



MINISTRY OF ECONOMY

Macroeconomic Outlook

December 2019

12/6/2019



Secretaria
de Política
Econômica

SECRETARIA ESPECIAL DE
FAZENDA

MINISTÉRIO DA
ECONOMIA



PÁTRIA AMADA
BRASIL
GOVERNO FEDERAL

Macroeconomic Outlook is a report prepared by the Secretariat of Economic Policy (SPE) with the most relevant economic data and forecasting about Brazil.

This report does not constitute any indication of prospective policy decisions or delimits the operational area of the Ministry of Economy.

Data valid up to the date of the report.

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Highlights

Macroeconomic Parameters					
Year	Gross Domestic Product				
	Nominal		Real		Deflator
	<i>BRL million</i>	<i>Chg. %</i>	<i>Chg. %</i>	<i>Per Capita chg. %</i>	<i>Chg. %</i>
2013	5,331,618	10.73	3.01	2.14	7.50
2014	5,778,954	8.39	0.50	-0.35	7.87
2015	5,995,787	3.75	-3.55	-4.38	7.62
2016	6,267,205	4.53	-3.30	-4.10	8.07
2017	6,553,843	4.57	1.06	0.26	3.47
2018	6,827,586	4.18	1.12	0.30	3.02
2019	7,159,610	4.86	0.90	0.10	3.93
2020	7,618,412	6.41	2.32	1.54	4.00
2021	8,134,426	6.77	2.50	1.75	4.17
2022	8,689,519	6.82	2.50	1.78	4.22
2023	9,275,103	6.74	2.50	1.81	4.14

Source: SPE/ME. Macroeconomic Parameters, October-2019.

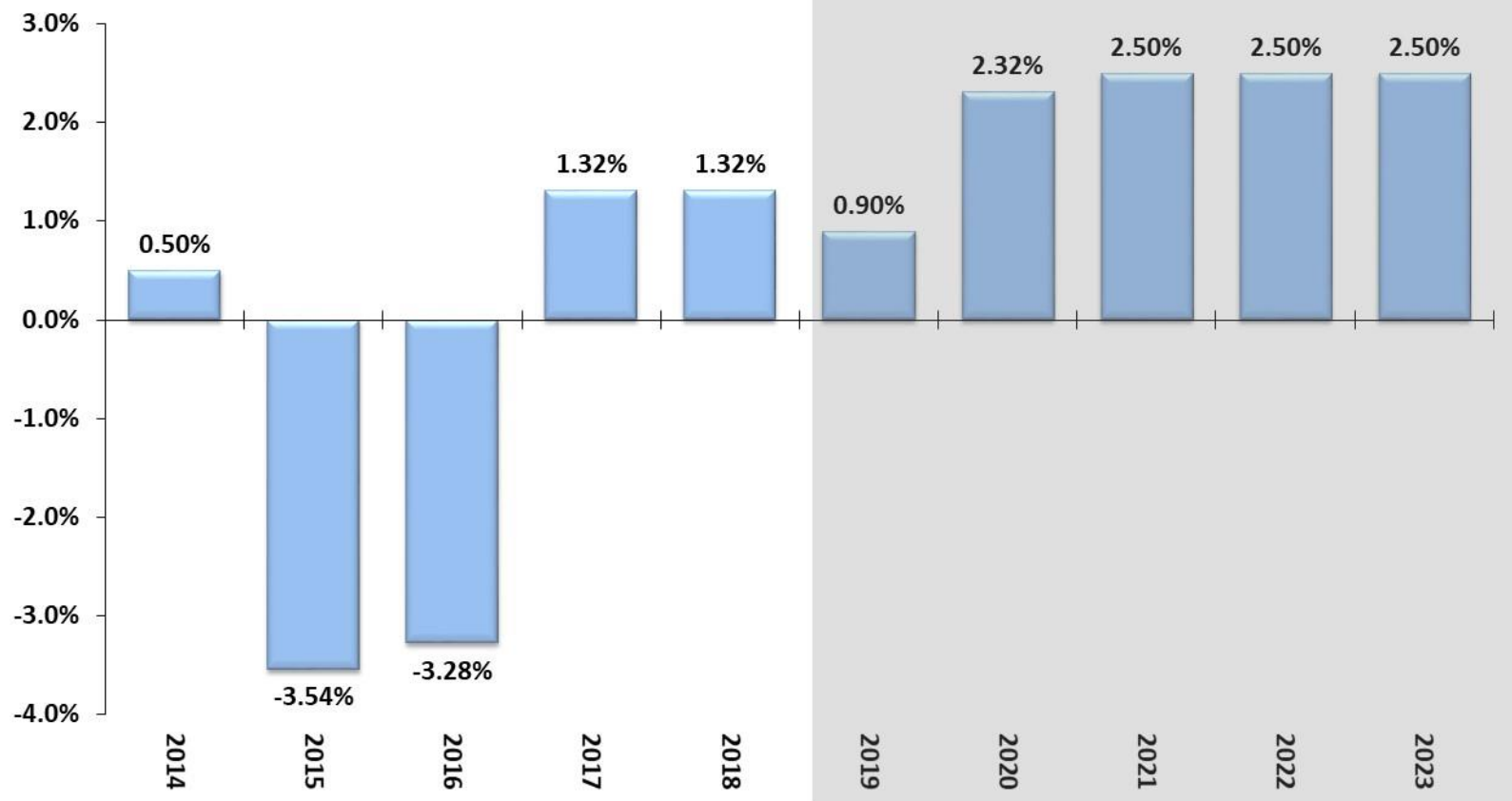
Macroeconomic Parameters						
Year	Industrial Activity - Annual chg. %					
	Manufacturing		Beverages		Vehicles	
	Production				Domestic Wholesale	
	Price	Quantity	Price	Quantity	Price	Quantity
2013	5.97	2.80	6.69	-2.10	1.19	1.54
2014	6.06	-4.17	6.95	1.29	3.40	-5.87
2015	6.98	-9.84	10.67	-4.76	4.10	-25.21
2016	8.04	-5.99	7.59	-3.09	6.09	-17.53
2017	1.75	2.25	4.34	0.77	4.26	12.31
2018	8.35	1.09	2.67	0.87	3.30	13.04
2019	4.08	0.42	3.06	2.25	3.17	9.93
2020	4.25	3.07	5.15	2.46	3.41	8.54
2021	5.18	3.08	5.90	2.49	3.31	6.18
2022	4.59	2.99	5.82	2.49	2.90	6.53
2023	4.14	2.98	5.83	2.60	2.64	7.84

Source: SPE/ME. Macroeconomic Parameters, October-2019.

Macroeconomic Parameters						
Year	Labor Force	Formal Jobs in Private Sector				
		Employed Population	Earnings		Wage Bill	
			Nominal	Real	Nominal	Real
	Chg. % accum. In 4-trimesters					
2014	1.14	3.56	8.77	2.26	12.61	5.89
2015	1.91	-2.45	8.06	-0.91	5.40	-3.33
2016	1.45	-3.89	7.57	-1.09	3.39	-4.95
2017	1.77	-2.71	5.71	2.23	2.86	-0.54
2018	0.86	-1.16	3.71	-0.06	2.51	-1.21
2019	1.62	0.90	3.23	-0.36	4.17	0.54
2020	1.34	2.05	4.12	0.74	6.26	2.80
2021	1.23	2.29	4.48	0.78	6.87	3.09
2022	1.14	2.69	4.53	0.89	7.33	3.60
2023	1.11	2.79	4.42	0.89	7.33	3.71

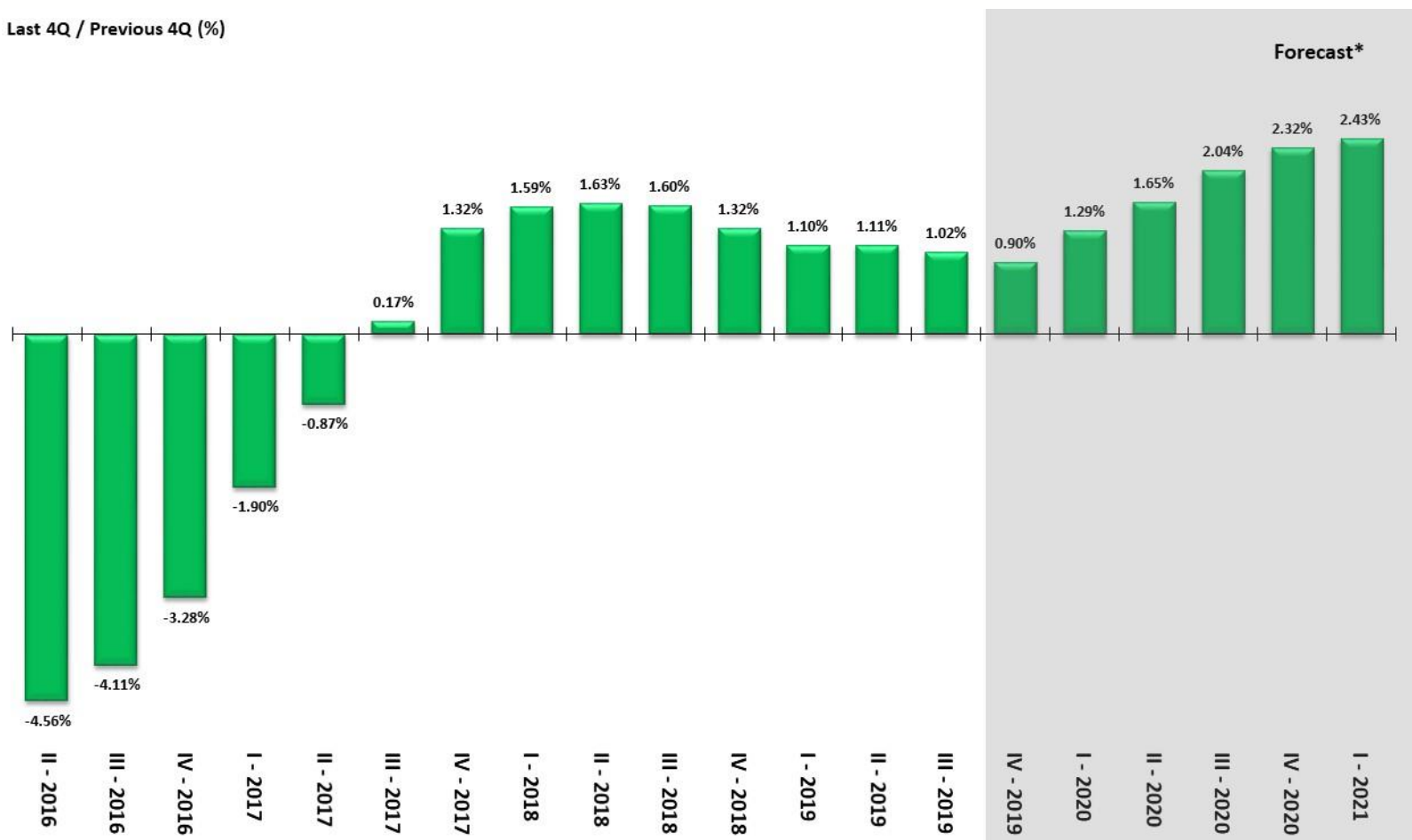
Source: SPE/ME. Macroeconomic Parameters, October-2019.

Last 4Q / Previous 4Q (%)



Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, October-2019.

Last 4Q / Previous 4Q (%)



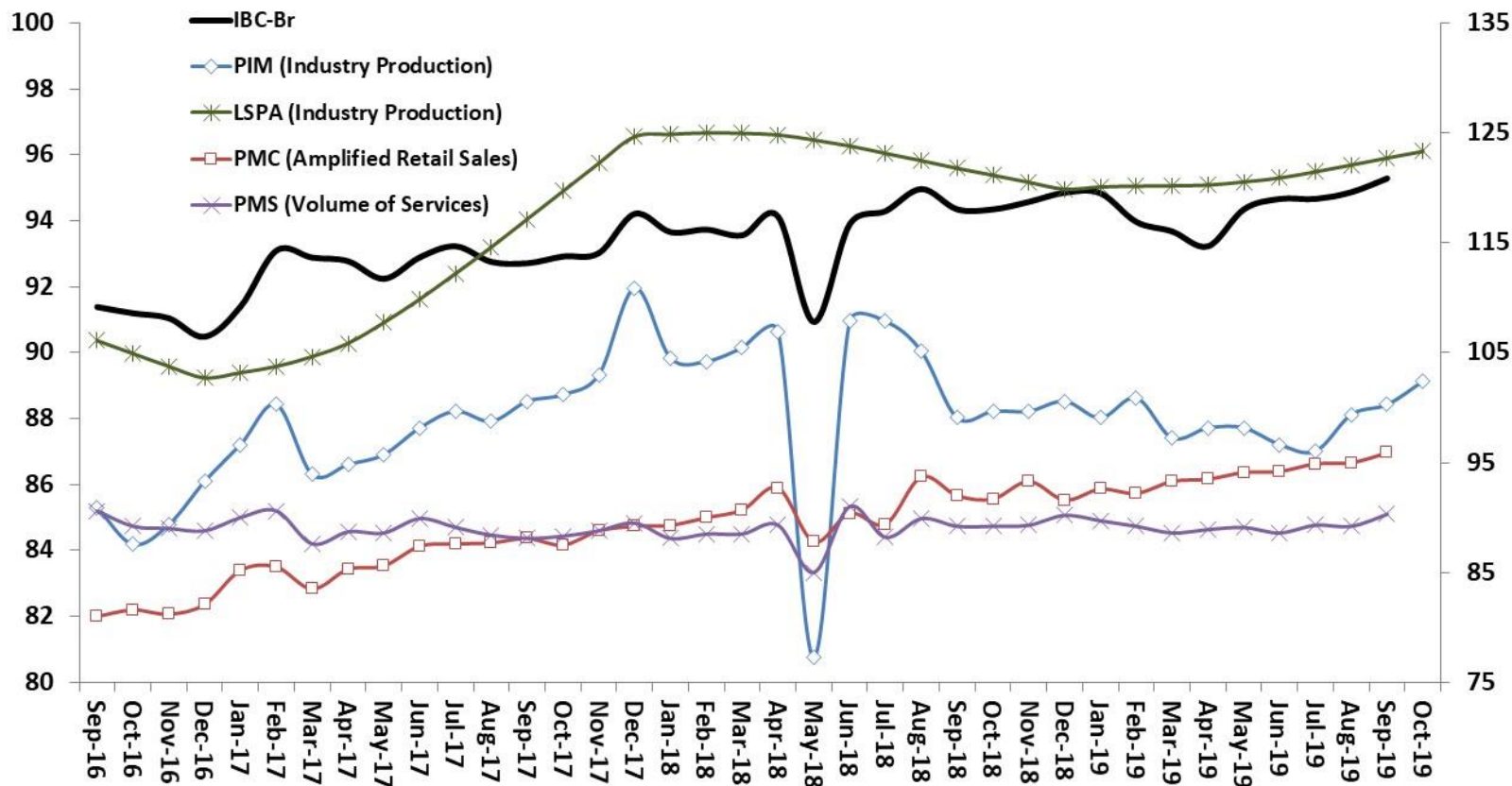
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, October-2019.

Major Monthly Economic Activity Indicators

HIGHLIGHTS

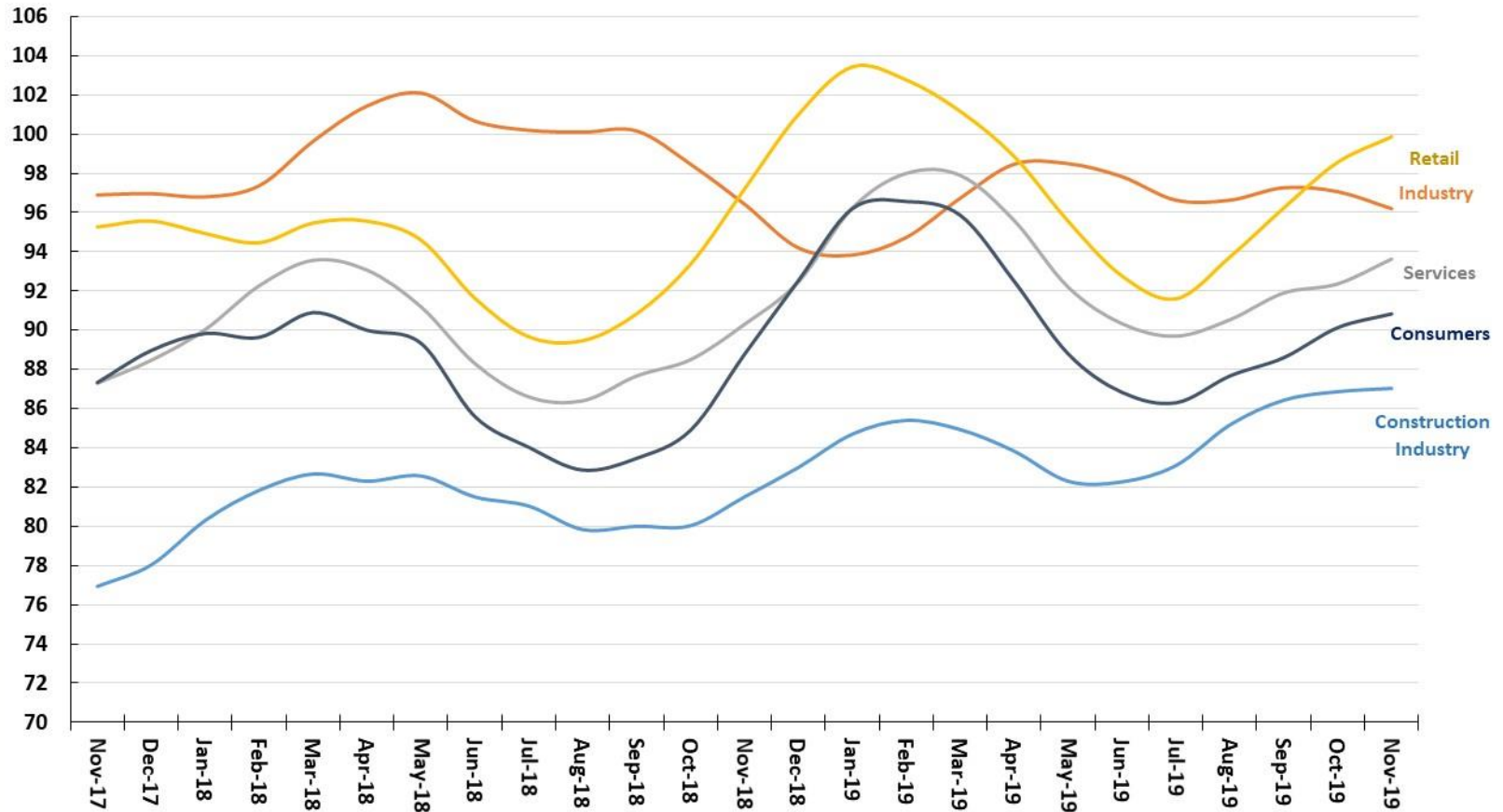
IBC-Br, Grain Harvest (12-mo MA) and Industry Production
Seasonally Adjusted Index (2014 = 100)

Amplified Retail Sales and Volume of Services
Seasonally Adjusted Index (2014 = 100)



Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

Economic Confidence Indicators
3-month moving average



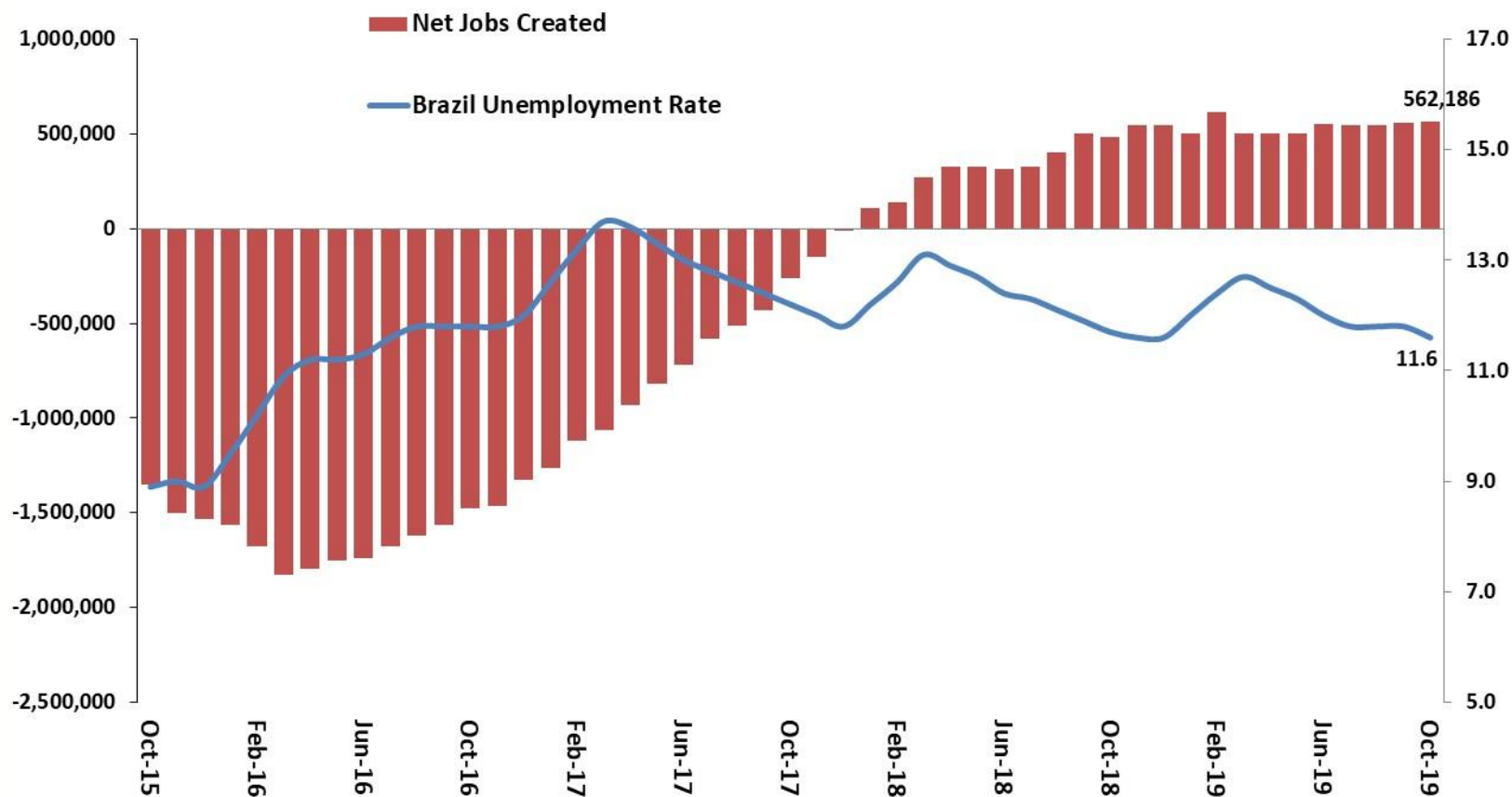
Source: IBRE/FGV.

