | 5060.38 | 5098.24 | 5134.27 |
| | % Change (Year on Year) | 0.22 | -0.33 | -1.26 | -0.53 |
| Unemployed | Thousands | 2291.80 | 2271.15 | 2270.89 | 2353.54 |
| | % Change (Year on Year) | 7.11 | 6.17 | 7.49 | 11.99 |
| Not economically active | Thousands | 3001.90 | 3078.12 | 3089.40 | 3020.03 |
| | % Change (Year on Year) | 1.25 | 2.82 | 3.53 | -0.86 |
| Not economically active - Discouraged job seeker | Thousands | 367.35 | 386.87 | 415.82 | 453.14 |
| | % Change (Year on Year) | -14.07 | -6.30 | -2.06 | 9.64 |
| Unemployment rate | Percent | 31.10 | 31.00 | 30.80 | 31.40 |
| | % Change (Year on Year) | 4.71 | 4.73 | 6.21 | 8.65 |
| Employed / population ratio (Absorption) | Percent | 48.90 | 48.60 | 48.70 | 48.90 |
| | % Change (Year on Year) | -1.81 | -2.21 | -3.18 | -2.40 |
| Labour force participation rate | Percent | 71.00 | 70.40 | 70.50 | 71.30 |
| | % Change (Year on Year) | 0.28 | -0.42 | -0.56 | 1.13 |

Panel Q: Gauteng Labour Profile

Source: Statistics South Africa, 2020

Panel R: Unemployment by Province (%)

| Period | Western Cape | Eastern Cape | Northen Cape | Free State | KwaZulu Natal | North West | Gauteng | Mpumalang | ga Limpopo |
|---------|-----------------|-----------------|-----------------|---------------|------------------|---------------|---------|-----------|------------|
| 2016 Q1 | 20.9 | 28.6 | 27.8 | 33.9 | 23.1 | 28.1 | 30.2 | 29.8 | 18.3 |
| 2016 Q2 | 22.2 | 28.6 | 27.4 | 32.2 | 22.6 | 27.3 | 29.5 | 28.8 | 20.6 |
| 2016 Q3 | 21.7 | 28.2 | 29.6 | 34.2 | 23.5 | 30.5 | 29.1 | 30.4 | 21.9 |
| 2016 Q4 | 20.5 | 28.4 | 32.0 | 34.7 | 23.9 | 26.5 | 28.6 | 31.0 | 19.3 |
| 2017 Q1 | 21.5 | 32.2 | 30.7 | 35.5 | 25.8 | 26.5 | 29.2 | 31.5 | 21.6 |
| 2017 Q2 | 20.7 | 34.4 | 30.5 | 34.4 | 24.0 | 27.2 | 29.9 | 32.3 | 20.8 |
| 2017 Q3 | 21.9 | 35.5 | 29.9 | 31.8 | 24.6 | 26.2 | 30.2 | 30.7 | 19.1 |
| 2017 Q4 | 19.5 | 35.1 | 27.1 | 32.6 | 24.1 | 23.9 | 29.1 | 28.9 | 19.6 |
| 2018 Q1 | 19.7 | 35.6 | 29.5 | 32.8 | 22.3 | 25.8 | 28.6 | 32.4 | 19.9 |
| 2018 Q2 | 20.7 | 34.2 | 28.9 | 34.4 | 21.8 | 26.1 | 29.7 | 33.2 | 19.3 |
| 2018 Q3 | 20.4 | 35.6 | 27.0 | 36.3 | 23.0 | 28.0 | 29.6 | 32.5 | 18.9 |
| 2018 Q4 | 19.3 | 36.1 | 25.0 | 32.9 | 25.6 | 26.6 | 29.0 | 32.0 | 16.5 |
| 2019 Q1 | 19.5 | 37.4 | 26.0 | 34.9 | 25.1 | 26.4 | 28.9 | 34.2 | 18.5 |
| 2019 Q2 | 20.4 | 35.4 | 29.4 | 34.4 | 26.1 | 33.0 | 31.1 | 34.7 | 20.3 |
| 2019 Q3 | 21.5 | 36.5 | 29.8 | 34.5 | 25.9 | 30.4 | 31.0 | 35.3 | 21.4 |
| 2019 Q4 | 20.9 | 39.5 | 26.9 | 35.0 | 25.0 | 28.8 | 30.8 | 33.6 | 23.1 |
| 2020 Q1 | 20.9 | 40.5 | 27.0 | 38.4 | 26.9 | 33.2 | 31.4 | 33.3 | 23.6 |

Source: Statistics South Africa, 2020

Panel AA: Gauteng Employment by Industry

| Sector | Measure | 2019 Q2 | 2019 Q3 | 2019 Q4 | 2020 Q1 |
|-------------------------------|-----------|---------|---------|---------|---------|
| Agriculture | Thousands | 33.50 | 40.16 | 29.62 | 30.23 |
| | % Change | 7.72 | 19.88 | -26.23 | 2.06 |
| Mining and quarrying | Thousands | 50.13 | 65.13 | 73.16 | 82.83 |
| | % Change | -0.66 | 29.92 | 12.32 | 13.22 |
| Manufacturing | Thousands | 627.47 | 627.16 | 624.22 | 616.03 |
| | % Change | 1.19 | -0.05 | -0.47 | -1.31 |
| Utilities | Thousands | 53.15 | 43.58 | 30.90 | 35.21 |
| | % Change | 1.26 | -18.00 | -29.10 | 13.96 |
| Construction | Thousands | 381.70 | 383.24 | 367.44 | 382.13 |
| | % Change | 1.80 | 0.40 | -4.12 | 4.00 |
| Trade | Thousands | 1069.91 | 1024.50 | 1008.37 | 1018.66 |
| | % Change | 0.41 | -4.24 | -1.57 | 1.02 |
| Transport | Thousands | 385.61 | 358.29 | 377.30 | 363.21 |
| | % Change | -0.75 | -7.08 | 5.30 | -3.74 |
| Finance | Thousands | 1088.93 | 1104.73 | 1145.27 | 1151.79 |
| | % Change | -6.77 | 1.45 | 3.67 | 0.57 |
| Community and social services | Thousands | 1019.90 | 1042.59 | 1038.06 | 1025.72 |
| | % Change | -0.63 | 2.22 | -0.43 | -1.19 |
| Private households | Thousands | 350.69 | 366.30 | 395.08 | 418.04 |
| | % Change | -7.18 | 4.45 | 7.86 | 5.81 |

B.3 Consumer Confidence

| Period | Index | Month to Month % Change | Annualised Month to Month % Change | Year to Year % Change |
|---------|-------|----------------------------|---------------------------------------|-----------------------|
| 2016 01 | 0 | 40.00 | 87.04 | 28 57 |
| 2010 Q1 | -9 | -40.00 | -87.04 | 28.51 |
| 2016 Q2 | -0 | -33.33 | -80.25 | -62.50 |
| 2016 Q3 | 5 | -183.33 | -51.77 | -200.00 |
| 2016 Q4 | -8 | -260.00 | 555.36 | -46.67 |
| 2017 Q1 | -3 | -62.50 | -98.02 | -66.67 |
| 2017 Q2 | -10 | 233.33 | 12245.68 | 66.67 |
| 2017 Q3 | -5 | -50.00 | -93.75 | -200.00 |
| 2017 Q4 | -1 | -80.00 | -99.84 | -87.50 |
| 2018 Q1 | 33 | -3400.00 | 118592000.00 | -1200.00 |
| 2018 Q2 | 31 | -6.06 | -22.13 | -410.00 |
| 2018 Q3 | 14 | -54.84 | -95.84 | -380.00 |
| 2018 Q4 | 11 | -21.43 | -61.89 | -1200.00 |
| 2019 Q1 | 1 | -90.91 | -99.99 | -96.97 |
| 2019 Q2 | 7 | 600.00 | 240000.00 | -77.42 |