Unemployment Rate and Net Formal Job Creation

HIGHLIGHTS

Net Formal Jobs Creation
12-Month Accumulated Figures

Brazil Unemployment Rate
% of Labor Force



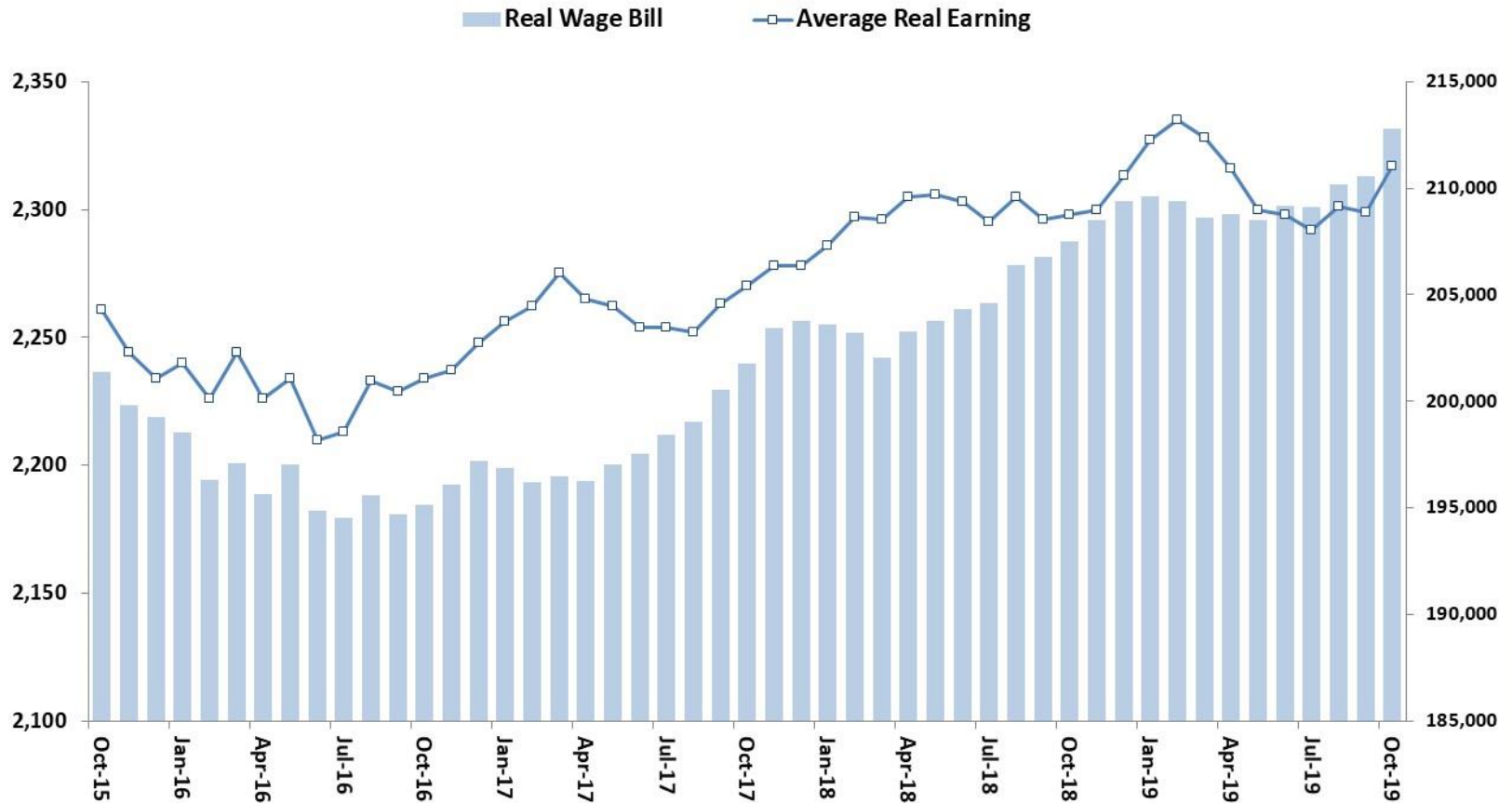
Sources: IBGE - PNADC, SEADE-PED and ME-CAGED (adjusted data).

Real Wage Bill and Average Real Earning

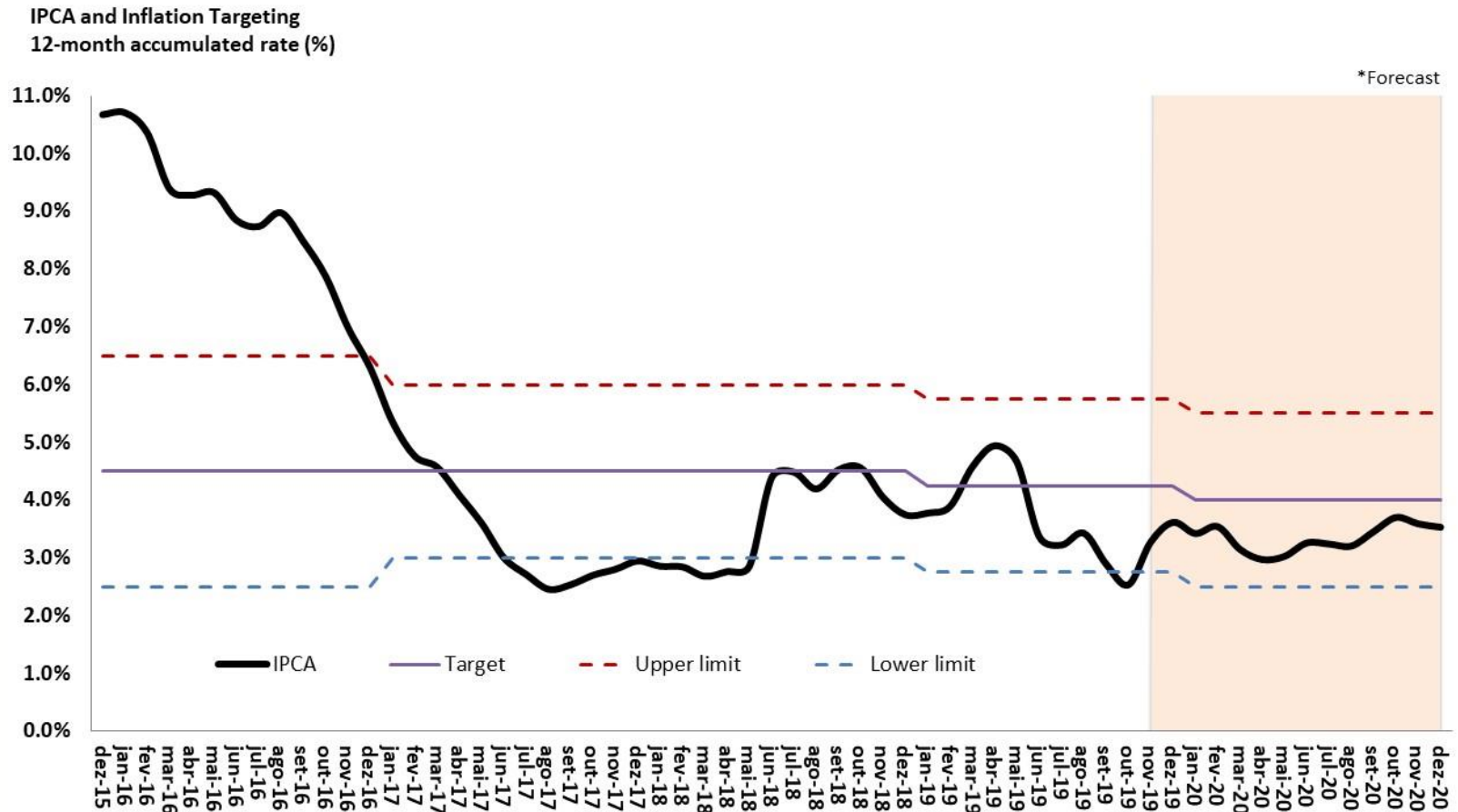
HIGHLIGHTS

Average Real Earning
R\$ of last month

Real Wage Bill
R\$ millions of last month



Source: IBGE - PNADC.

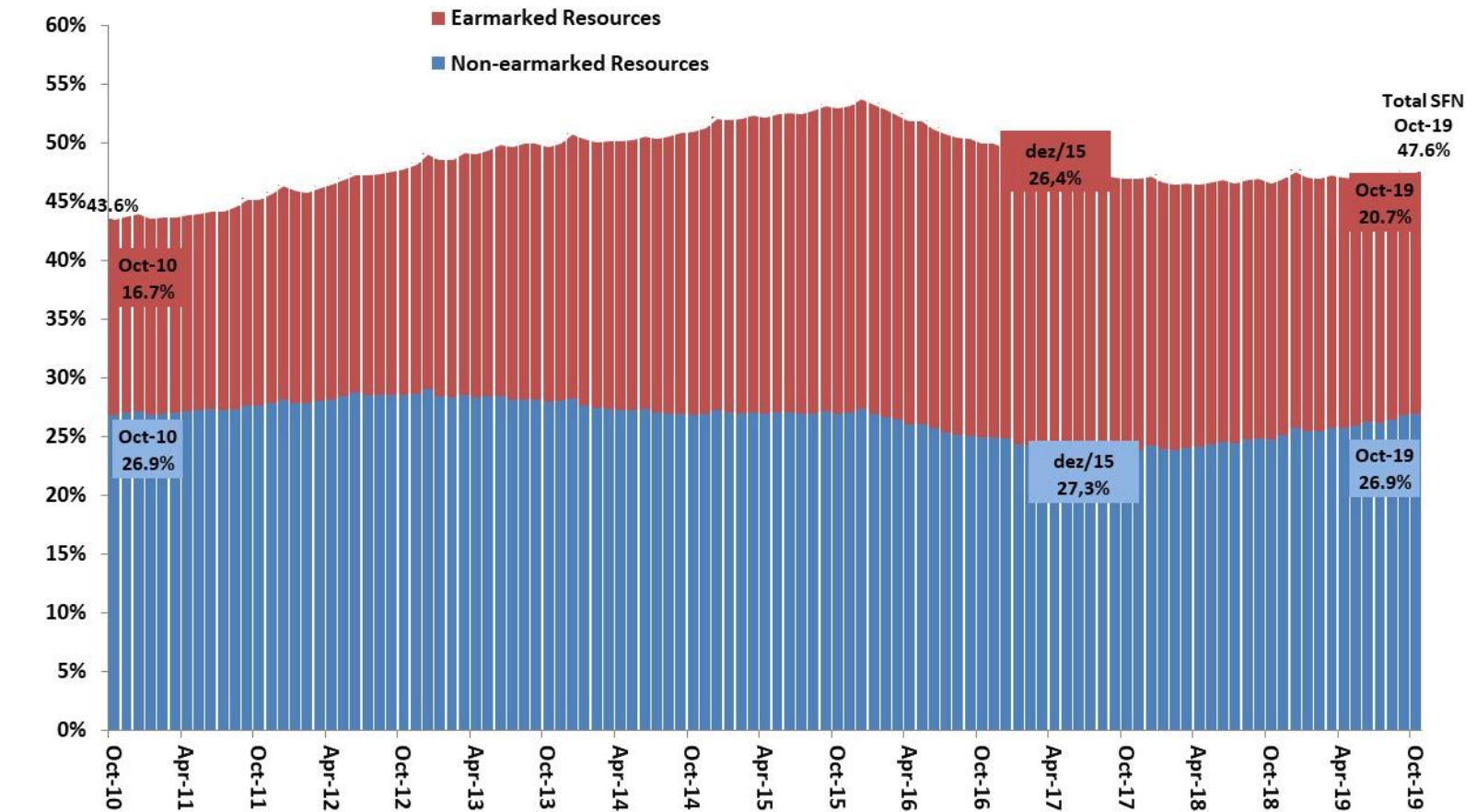


Source: IBGE and Central Bank of Brazil. *Forecast: Macroeconomic Parameters, October-2019.

Total Credit: Earmarked and Non-earmarked Resources

CREDIT MARKET

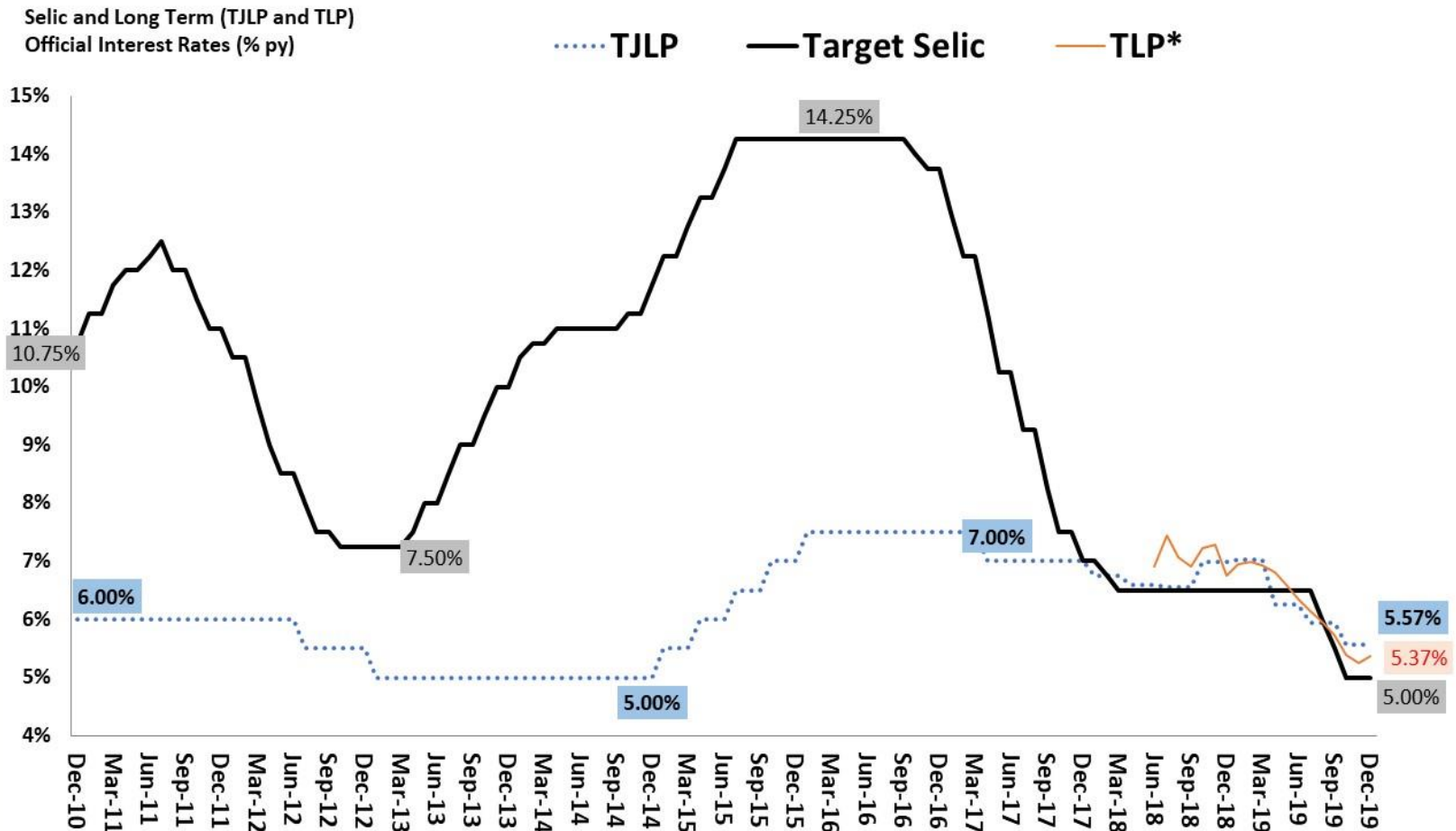
Total Outstanding Credit in National Financial System (SFN)
% of GDP



Source: Central Bank of Brazil.

Official Interest Rates Evolution (Target Selic and TJLP)

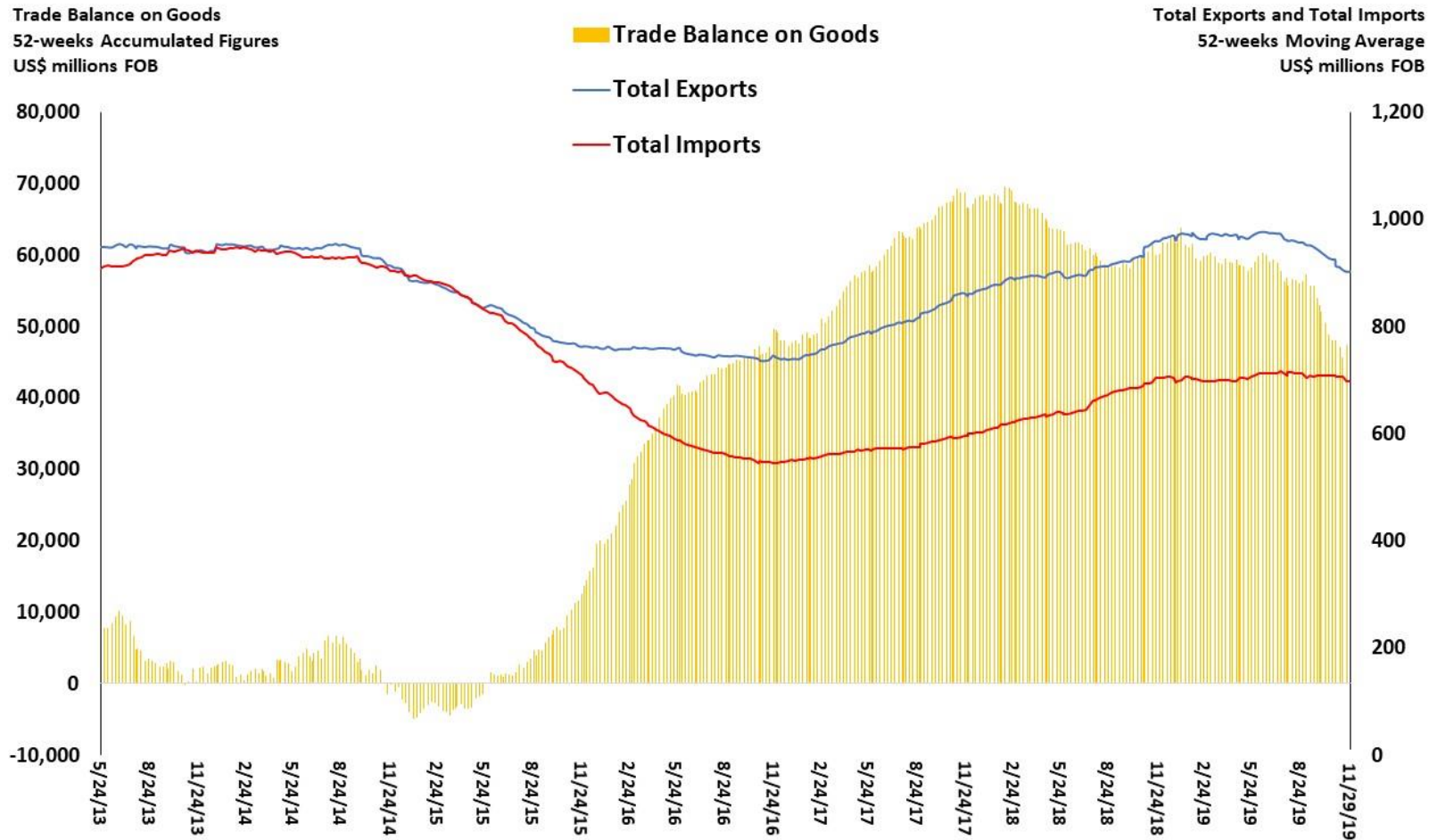
HIGHLIGHTS



Source: Central Bank of Brazil. *TLP is 3-Month average of 5-Year NTN-B bonds plus IPCA Market Expectation (Focus Survey by BCB).

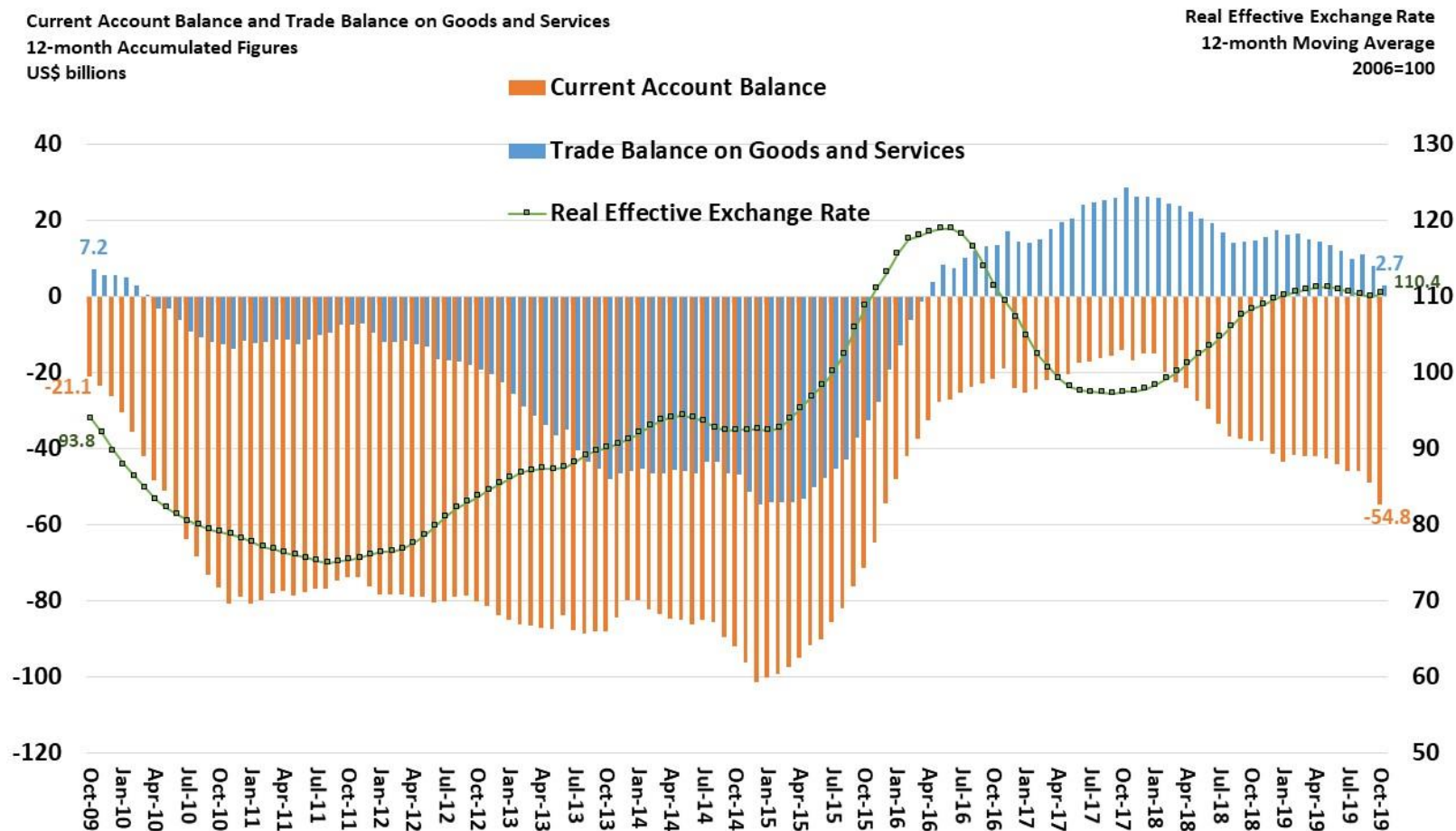
Trade Balance on Goods (52 weeks daily average)

HIGHLIGHTS

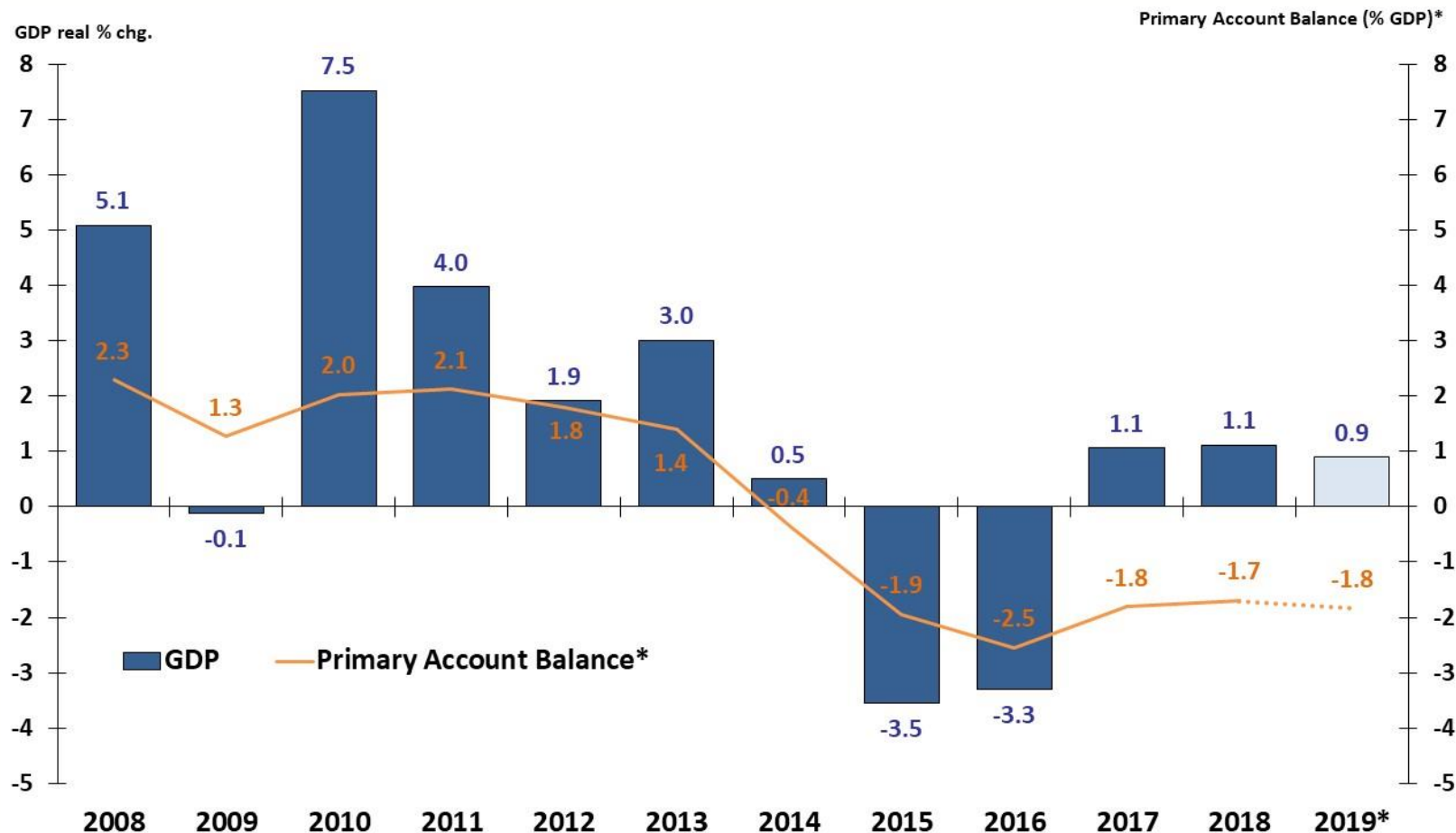


Brazil: Real Exchange Rate and External Sector Adjustment

EXTERNAL SECTOR



Source: Central Bank of Brazil.

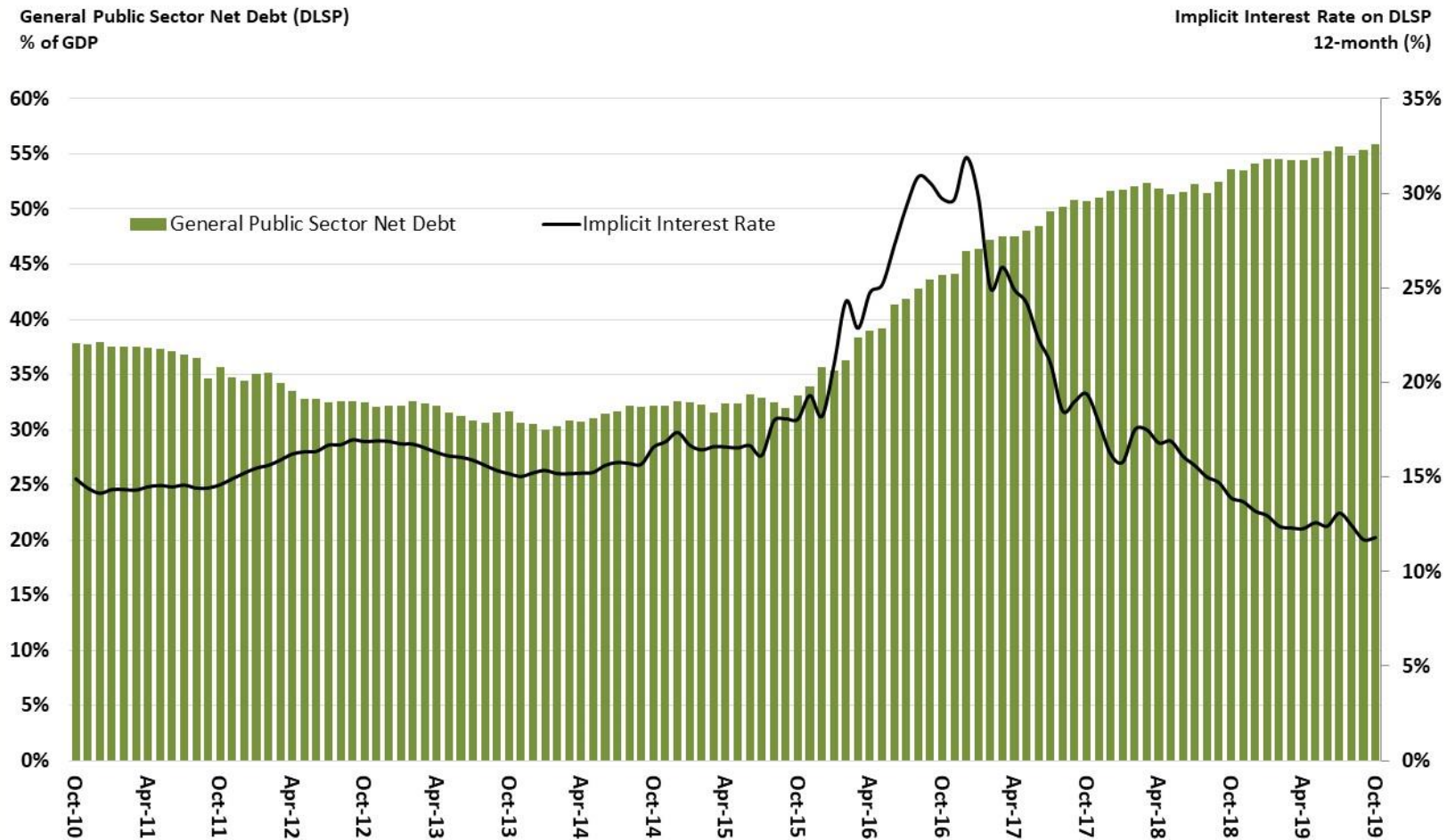


Source: IBGE, STN and Central Bank of Brazil. Primary Account Balance of Federal Government.

* Annex IV-Fiscal Targets of 2019 Budgetary Guidelines Bill of Law 2020 and Macroeconomic Projections from SPE, October-19

Public Sector Net Debt (as % GDP)

HIGHLIGHTS



Source: Central Bank of Brazil.

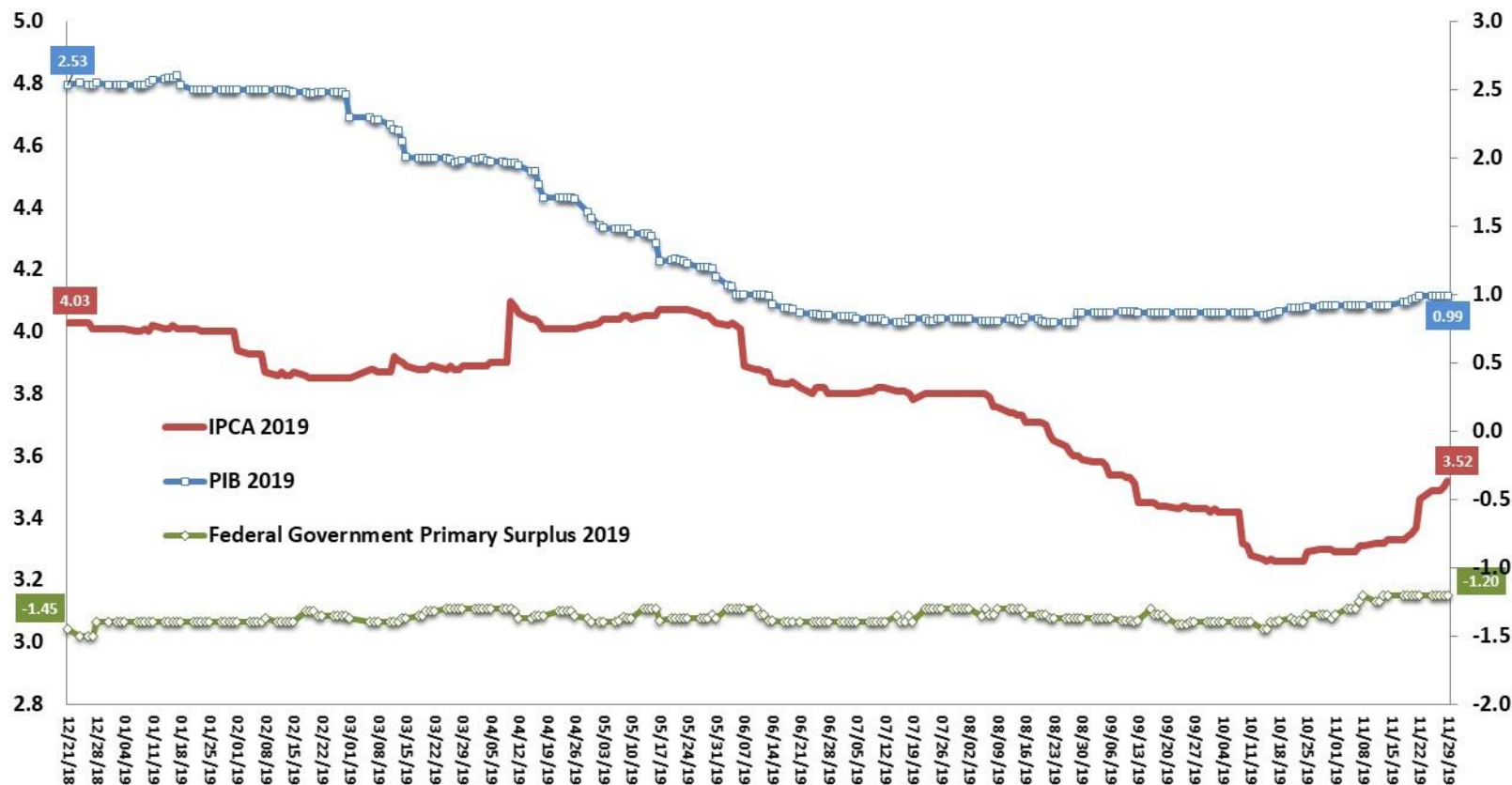
Market Expectations

Market Expectations for 2019

MARKET EXPECTATIONS

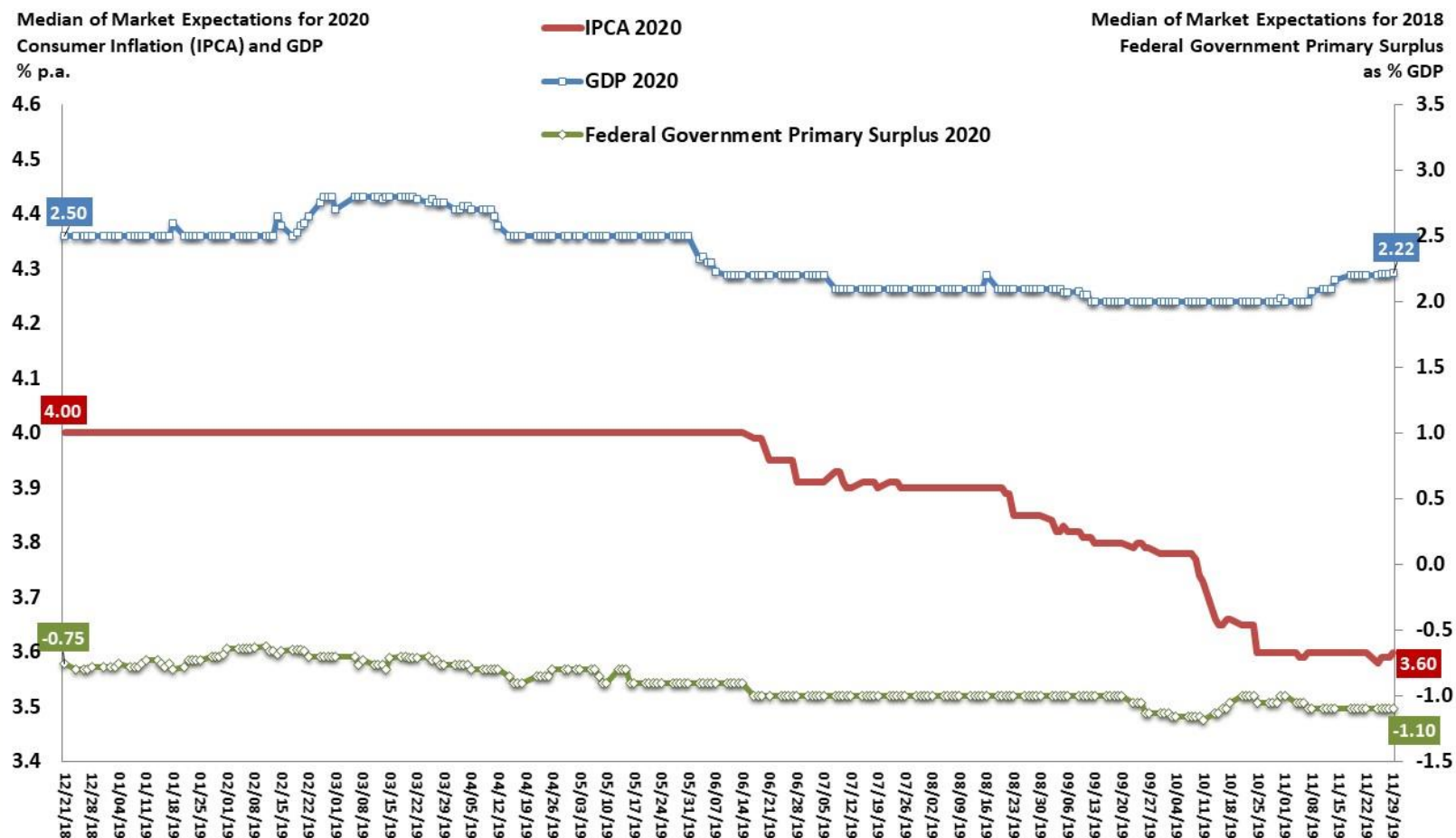
Median of Market Expectations for 2019
Consumer Inflation (IPCA) and GDP
% p.a.

Median of Market Expectations for 2019
Federal Government Primary Surplus
as % GDP



Source: Focus Survey, Central Bank of Brazil.

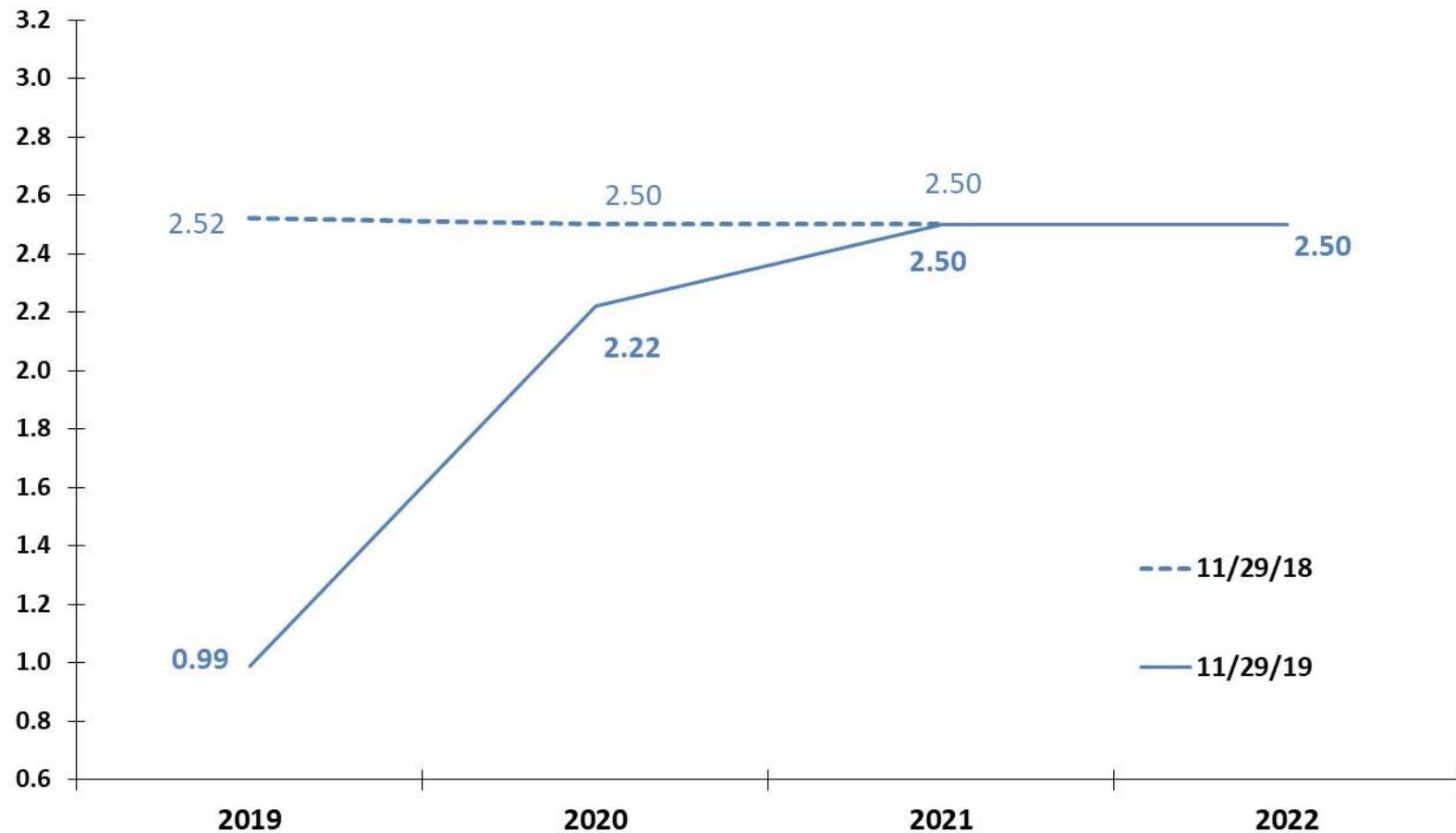
Market Expectations for 2020



Source: Focus Survey, Central Bank of Brazil.