Panel BB: Gauteng Consumer Confidence

Source: Bureau of Economic Research, 2020

B.4 Consumer Price Index

| Panel CC: Consumer Price Index (7 | 6) |) |
|-----------------------------------|----|---|
|-----------------------------------|----|---|

| Period | Free State | Gauteng | Eastern Cape | KwaZulu Natal | Limpopo | Mpumalanga | North West | Northen Cape | Western Cape |
|----------|---------------|---------|-----------------|------------------|---------|------------|---------------|-----------------|-----------------|
| Jan 2016 | 6.80 | 6 41 | 6.24 | 6.11 | 5.92 | 5 59 | 5 94 | 5 43 | 6.10 |
| Feb 2016 | 7.43 | 7.02 | 7.57 | 6.98 | 7.59 | 6.89 | 6.46 | 6.28 | 6.98 |
| Mar 2016 | 7.00 | 6.27 | 7.16 | 6.67 | 7.61 | 6.49 | 5.94 | 5.10 | 6.44 |
| Apr 2016 | 6.71 | 6.22 | 6.96 | 6.95 | 8.20 | 6.43 | 6.11 | 4.83 | 6.17 |
| May 2016 | 6.69 | 6.08 | 7.17 | 6.70 | 8.21 | 6.30 | 6.10 | 4.82 | 5.82 |
| Jun 2016 | 6.89 | 6.28 | 7.70 | 7.00 | 7.36 | 6.05 | 6.07 | 5.46 | 6.24 |
| Jul 2016 | 6.60 | 6.11 | 7.31 | 7.03 | 7.89 | 6.12 | 6.24 | 4.86 | 6.07 |
| Aug 2016 | 6.48 | 5.89 | 7.28 | 6.82 | 7.77 | 6.00 | 6.12 | 4.75 | 5.85 |
| Sep 2016 | 7.14 | 6.11 | 7.51 | 6.91 | 8.32 | 6.45 | 6.24 | 5.09 | 5.94 |
| Oct 2016 | 7.46 | 6.31 | 7.48 | 7.11 | 8.17 | 6.87 | 6.65 | 5.73 | 6.14 |
| Nov 2016 | 7.44 | 6.62 | 7.57 | 7.54 | 8.01 | 6.97 | 6.86 | 5.71 | 6.34 |
| Dec 2016 | 7.30 | 6.50 | 7.76 | 7.53 | 8.34 | 6.95 | 6.84 | 5.60 | 7.18 |
| Jan 2017 | 6.79 | 6.45 | 7.59 | 7.25 | 8.06 | 6.46 | 6.67 | 5.67 | 7.03 |
| Feb 2017 | 6.39 | 6.04 | 6.62 | 6.95 | 6.63 | 5 41 | 6.38 | 5.08 | 7.26 |
| Mar 2017 | 5.92 | 6.00 | 6.58 | 6.25 | 6.14 | 5.06 | 5.92 | 4.85 | 6.99 |
| Apr 2017 | 5 46 | 5 24 | 5.58 | 5.26 | 4 61 | 4.30 | 4 73 | 4.30 | 6.33 |
| May 2017 | 5 24 | 5.22 | 5 77 | 5.36 | 4 72 | 4.39 | 5.03 | 4 29 | 6.54 |
| Jun 2017 | 5.01 | 5.09 | 4 90 | 4 91 | 4 81 | 4.38 | 4 50 | 3 65 | 5.97 |
| Jul 2017 | 4.37 | 4.55 | 4 67 | 3.84 | 4 16 | 3 74 | 3 44 | 3 22 | 5 41 |
| Aug 2017 | 4 56 | 4 76 | 4 15 | 4 26 | 3.96 | 3 64 | 3 54 | 3.53 | 5 73 |
| Sep 2017 | 4 44 | 4 95 | 4 76 | 4 24 | 4 25 | 3.84 | 3.95 | 4 04 | 6.32 |
| Oct 2017 | 4 23 | 4 83 | 4 64 | 4 12 | 4 13 | 3.52 | 3.52 | 3 51 | 6.29 |
| Nov 2017 | 4 22 | 4 51 | 4.32 | 3.91 | 3.61 | 3.51 | 3.31 | 3 50 | 5.96 |