GDP: Median of Market Expectations

Real GDP chg. (%) - Median of Market Expectations

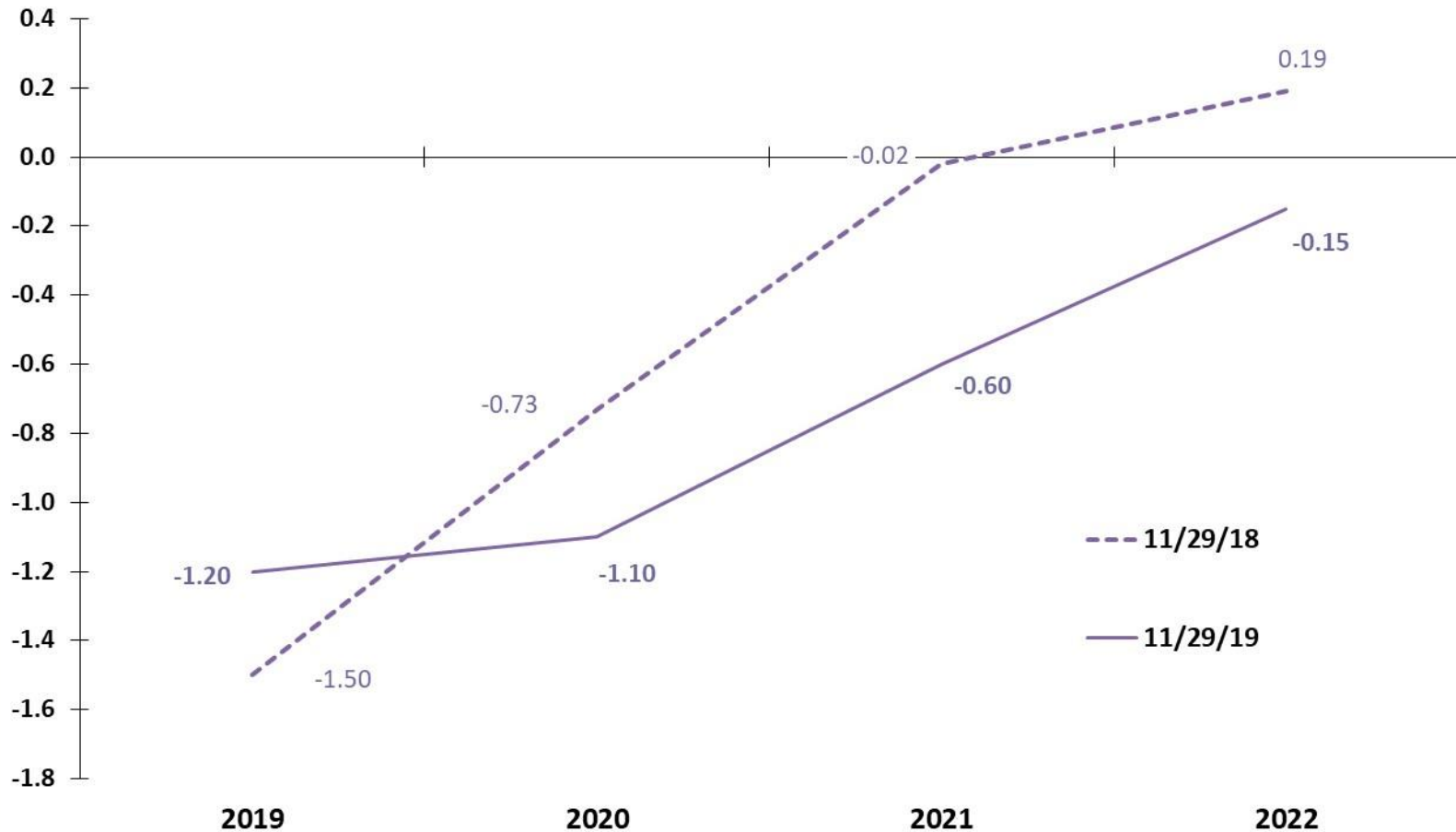


Source: Focus Survey, Central Bank of Brazil.

Primary Surplus: Median of Market Expectations

MARKET EXPECTATIONS

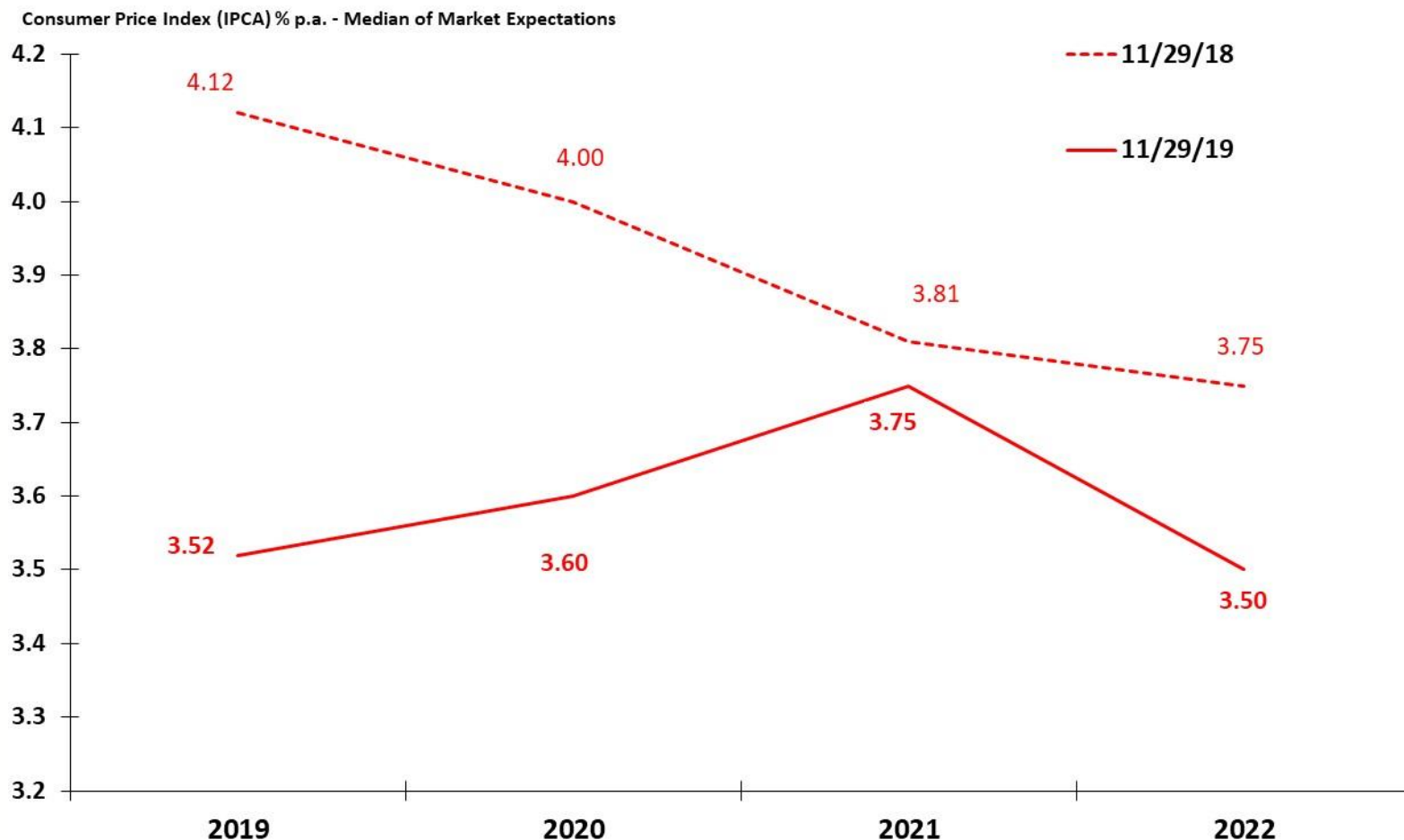
Federal Government Primary Surplus (%) - Median of Market Expectations



Source: Focus Survey, Central Bank of Brazil.

Consumer Price Index (IPCA): Median of Market Expectations

MARKET EXPECTATIONS

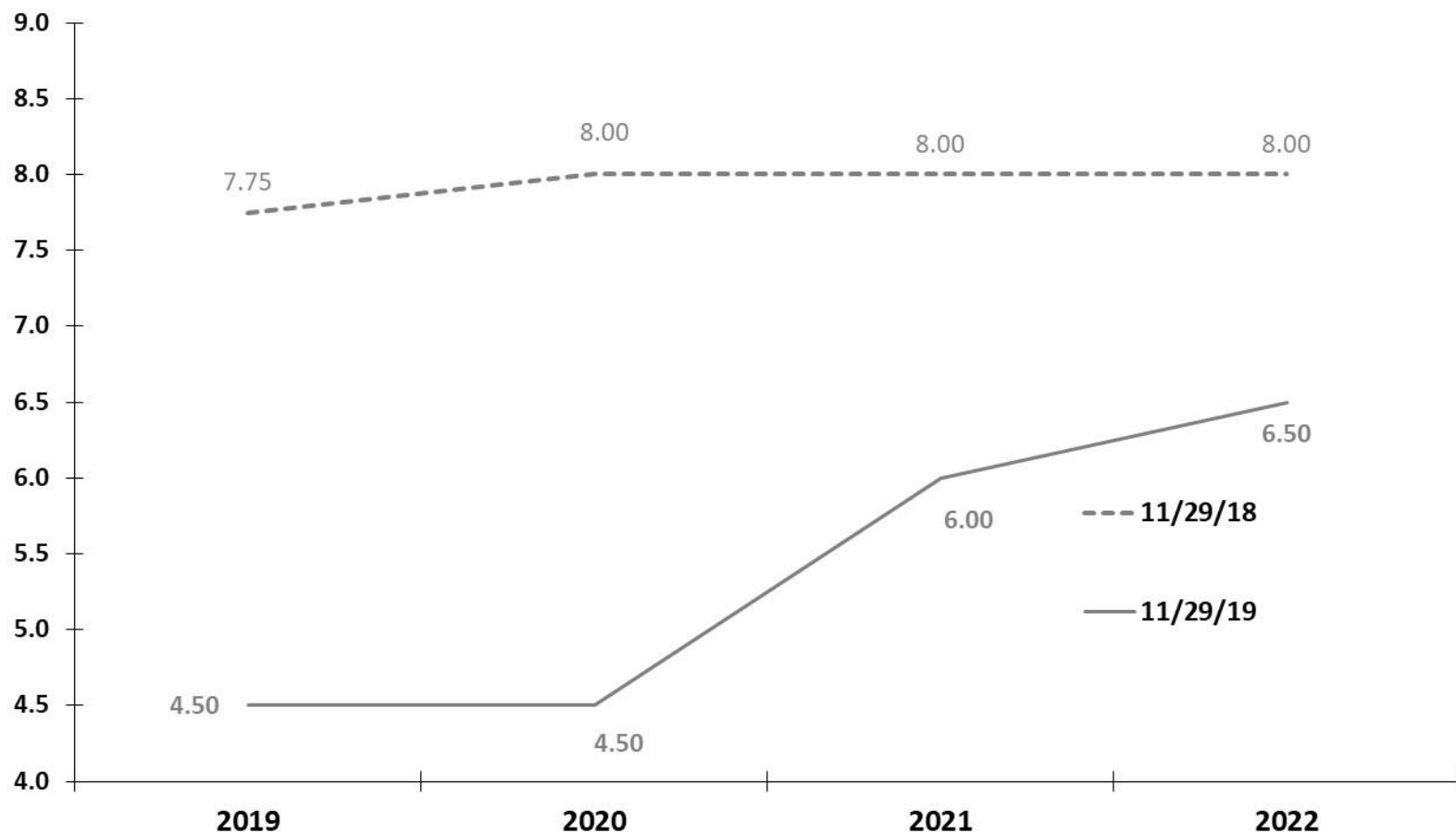


Source: Focus Survey, Central Bank of Brazil.

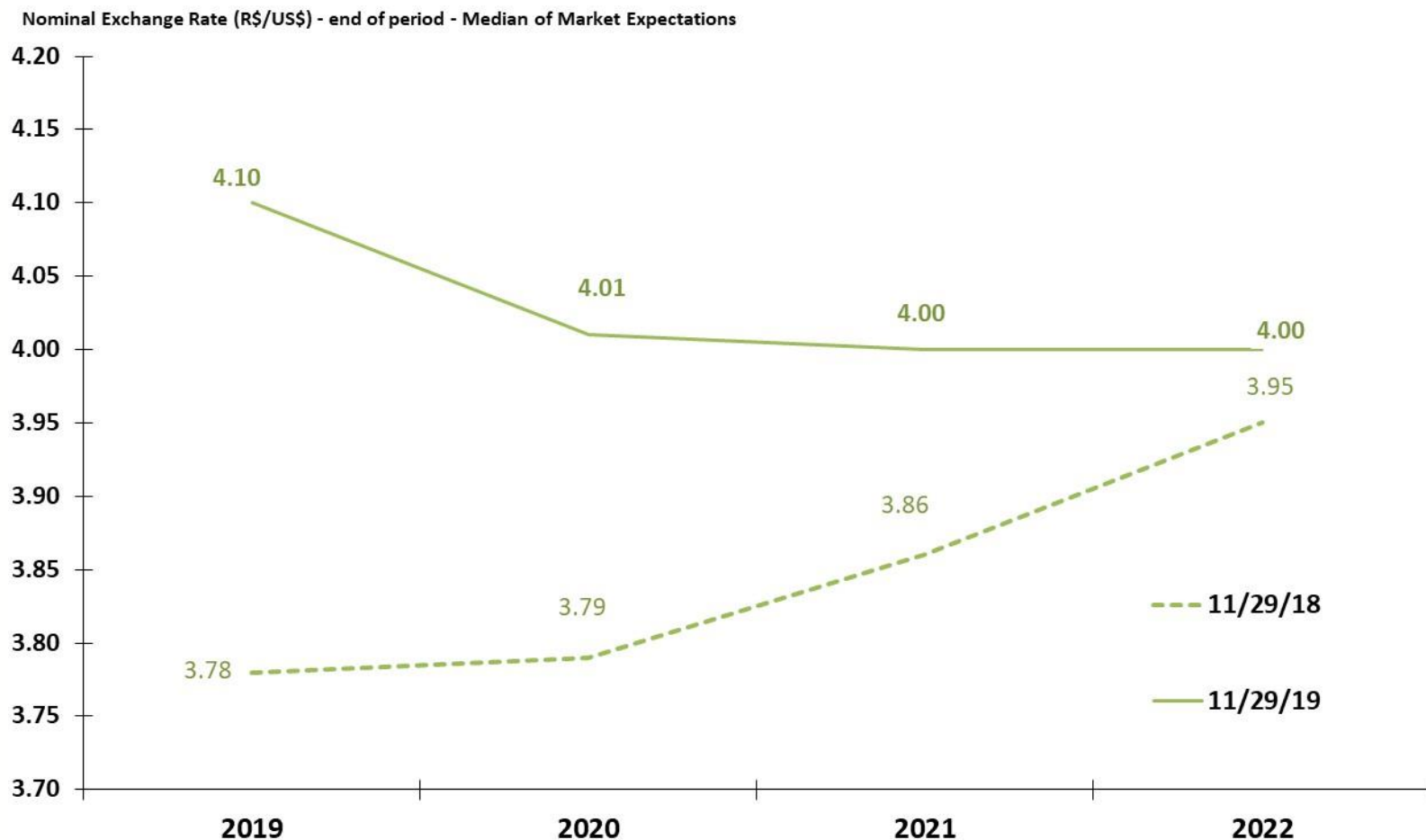
Main Interest Rate (Selic target): Median of Market Expectations

MARKET EXPECTATIONS

Main Interest Rate (Selic target) - % p.a. end of period - Median of Market Expectations



Source: Focus Survey, Central Bank of Brazil.



Source: Focus Survey, Central Bank of Brazil.

Economic activity

GDP and Quarterly Economic Activity

ECONOMIC ACTIVITY

												BCB/Focus: 11/29/19		
Gross Domestic Product (IBGE)	Q3 2019													
	% change	2017	2018	Q2 2019 / Q2 2018	Q3 2019 / Q3 2018	Q2 2019 / Q1 2019 (seasonally adjusted)	Q3 2019 / Q2 2019 (seasonally adjusted)	Year-To-Date	Q2 2019 accum. in 4-quarters	Q3 2019 accum. in 4-quarters	carry-over 2019	2019	2020	2021
Agriculture		14.2%	1.4%	1.4%	2.1%	-0.5%	1.3%	1.4%	2.7%	2.0%	1.7%	0.97%	3.00%	3.00%
Industry		-0.5%	0.5%	0.3%	1.0%	0.7%	0.8%	0.1%	-0.1%	0.0%	0.4%	0.22%	2.50%	2.60%
Services		0.8%	1.5%	1.1%	1.0%	0.2%	0.4%	1.1%	1.2%	1.1%	1.1%	1.20%	1.20%	1.20%
GDP (market prices)		1.3%	1.3%	1.1%	1.2%	0.5%	0.6%	1.0%	1.1%	1.0%	1.0%	0.99%	2.22%	2.50%
Household Expenditure		2.0%	2.1%	1.8%	1.9%	0.2%	0.8%	1.8%	1.6%	1.7%	1.7%			
Government Expenditure		-0.7%	0.4%	-0.7%	-1.4%	-0.3%	-0.4%	-0.7%	-0.1%	-0.8%	-0.6%			
Gross Fixed Capital Formation		-2.6%	3.9%	5.4%	2.9%	3.0%	2.0%	3.1%	4.3%	3.0%	3.5%			
Exports of Goods and Services		4.9%	4.0%	1.3%	-5.5%	-2.0%	-2.8%	-2.0%	3.4%	1.3%	-3.7%			
Imports of Goods and Services (-)		6.7%	8.3%	4.9%	2.2%	0.7%	2.9%	1.6%	5.3%	2.4%	2.4%			
Economic Activity Indicators (BCB and IBGE)	Q3 2019													
	% change	2017	2018	Q2 2019 / Q2 2018	Q3 2019 / Q3 2018	Q2 2019 / Q1 2019 (seasonally adjusted)	Q3 2019 / Q2 2019 (seasonally adjusted)	Year-To-Date	Q2 2019 accum. in 4-quarters	Q3 2019 accum. in 4-quarters	carry-over 2019	2019	2020	2021
IBC-Br Economic Activity Index*		0.9%	1.2%	1.0%	1.0%	-0.1%	0.9%	1.0%	1.1%	1.0%	0.6%			
LSPA: Grain Harvest		30.8%	-6.0%	-6.0%	1.0%	0.3%	1.3%	1.6%	-6.0%	1.0%	3.8%			
PIM: Industrial Production		2.5%	1.0%	-2.0%	-0.8%	-0.3%	-0.5%	-1.3%	-0.1%	-0.7%	-1.1%			
PMC: Amplified Retail Sales		4.0%	5.0%	2.4%	4.0%	0.5%	1.3%	3.6%	3.9%	3.7%	3.6%			
PMS: Volume of Services		-2.8%	0.0%	1.1%	0.1%	-0.4%	-0.3%	0.7%	0.6%	0.7%	0.5%			

LSPA: Systematic Survey of Agricultural Production (IBGE)

PIM: Monthly Survey of Industry (IBGE)

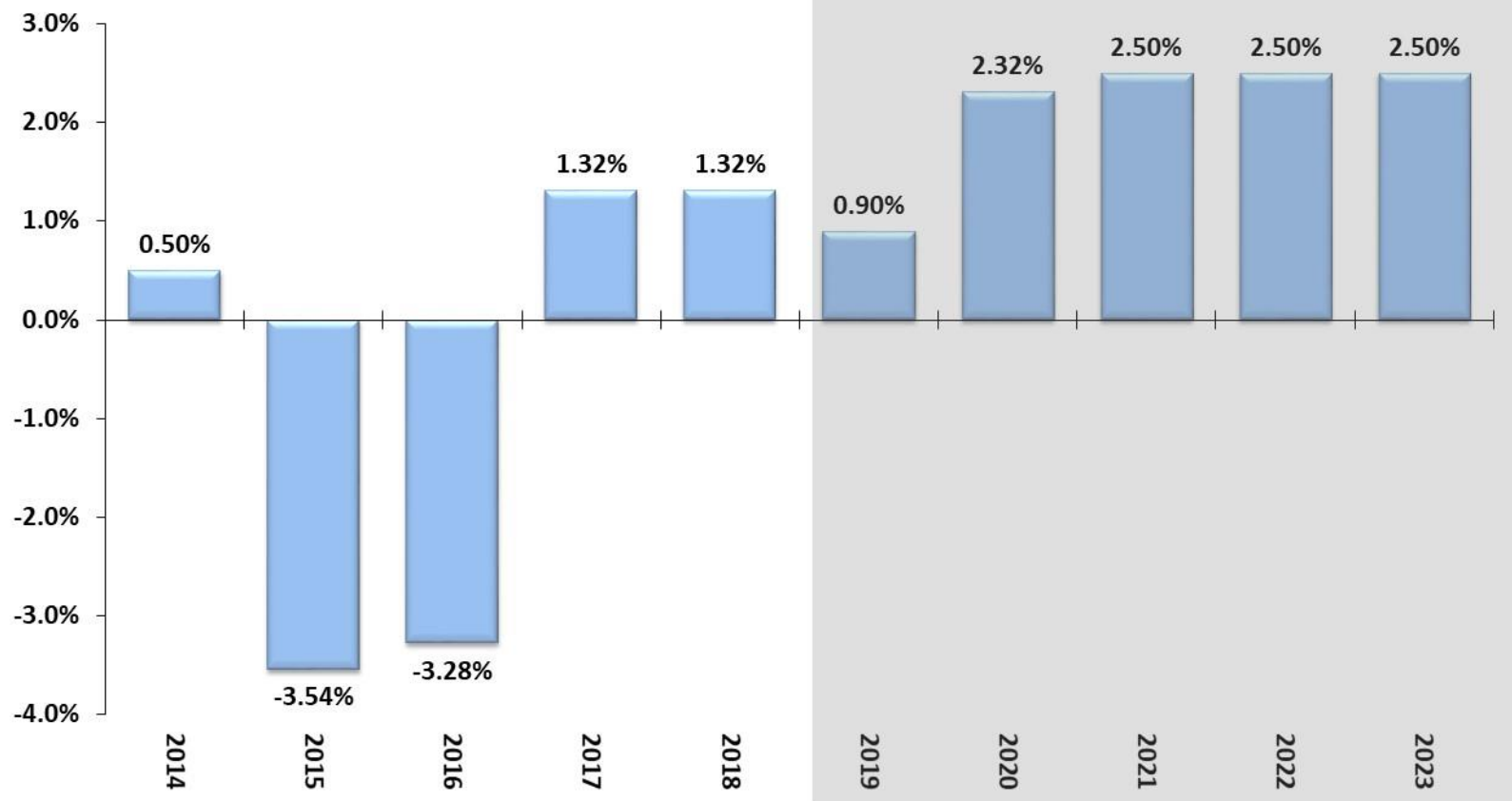
PMC: Monthly Survey of Trade (IBGE)

PMS: Monthly Survey of Services (IBGE)

Macroeconomic Parameters					
Year	Gross Domestic Product				
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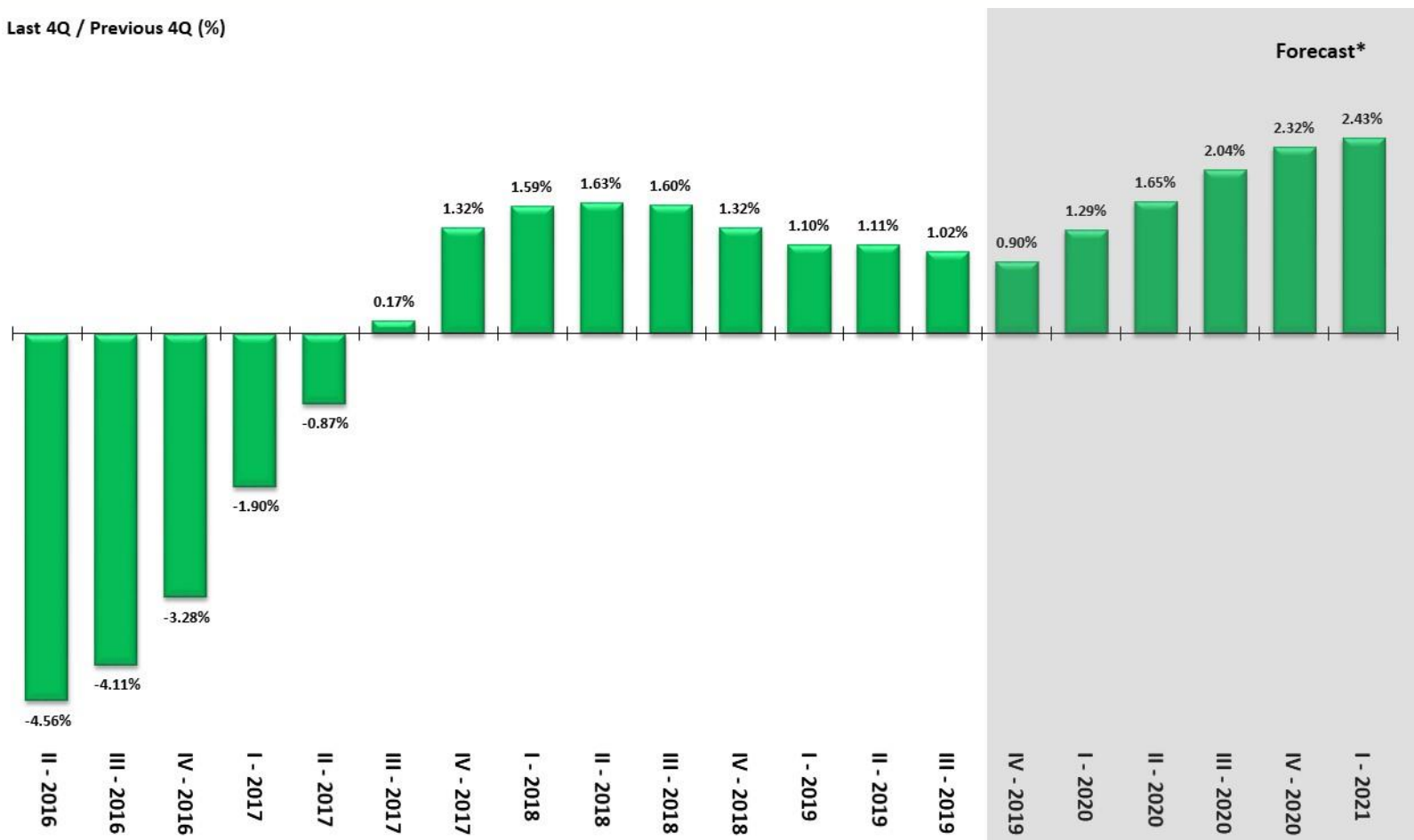
Source: SPE/ME. Macroeconomic Parameters, October-2019.

Last 4Q / Previous 4Q (%)



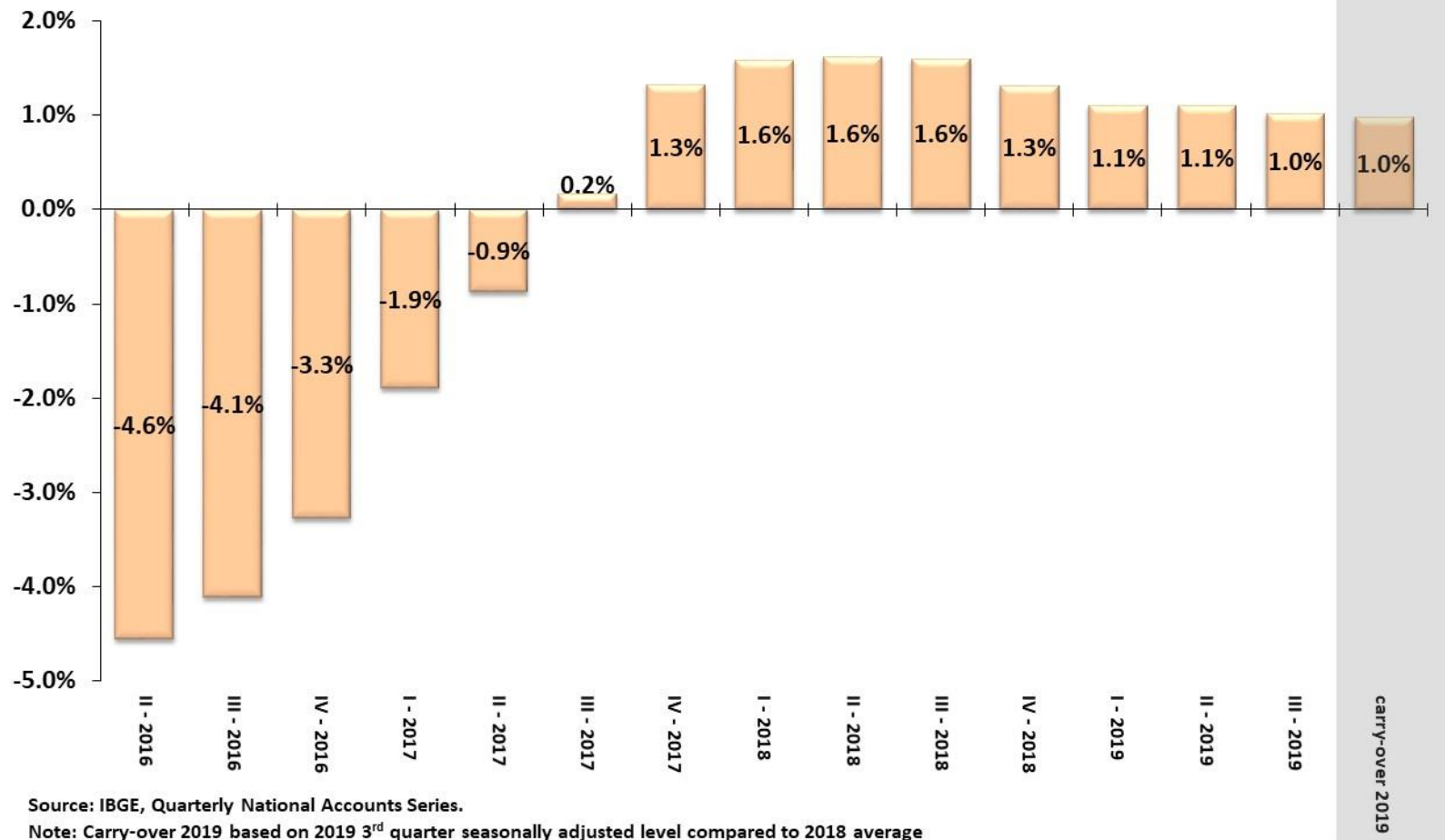
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, October-2019.

Last 4Q / Previous 4Q (%)



Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, October-2019.

Last 4Q / Previous 4Q (%)

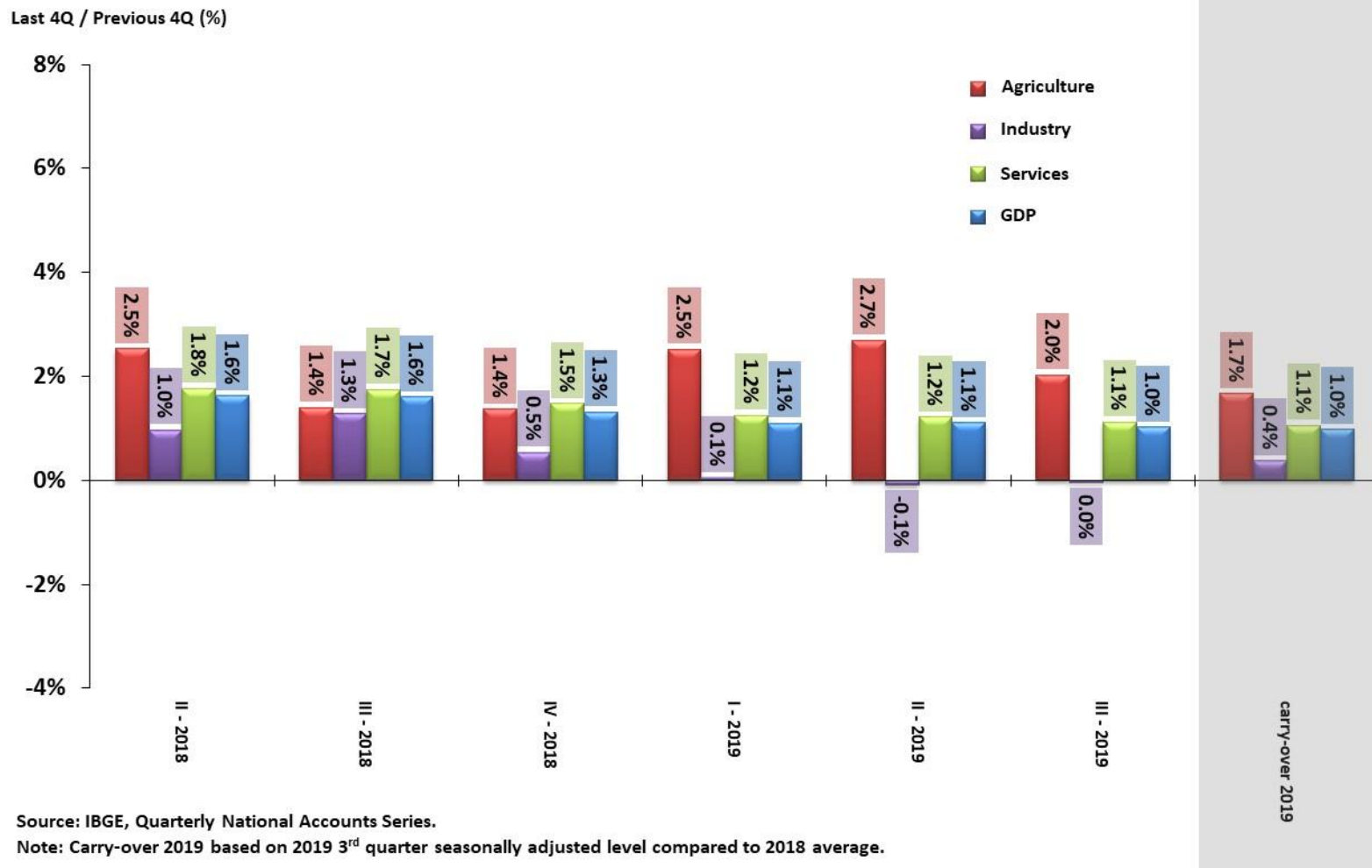


Source: IBGE, Quarterly National Accounts Series.

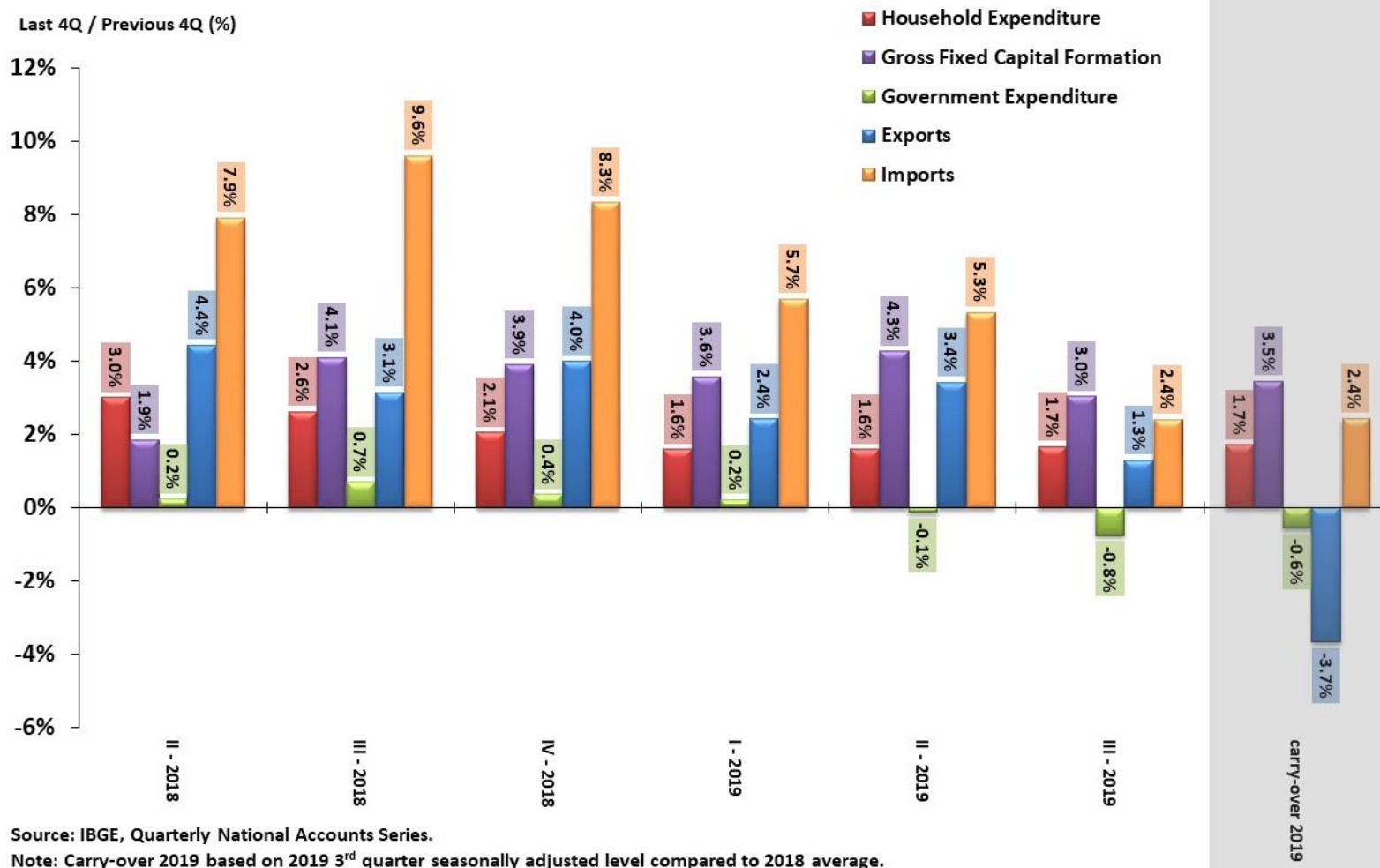
Note: Carry-over 2019 based on 2019 3rd quarter seasonally adjusted level compared to 2018 average

Quarterly GDP by Activity Sector

ECONOMIC ACTIVITY



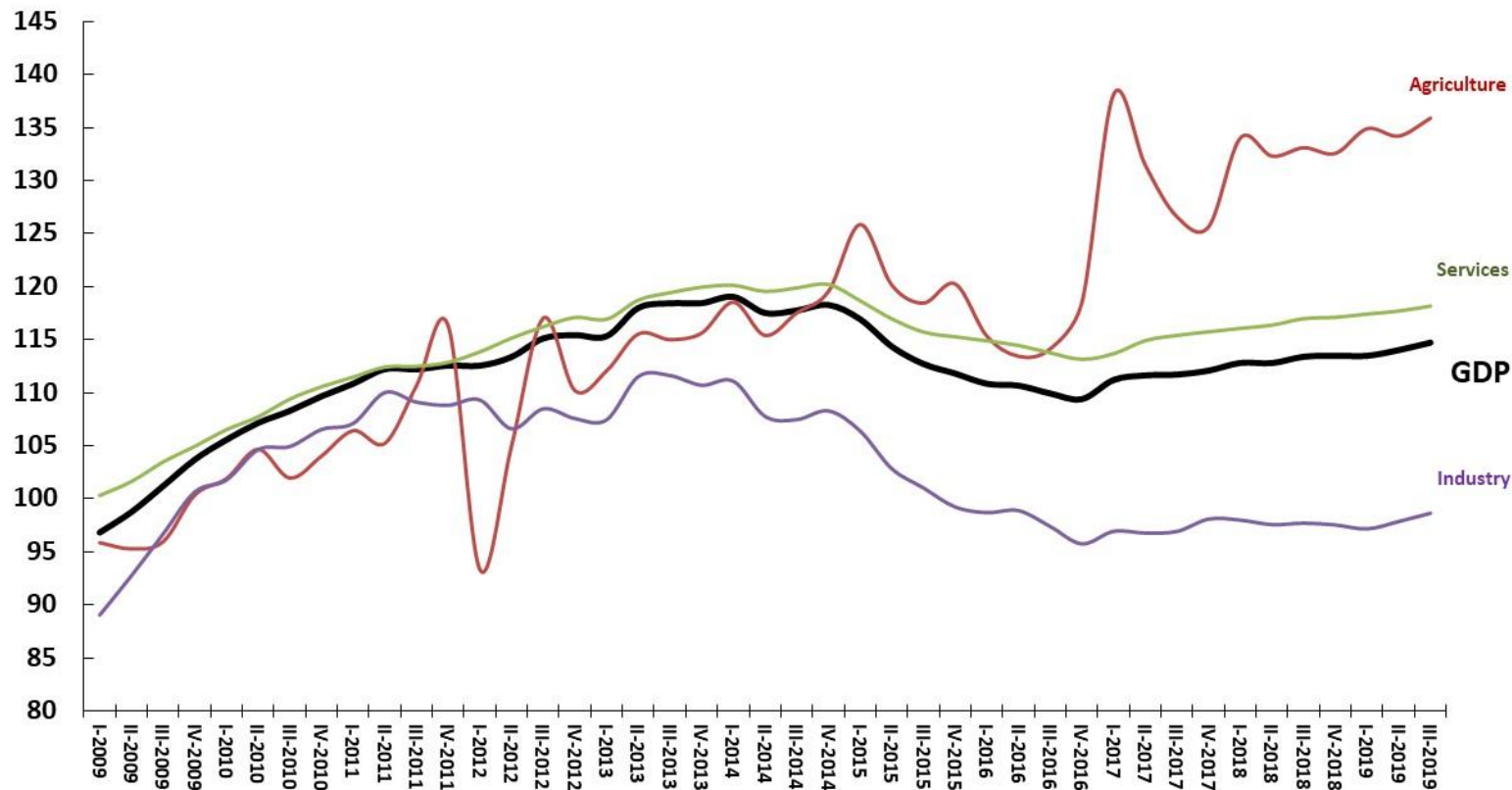
Quarterly GDP by Expenditure



Quarterly GDP by Activity Sector

ECONOMIC ACTIVITY

GDP and Economic Sectors Quarterly Volume Indicator
Chained Series of the Seasonally Adjusted Index: 2007=100

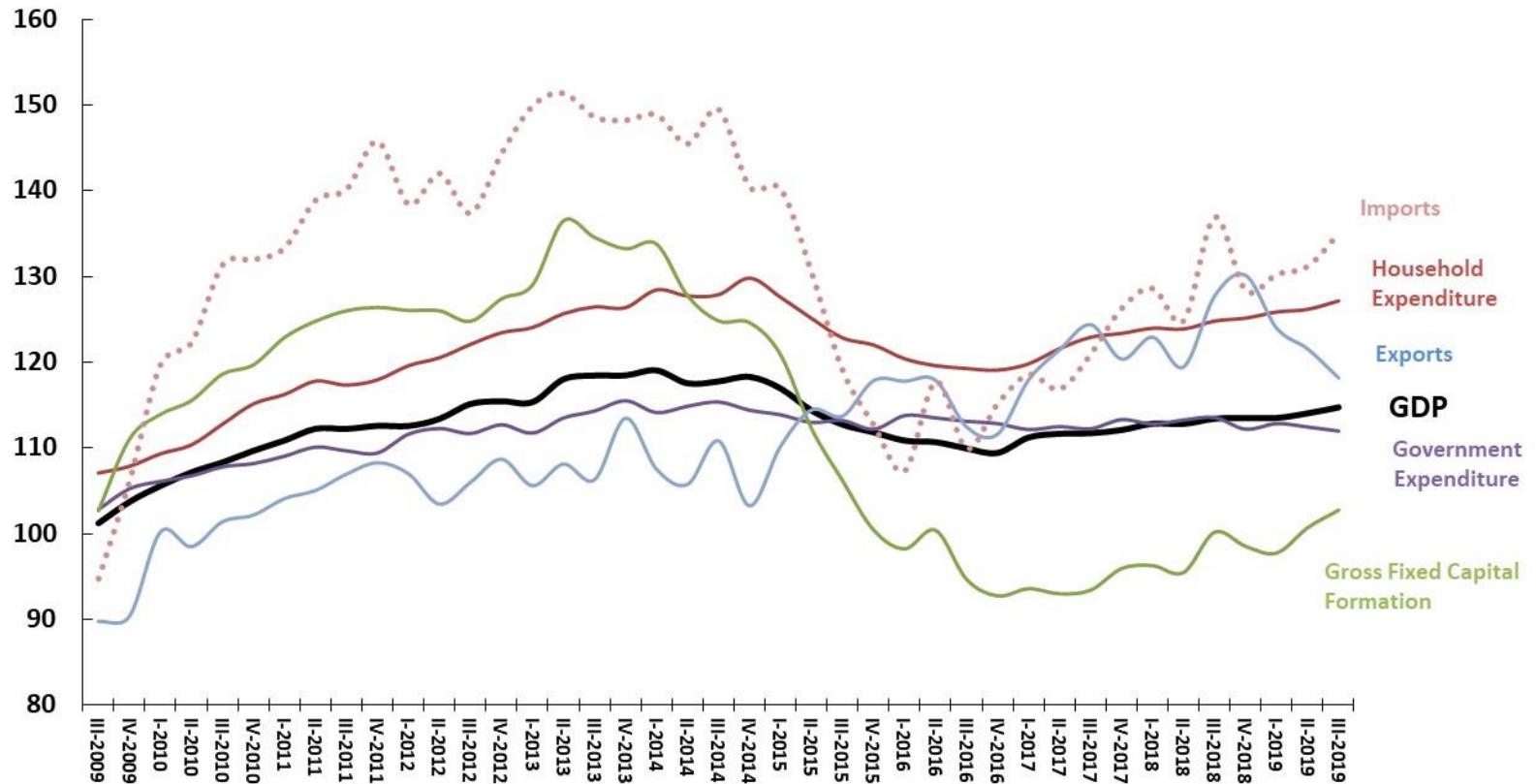


Source: IBGE, Quarterly National Accounts Series.