| Dec 2017 | 4 10 | 4 80 | 4 60 | 4 10 | 4 10 | 3.80 | 3 30 | 3.80 | 5.30 |
| Jan 2018 | 3.87 | 4.37 | 4 17 | 3 78 | 3.68 | 3.58 | 2.88 | 3.68 | 5.17 |
| Feb 2018 | 3.84 | 4 03 | 4 04 | 3 25 | 3 55 | 3 25 | 2.75 | 3 55 | 4 71 |
| Mar 2018 | 3.63 | 3.91 | 3.82 | 3.14 | 2.94 | 3.24 | 2.75 | 3.44 | 4.39 |
| Apr 2018 | 4 01 | 4 59 | 4.50 | 3 72 | 3 53 | 3.83 | 3 43 | 4.03 | 5 27 |
| May 2018 | 4 20 | 4 47 | 3 99 | 3.81 | 3.62 | 3.52 | 3.32 | 3.82 | 5.16 |
| Jun 2018 | 4.58 | 4.55 | 4 28 | 3 70 | 3.61 | 3 71 | 3.62 | 4 11 | 5 44 |
| Jul 2018 | 4 77 | 5 22 | 4 47 | 4 48 | 4 00 | 4 10 | 4 21 | 4 10 | 5.91 |
| Aug 2018 | 4.36 | 5.22 | 4 67 | 4 18 | 4.30 | 4 00 | 4 00 | 3.89 | 5.81 |
| Sep 2018 | 4 55 | 5.10 | 4 54 | 4 26 | 3.88 | 4 77 | 4 19 | 4 27 | 5.56 |
| Oct 2018 | 4 73 | 5 28 | 4 92 | 4 44 | 3.97 | 5.05 | 4 37 | 4 46 | 5 44 |
| Nov 2018 | 4 72 | 5.37 | 4 91 | 4 53 | 4 26 | 4 84 | 4.37 | 4 44 | 5.72 |
| Dec 2018 | 4 42 | 4.58 | 3.92 | 3.84 | 3 55 | 4.05 | 3.48 | 4.05 | 5.22 |
| Jan 2019 | 4 11 | 4 09 | 3.62 | 3 64 | 3 45 | 3 74 | 3.28 | 3 74 | 4 64 |
| Feb 2019 | 4.08 | 4 15 | 3.98 | 3.62 | 3 72 | 4 01 | 3 25 | 3 71 | 4 69 |
| Mar 2019 | 4 64 | 4 32 | 3.96 | 4.09 | 4 76 | 4 38 | 3.82 | 4 38 | 5.51 |
| Apr 2019 | 4.51 | 4.20 | 3.84 | 3.87 | 4 45 | 4.26 | 3.89 | 4.15 | 5.19 |
| May 2019 | 4 40 | 4.38 | 3 93 | 3.95 | 5.01 | 4 44 | 3 78 | 4 25 | 5.37 |
| Jun 2019 | 3.91 | 4 26 | 3.92 | 4 04 | 4 71 | 4.33 | 3.87 | 4.33 | 5.35 |
| Jul 2019 | 3.90 | 3 76 | 3.81 | 3 73 | 4 69 | 4.12 | 3.57 | 4.50 | 4.85 |
| Aug 2019 | 4 18 | 4 13 | 4 00 | 4 10 | 4.68 | 4 41 | 3.85 | 4 59 | 4 94 |
| Sep 2019 | 3.98 | 4.03 | 3 70 | 4.00 | 4.76 | 3 71 | 3.55 | 4.09 | 4 63 |
| Oct 2019 | 3.69 | 3.56 | 3.12 | 3.61 | 4.47 | 3.33 | 3.17 | 3.80 | 4.25 |
| Nov 2019 | 3 59 | 3.37 | 3 21 | 3 41 | 4.08 | 3 51 | 3 26 | 3 52 | 4.06 |
| Dec 2019 | 3 77 | 3.92 | 3.68 | 3 70 | 4 73 | 3.89 | 3.93 | 3.98 | 4 42 |
| Jan 2020 | 4.04 | 4 39 | 3.96 | 3.97 | 4 73 | 4 16 | 4 11 | 4 44 | 5.06 |
| Feb 2020 | 4.04 | 4.03 | 3.92 | 4.32 | 4.60 | 4.13 | 4 17 | 4.68 | 5.00 |
| Mar 2020 | 3 71 | 4.05 | 3 72 | 4.02 | 3.64 | 3.83 | 3.77 | 4.00 | 4 78 |
| Apr 2020 | 9 70 | 9.78 | 9.12 | 3.00 | 9.04 | 2 79 | 2.56 | 3.08 | 3.61 |
| May 2020 | 2.06 | 1.69 | 1.89 | 2.17 | 1.62 | 1.90 | 1.73 | 2.45 | 2.64 |

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