Quarterly GDP by Expenditure

ECONOMIC ACTIVITY

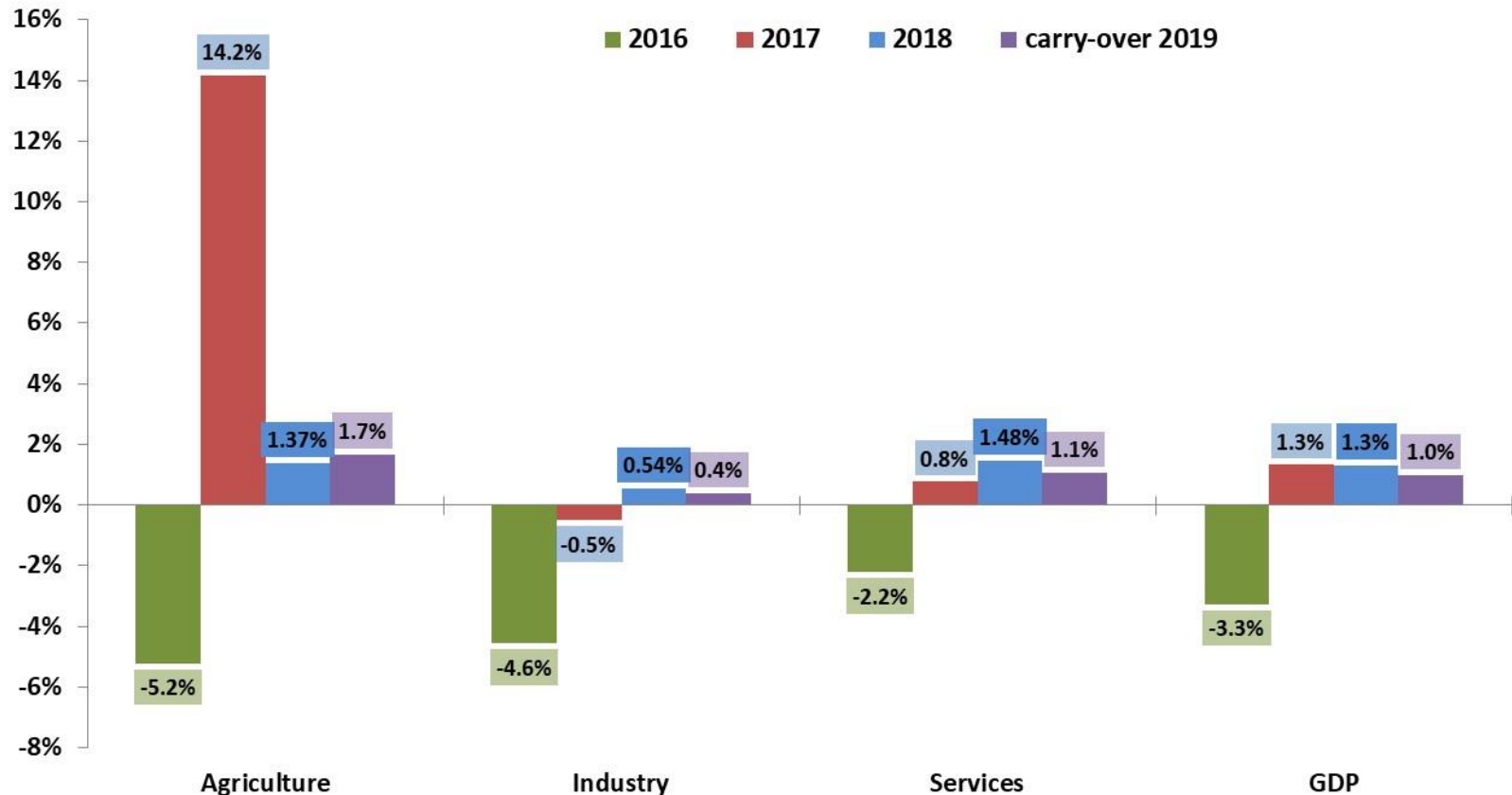
GDP and Demand Categories Quarterly Volume Indicator
Chained Series of the Seasonally Adjusted Index: 2007=100



Source: IBGE, Quarterly National Accounts Series.

Annual GDP Real Growth by Activity Sector

Annual % of Change



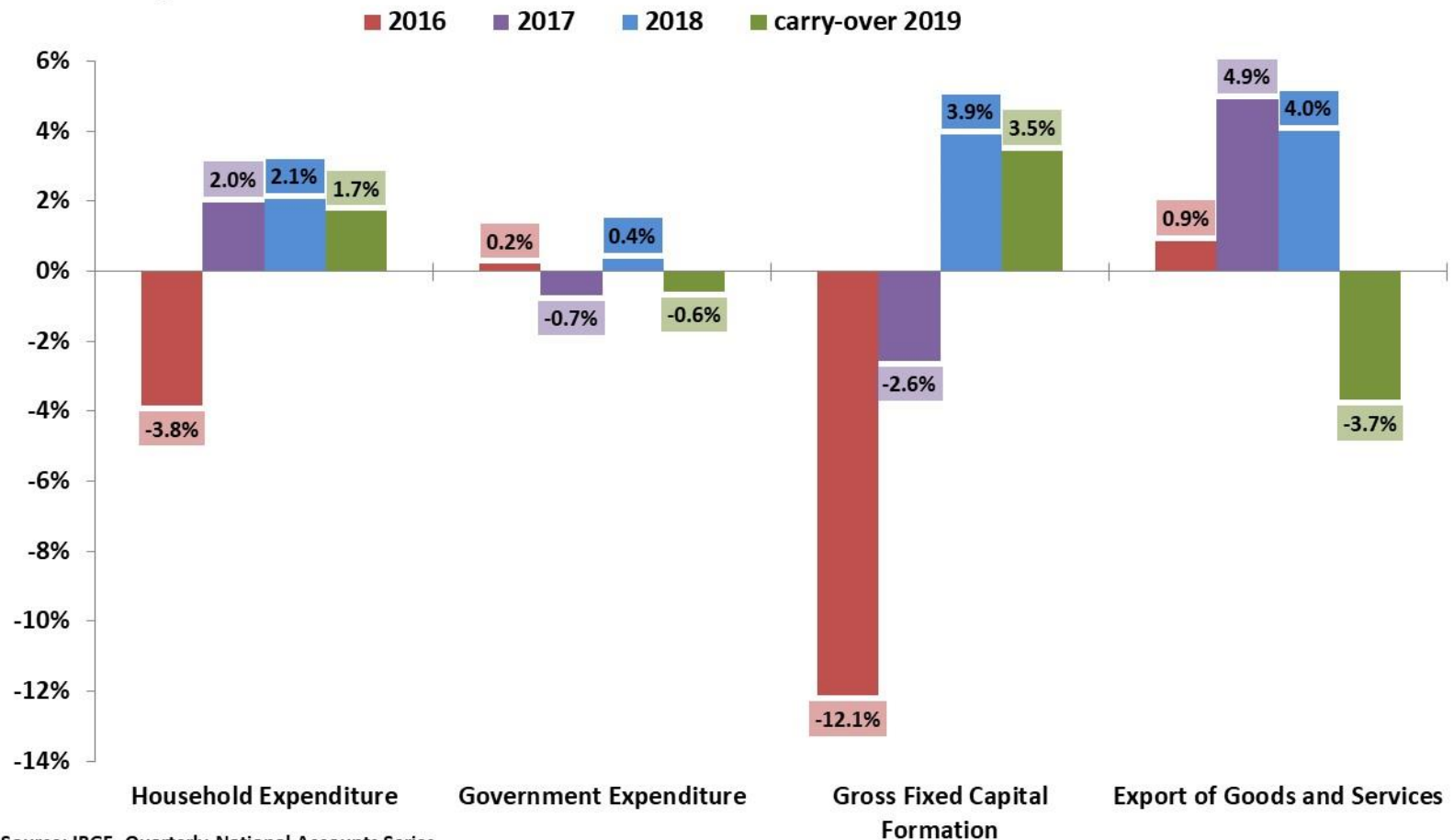
Source: IBGE, Quarterly National Accounts Series.

Note: Carry-over 2019 based on 2019 3rd quarter seasonally adjusted level compared to 2018 average.

Annual GDP Real Growth by Expenditure

ECONOMIC ACTIVITY

Annual % of Change

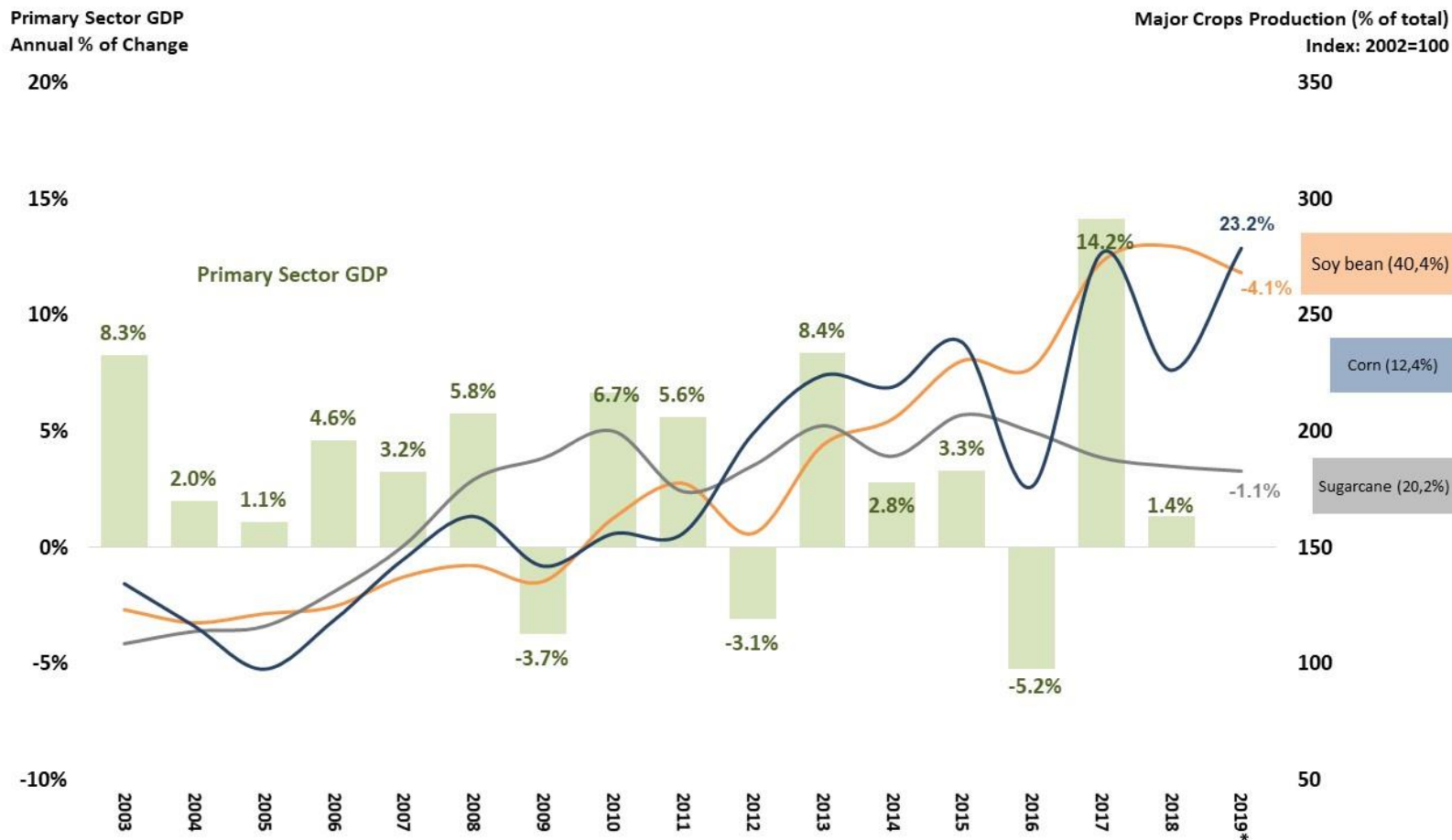


Source: IBGE, Quarterly National Accounts Series.

Note: Carry-over 2019 based on 2019 3rd quarter seasonally adjusted level compared to 2018 average

Primary Sector Performance by Major Crops

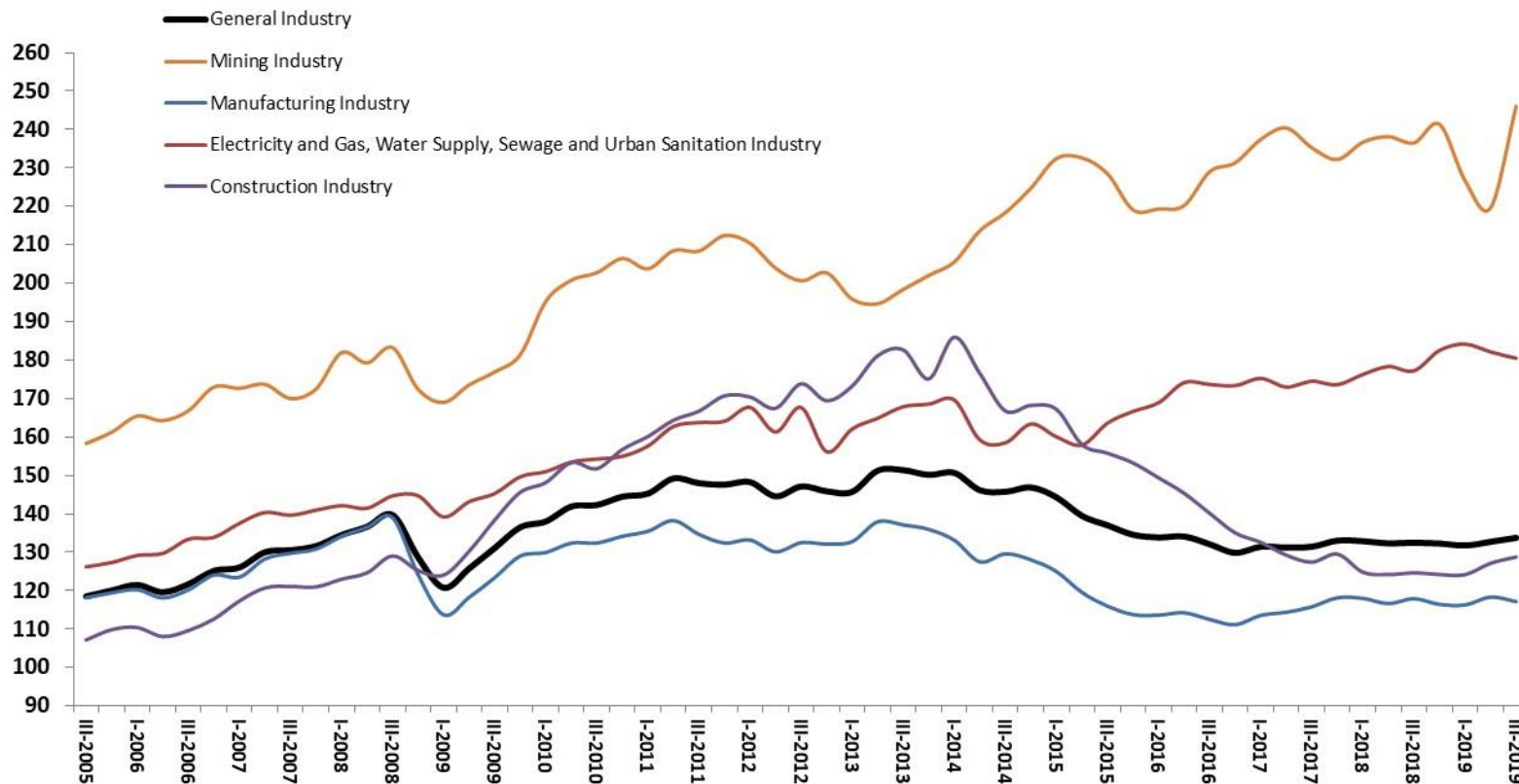
ECONOMIC ACTIVITY



Source: IBGE, Systematic Survey of Agricultural Production (LSA) - October/2019.

Industrial Production Indicators

Chained Series of the Seasonally Adjusted Index: 1995=100



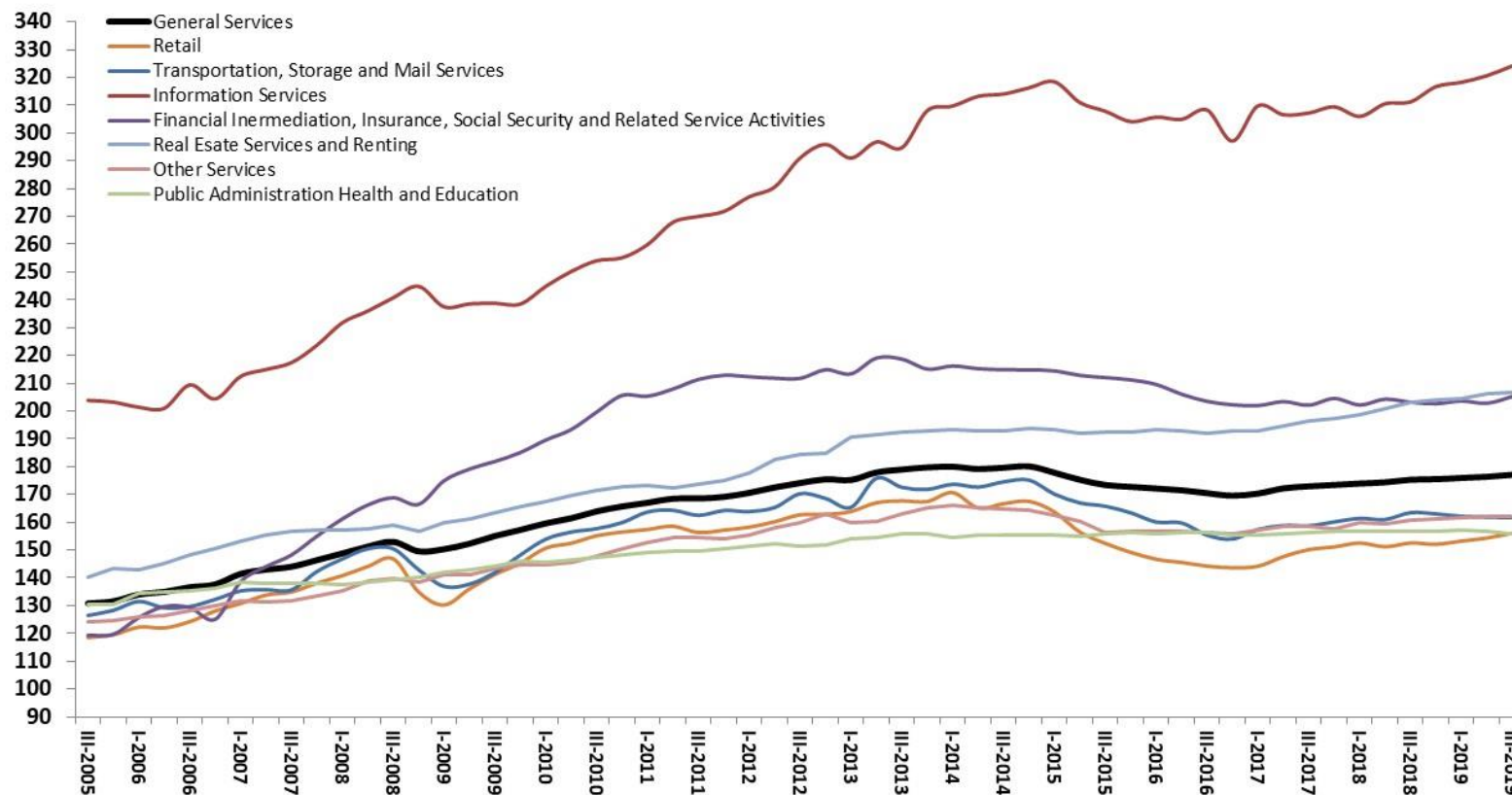
Source: IBGE, Quarterly National Accounts Series.

Services Performance by Subsectors

ECONOMIC ACTIVITY

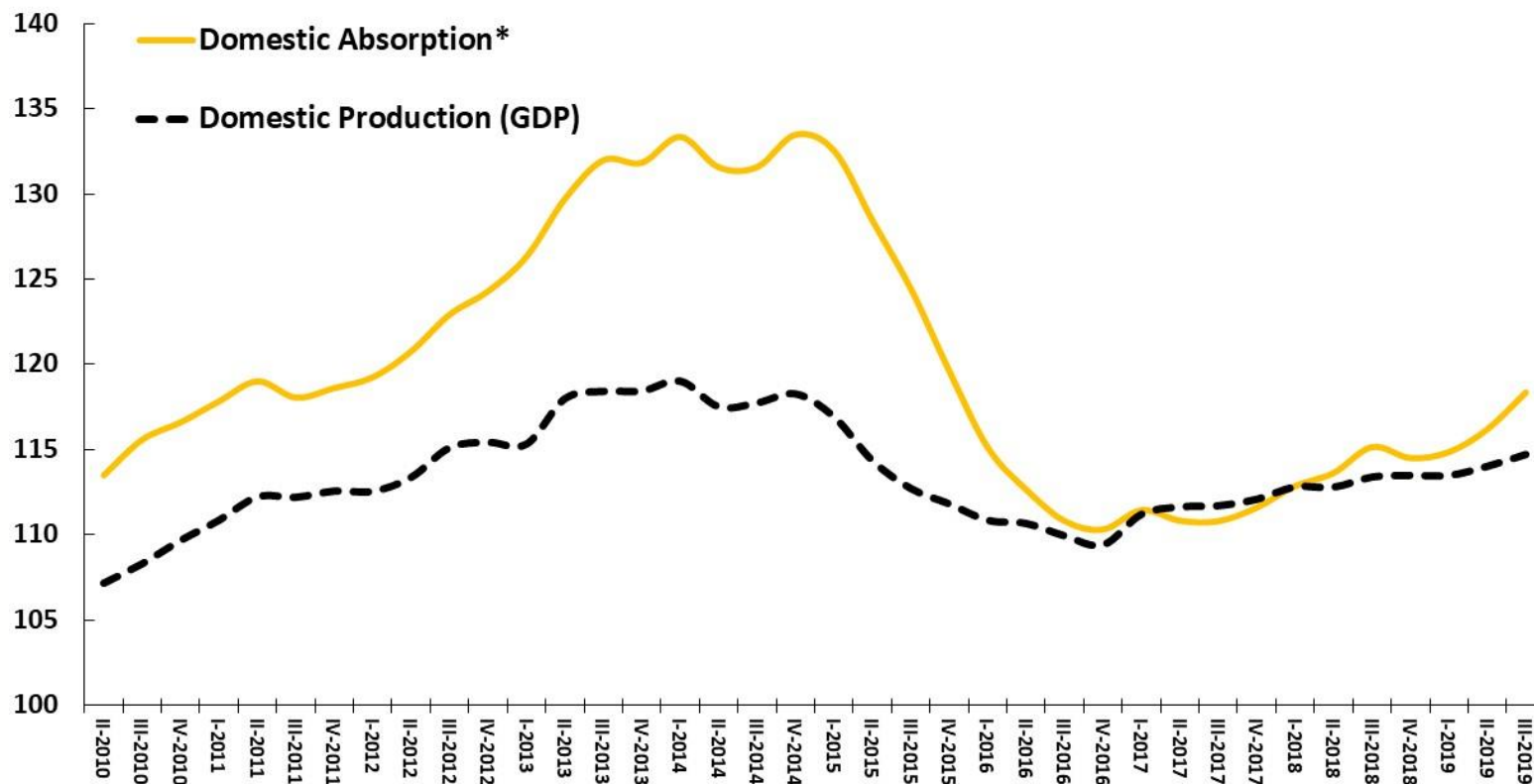
Services Provision Indicators

Chained Series of the Seasonally Adjusted Index: 1995=100

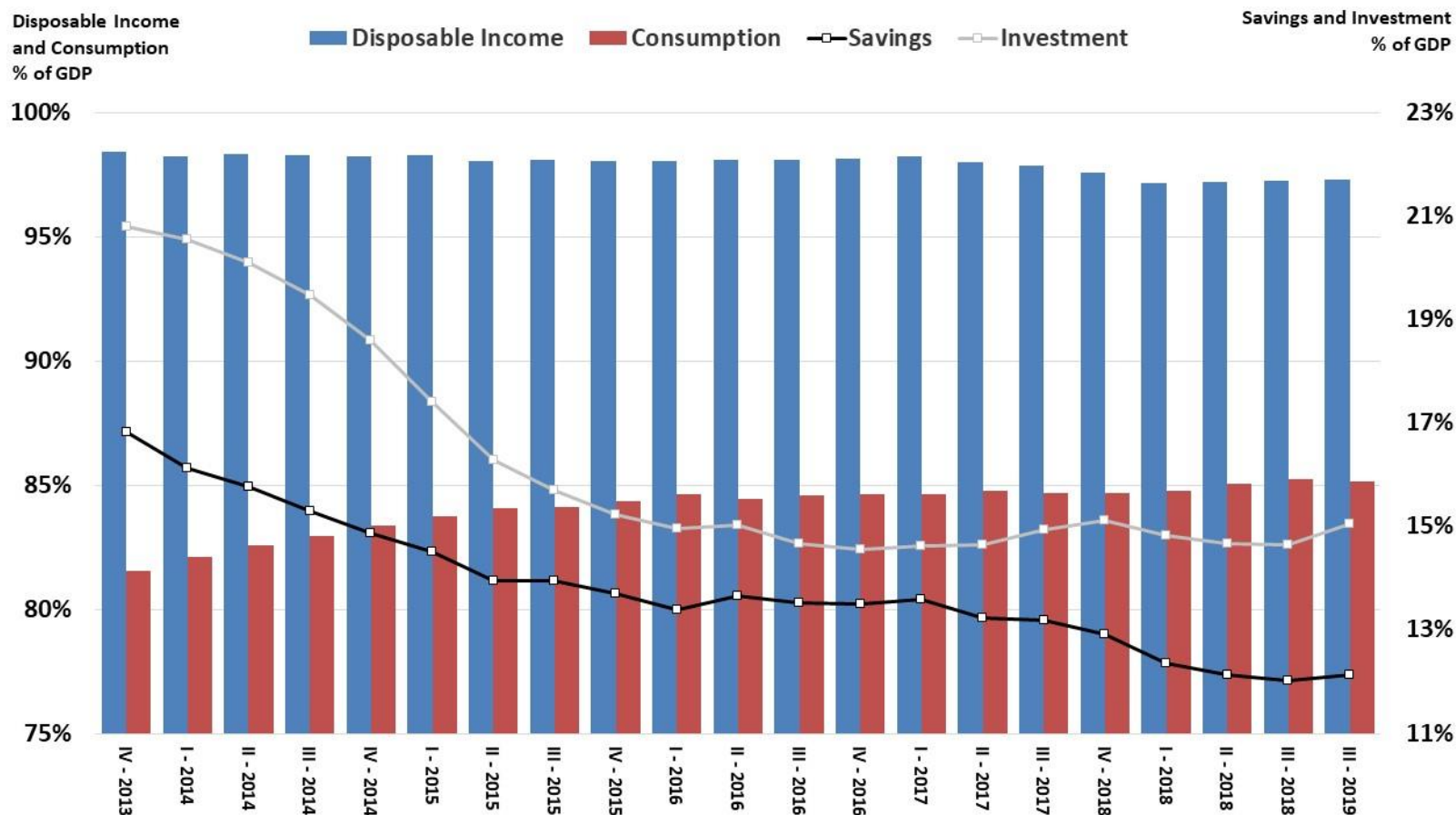


Source: IBGE, Quarterly National Accounts Series.

Domestic Volume and Absorption* Quarterly Volume Indicator
Chained Series of the Seasonally Adjusted Index: 2007=100



Source: IBGE, Quarterly National Accounts Series. * Domestic Absorption = GDP – Exports of Goods and Services + Imports of Goods and Services.



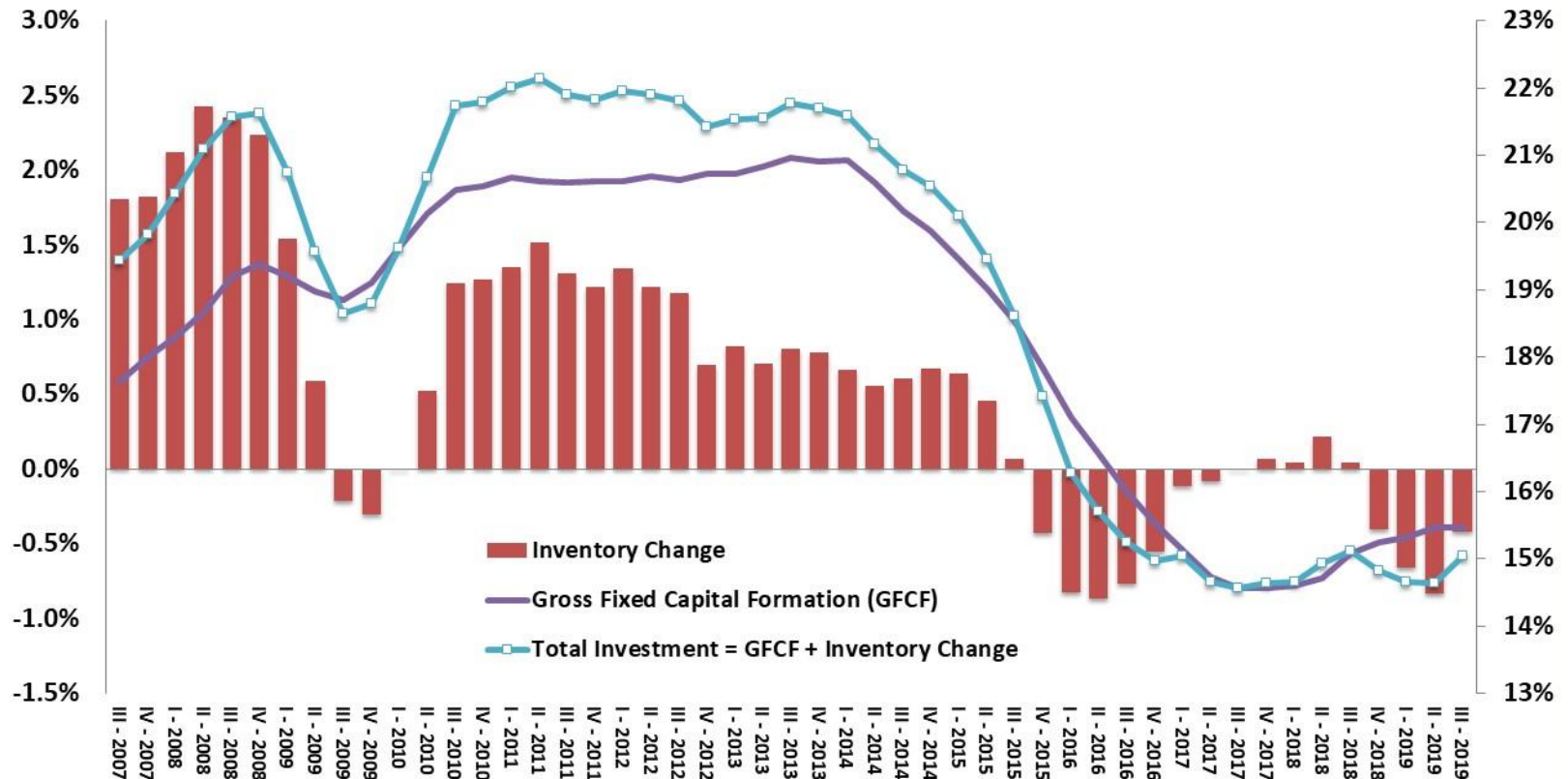
Source: IBGE, Quarterly National Accounts Series.

Inventory Change and Gross Fixed Capital Formation

ECONOMIC ACTIVITY

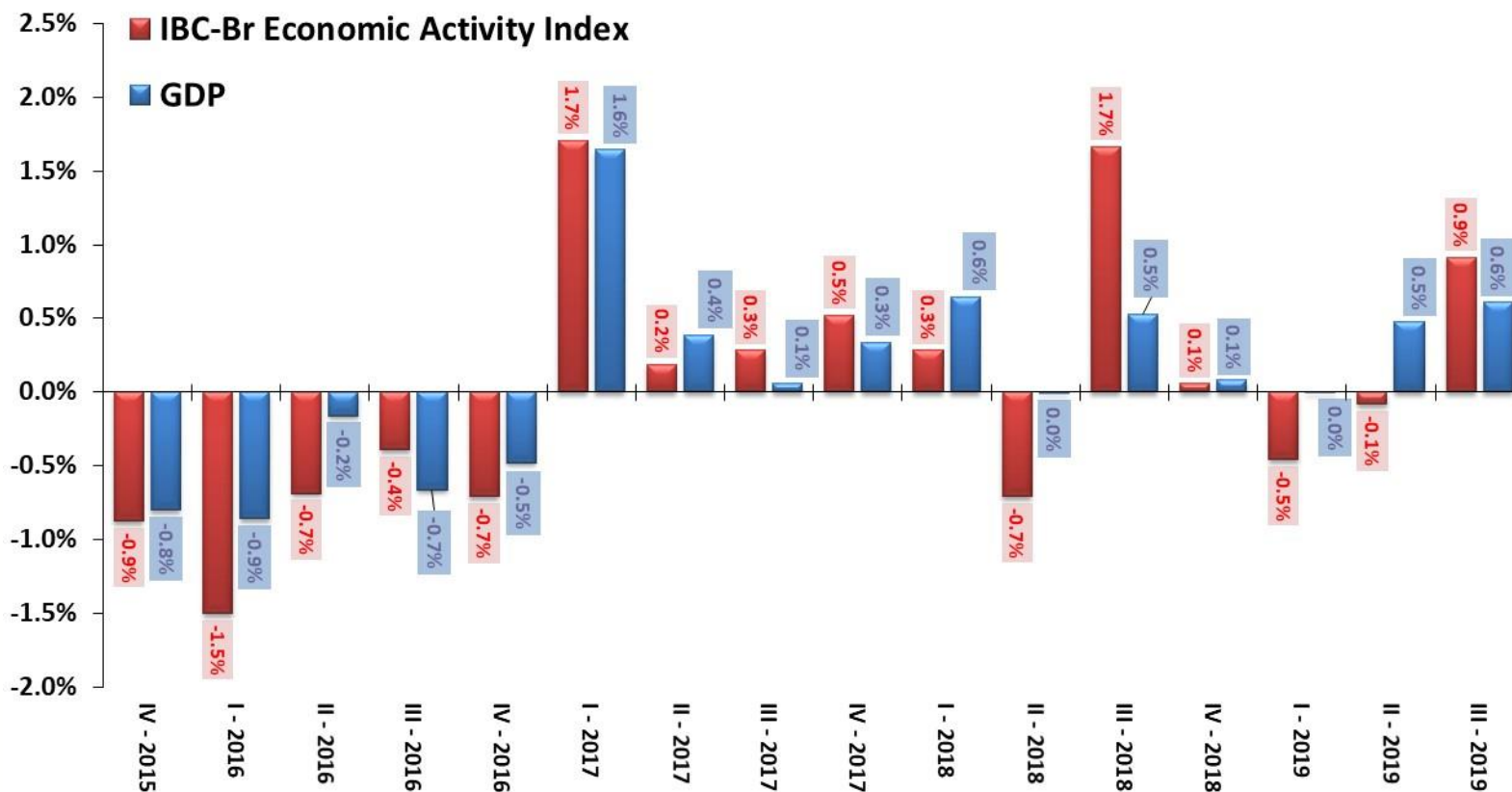
Inventory Change (% of GDP)
Accumulated in 4 quarters

GFCF and Total Investment (% of GDP)
Accumulated in 4 quarters



Source: IBGE, Quarterly National Accounts Series.

Quarterly % Change - Seasonally Adjusted Series



Sources: IBGE and Central Bank of Brazil.

Monthly Economic Activity

ECONOMIC ACTIVITY

IBC-Br Economic Activity Index	September-19 %change	2017	2018	Aug/19- Aug/18	Sep/19- Sep/18	Aug/19 - Jul/19 (seasonally adjusted)	Sep/19 - Aug/19 (seasonally adjusted)	Year-To-Date	Aug/19 accum. in 12-months	Sep/19 accum. in 12-months	carry-over 2019
IBC-Br Economic Activity Index		0.9%	1.18%	-0.7%	2.1%	0.2%	0.4%	1.2%	0.9%	1.0%	0.7%
Systematic Survey of Agricultural Production (IBGE)	October-19 %change	2017	2018	Sep/19- Sep/18	Oct/19- Oct/18	Sep/19 - Aug/19 (seasonally adjusted)	Oct/19 - Sep/19 (seasonally adjusted)	Year-To-Date	Sep/19 accum. in 12-months	Oct/19 accum. in 12-months	carry-over 2019
Grain Harvest		21.4%	-3.8%	6.4%	6.0%	0.4%	0.0%	6.0%	6.4%	6.0%	3.9%
Industry Production (IBGE)	October-19 %change	2017	2018	Sep/19- Sep/18	Oct/19- Oct/18	Sep/19 - Aug/19 (seasonally adjusted)	Oct/19 - Sep/19 (seasonally adjusted)	Year-To-Date	Sep/19 accum. in 12-months	Oct/19 accum. in 12-months	carry-over 2019
General Industry		2.5%	1.0%	1.0%	1.0%	0.3%	0.8%	1.0%	-1.3%	-1.3%	-0.8%
Mining Industry (weight 11,2%)		4.5%	0.0%	-2.8%	-7.3%	-1.7%	-1.1%	0.0%	-6.5%	-7.4%	-9.3%
Manufacturing Industry (weight 88,8%)		2.2%	1.1%	1.6%	2.2%	1.0%	0.8%	1.1%	-0.6%	-0.4%	0.4%
Food (weight 13,9%)		1.2%	-5.3%	3.2%	12.3%	-0.3%	3.4%	-5.3%	-1.8%	0.3%	2.1%
Petroleum refinement and alcohol production (weight 10,3%)		-4.2%	0.8%	5.8%	3.1%	-1.3%	-2.1%	0.8%	-0.2%	0.3%	1.0%
Motor vehicles (weight 10,1%)		17.2%	12.7%	6.8%	3.5%	4.3%	-0.6%	12.7%	2.5%	1.8%	3.2%
Capital Goods		6.2%	7.1%	1.8%	-3.0%	-0.4%	-0.3%	7.1%	1.4%	0.2%	0.8%
Intermediate Goods		1.7%	0.1%	-0.1%	0.0%	0.2%	0.3%	0.1%	-2.3%	-2.2%	-1.9%
Durable Consumer Goods		13.2%	7.9%	8.6%	6.9%	2.8%	1.3%	7.9%	0.6%	0.6%	2.9%
Semi and Non-Durable Consumer Goods		0.9%	-0.3%	1.8%	3.3%	0.8%	1.0%	-0.3%	0.1%	0.4%	1.0%
Typical Construction Inputs		5.6%	-2.4%	2.0%	1.5%	-4.4%	5.9%	1.1%	1.5%	1.2%	-12.4%
Retail Sales (IBGE)	September-19 %change	2017	2018	Aug/19- Aug/18	Sep/19- Sep/18	Aug/19 - Jul/19 (seasonally adjusted)	Sep/19 - Aug/19 (seasonally adjusted)	Year-To-Date	Aug/19 accum. in 12-months	Sep/19 accum. in 12-months	carry-over 2019
Retail Sales		2.1%	2.3%	1.4%	2.1%	0.2%	0.7%	2.3%	1.4%	1.5%	1.5%
Amplified Retail Sales		4.0%	5.0%	1.5%	4.3%	0.1%	0.9%	5.0%	3.7%	3.8%	3.7%
Vehicles, Motorcycles, Parts and Accessories		2.7%	15.1%	2.8%	10.5%	-1.7%	1.2%	15.1%	11.3%	11.3%	10.2%
Construction Material		9.1%	3.5%	-1.5%	5.7%	-0.6%	1.5%	3.5%	2.9%	3.5%	3.6%
Fuel and Lubricants		-3.3%	-5.0%	-2.8%	-0.5%	-3.3%	1.2%	-5.0%	-0.7%	-0.3%	0.3%
Hypermarkets, Supermarkets, Food, Beverage and Tobacco		1.5%	3.7%	2.5%	0.1%	0.6%	0.2%	3.7%	0.8%	0.8%	0.6%
Textiles, Apparel and Footwear		7.6%	-1.0%	-3.3%	-1.8%	-2.1%	3.3%	-1.0%	0.7%	0.5%	0.0%
Furniture and Household Appliances		9.5%	-1.3%	-1.3%	8.1%	-1.9%	5.2%	-1.3%	-0.8%	0.0%	2.0%
Volume of Services (IBGE)	September-19 %change	2017	2018	Aug/19- Aug/18	Sep/19- Sep/18	Aug/19 - Jul/19 (seasonally adjusted)	Sep/19 - Aug/19 (seasonally adjusted)	Year-To-Date	Aug/19 accum. in 12-months	Sep/19 accum. in 12-months	carry-over 2019
Volume of Services		-2.8%	0.0%	-1.3%	1.5%	-0.1%	1.2%	0.0%	0.6%	0.7%	0.7%
Services Rendered to Families		-1.1%	0.2%	0.9%	-0.3%	-1.7%	0.8%	0.2%	3.5%	3.4%	2.7%
Information and Communication Services		-2.0%	-0.4%	4.6%	2.2%	0.4%	-1.0%	-0.4%	2.7%	2.6%	2.5%
Professional, Administrative and Complementary Services		-7.3%	-1.8%	-2.5%	2.9%	0.7%	1.8%	-1.8%	-0.9%	-0.5%	0.7%
Transportation, Support Activities for Transportation and Mailing Activities		2.2%	1.2%	-7.8%	-1.7%	-0.7%	1.2%	1.2%	-1.8%	-2.0%	-2.8%
Other Services		-8.9%	1.9%	5.7%	10.9%	-2.5%	0.5%	1.9%	3.4%	4.6%	4.9%

Macroeconomic Parameters						
Year	Industrial Activity - Annual chg. %					
	Manufacturing		Beverages		Vehicles	
	Production				Domestic Wholesale	
	Price	Quantity	Price	Quantity	Price	Quantity
2013	5.97	2.80	6.69	-2.10	1.19	1.54
2014	6.06	-4.17	6.95	1.29	3.40	-5.87
2015	6.98	-9.84	10.67	-4.76	4.10	-25.21
2016	8.04	-5.99	7.59	-3.09	6.09	-17.53
2017	1.75	2.25	4.34	0.77	4.26	12.31
2018	8.35	1.09	2.67	0.87	3.30	13.04
2019	4.08	0.42	3.06	2.25	3.17	9.93
2020	4.25	3.07	5.15	2.46	3.41	8.54
2021	5.18	3.08	5.90	2.49	3.31	6.18
2022	4.59	2.99	5.82	2.49	2.90	6.53
2023	4.14	2.98	5.83	2.60	2.64	7.84

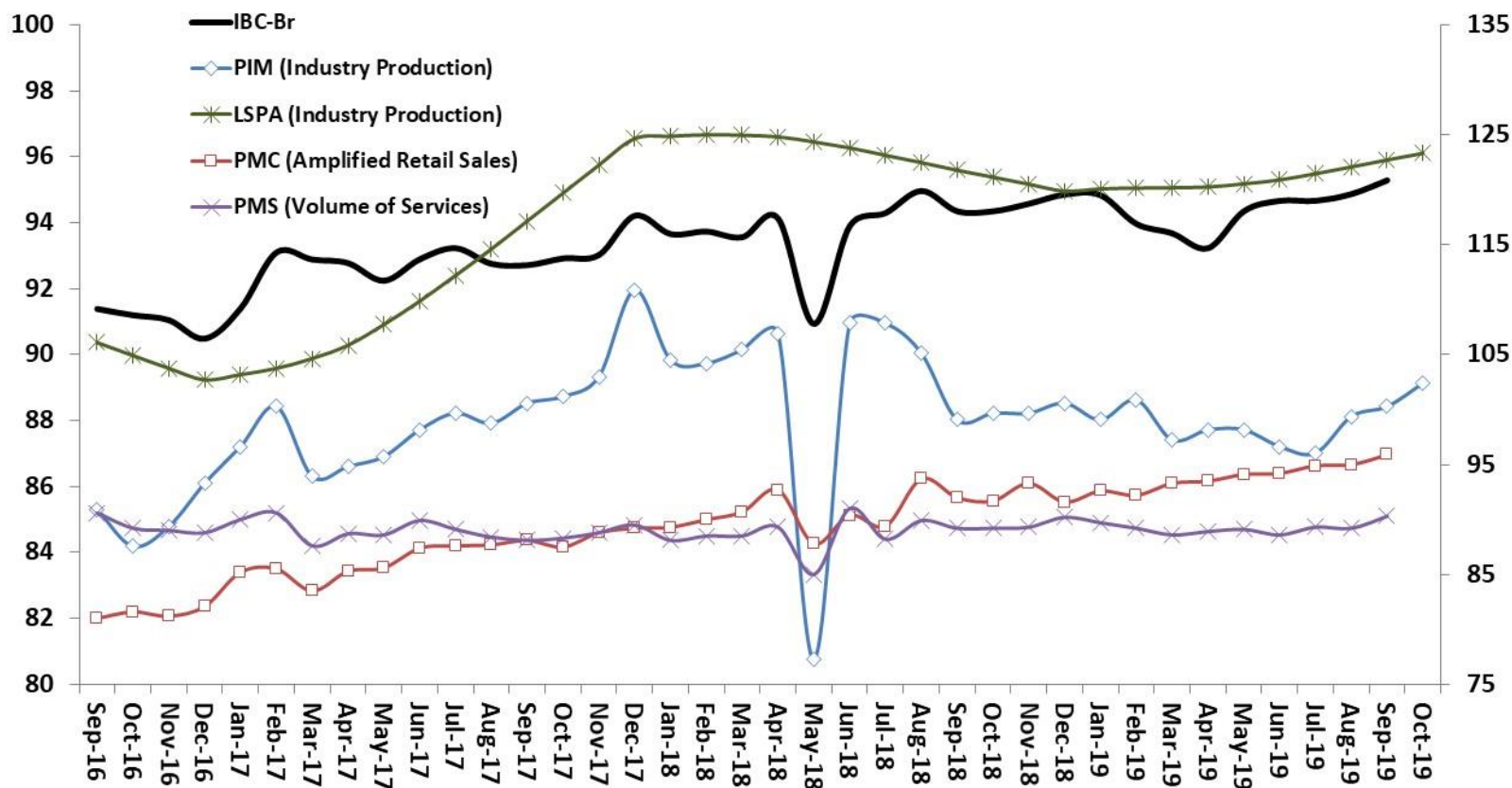
Source: SPE/ME. Macroeconomic Parameters, October-2019.

Major Monthly Economic Activity Indicators

ECONOMIC ACTIVITY

IBC-Br, Grain Harvest (12-mo MA) and Industry Production
Seasonally Adjusted Index (2014 = 100)

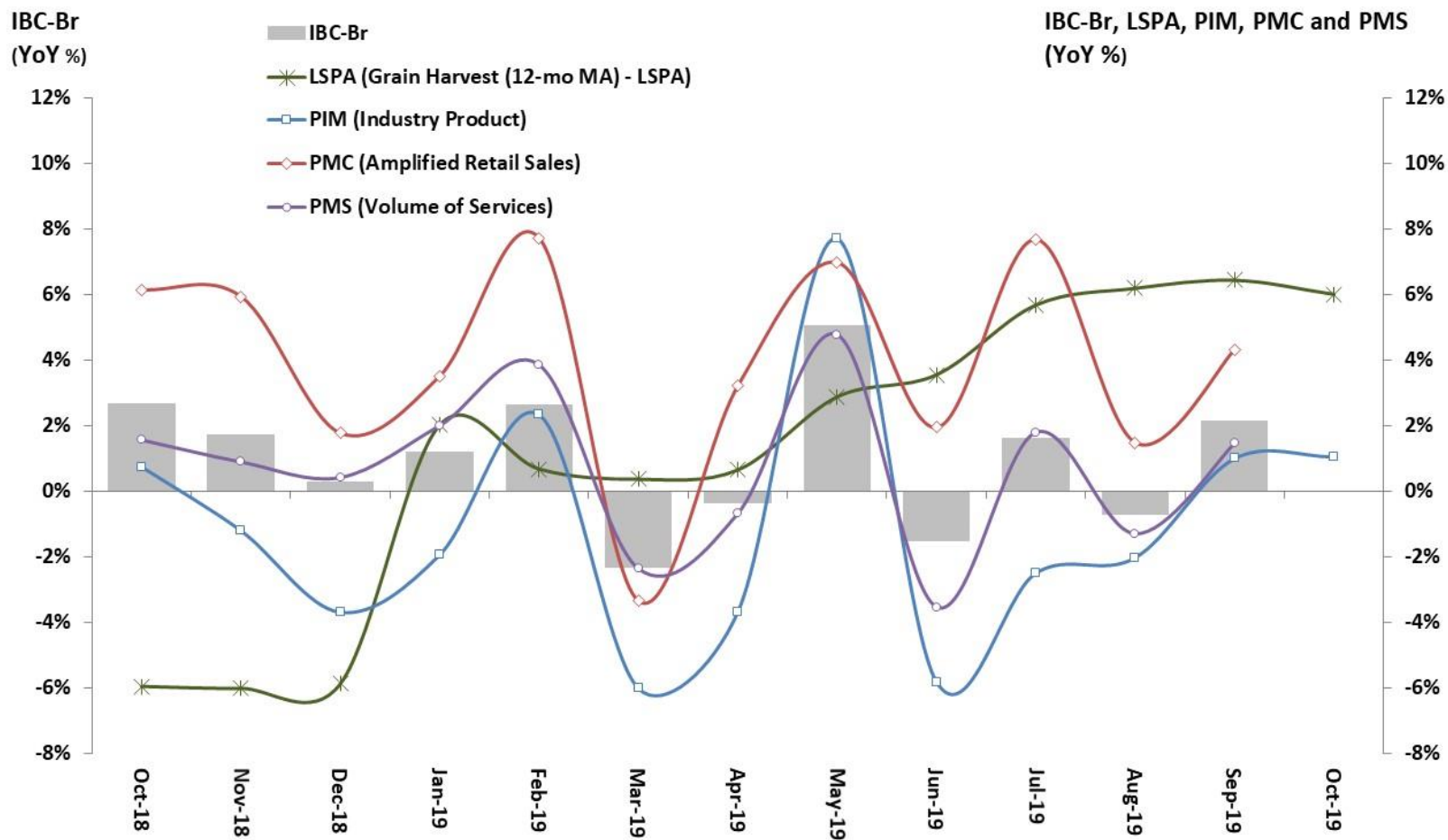
Amplified Retail Sales and Volume of Services
Seasonally Adjusted Index (2014 = 100)



Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

Major Monthly Economic Activity Indicators

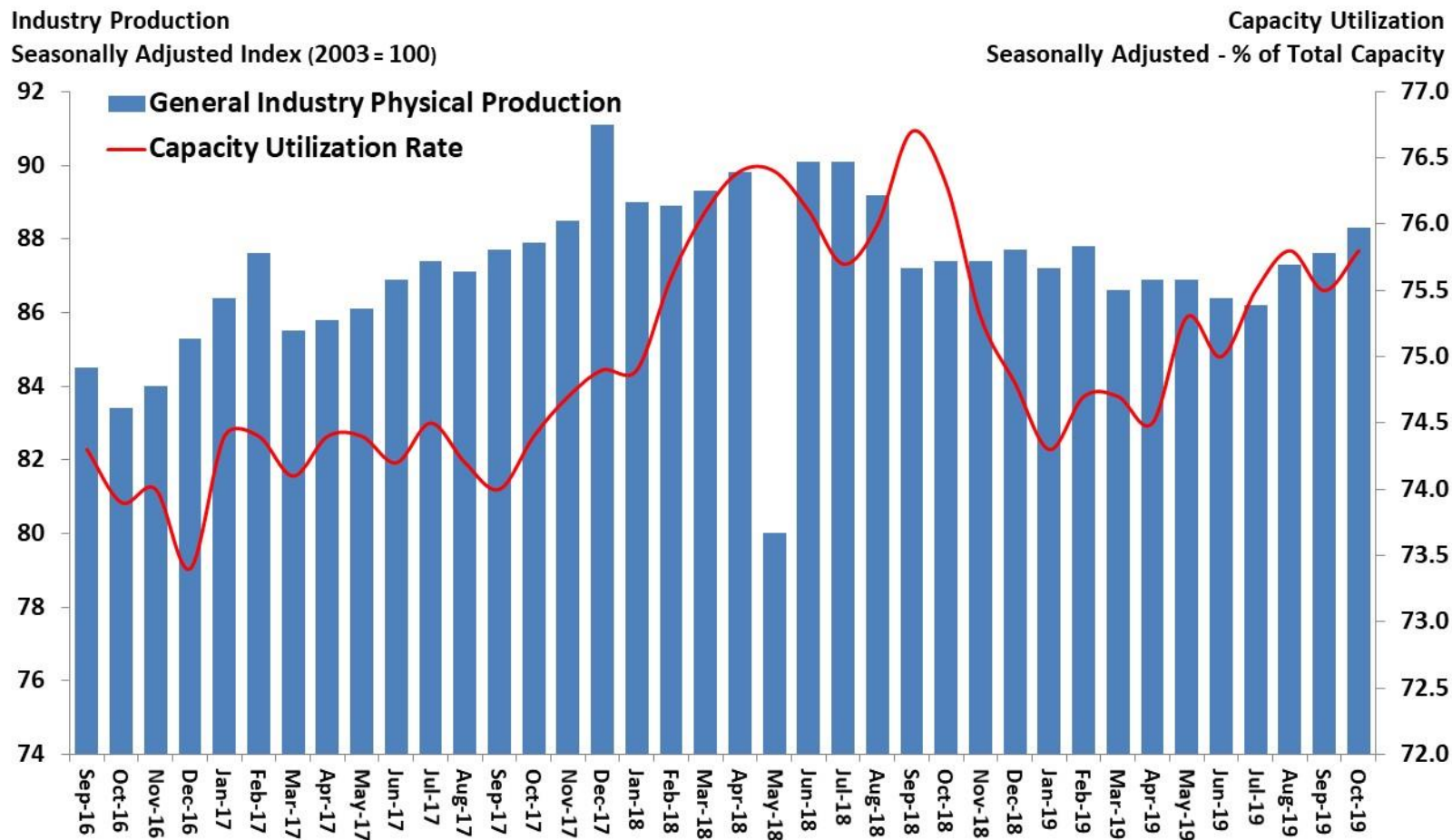
ECONOMIC ACTIVITY



Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

Industrial Production and Capacity Utilization

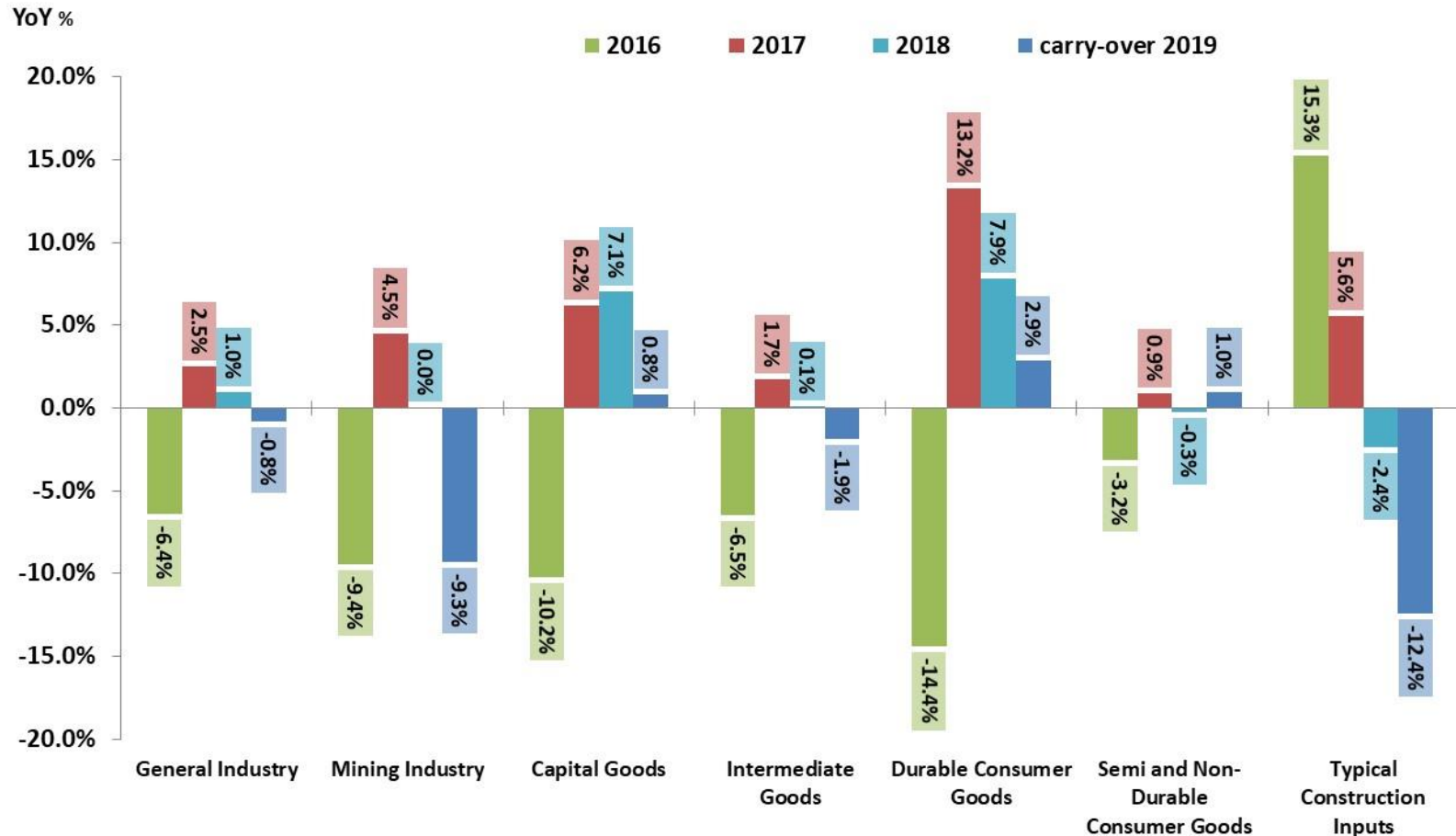
ECONOMIC ACTIVITY



Sources: IBGE and FGV.

Total Industrial Production and Economic Categories

ECONOMIC ACTIVITY



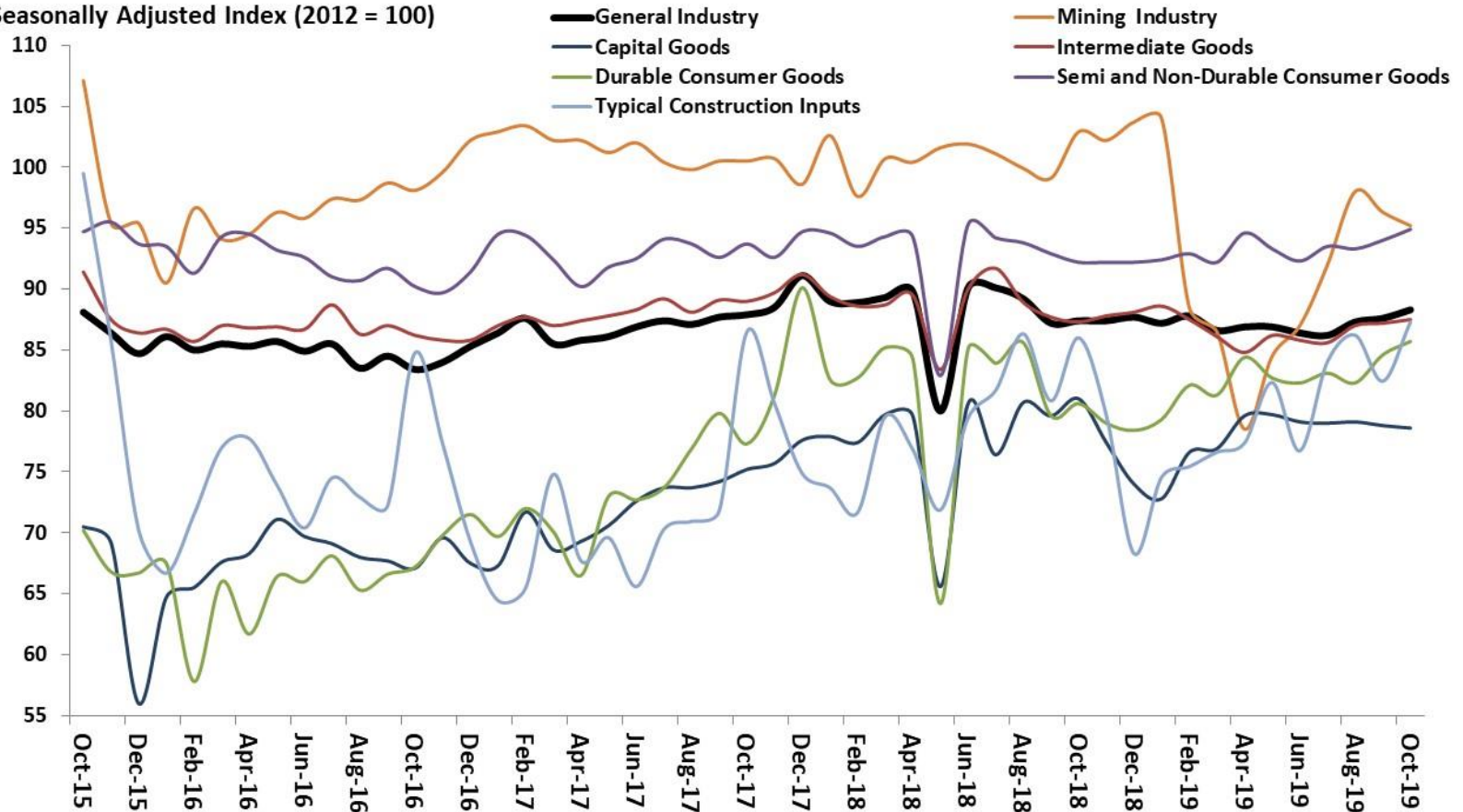
Source: IBGE, Monthly Survey of Industry (PIM).

Note: Carry-over 2019 based on October 2019 compared to 2018 average.

Total Industrial Production and Economic Categories

ECONOMIC ACTIVITY

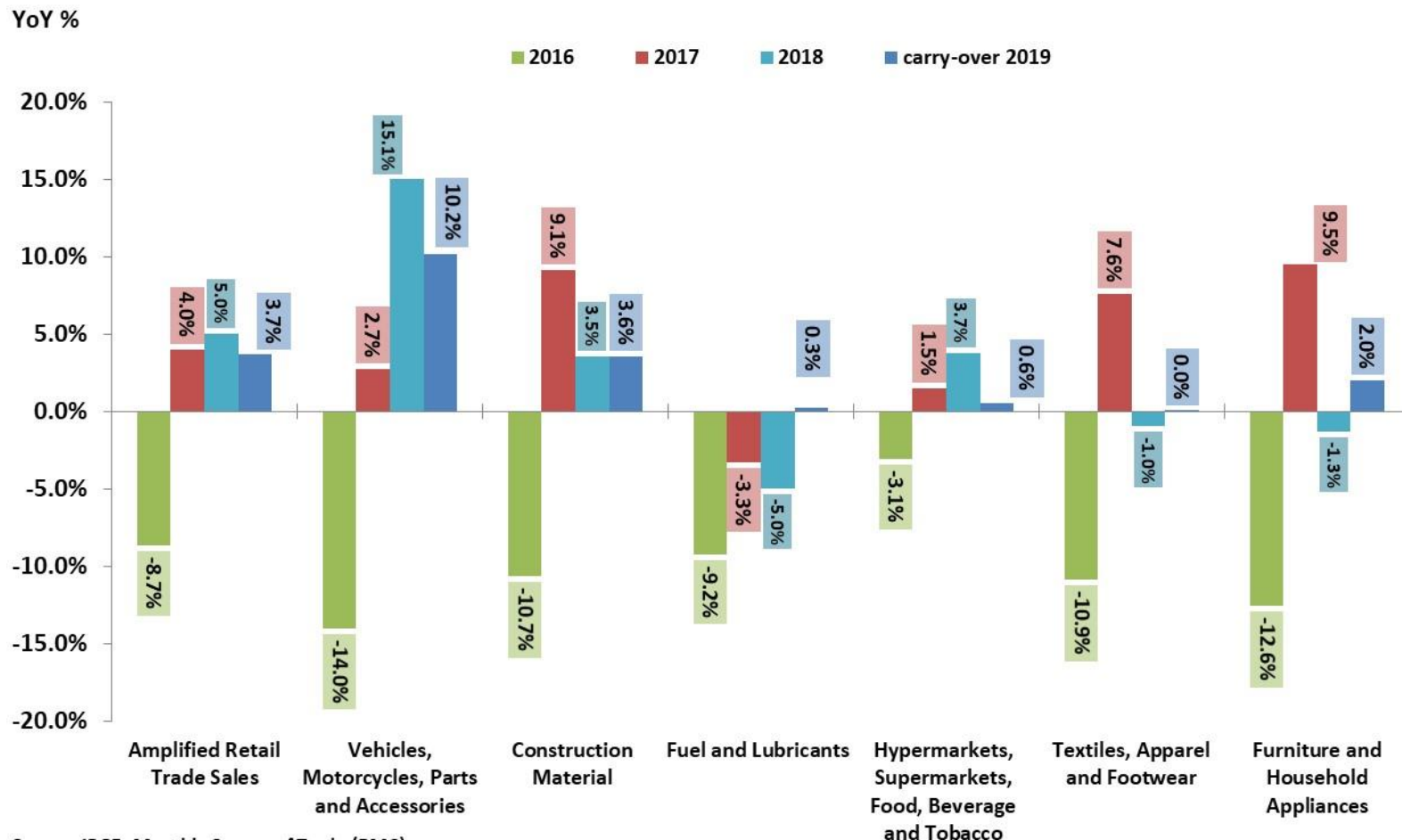
Industry Physical Production by Economic Category
Seasonally Adjusted Index (2012 = 100)



Source: IBGE

Total Retail Sales and Subsectors

ECONOMIC ACTIVITY



Source: IBGE, Monthly Survey of Trade (PMC).

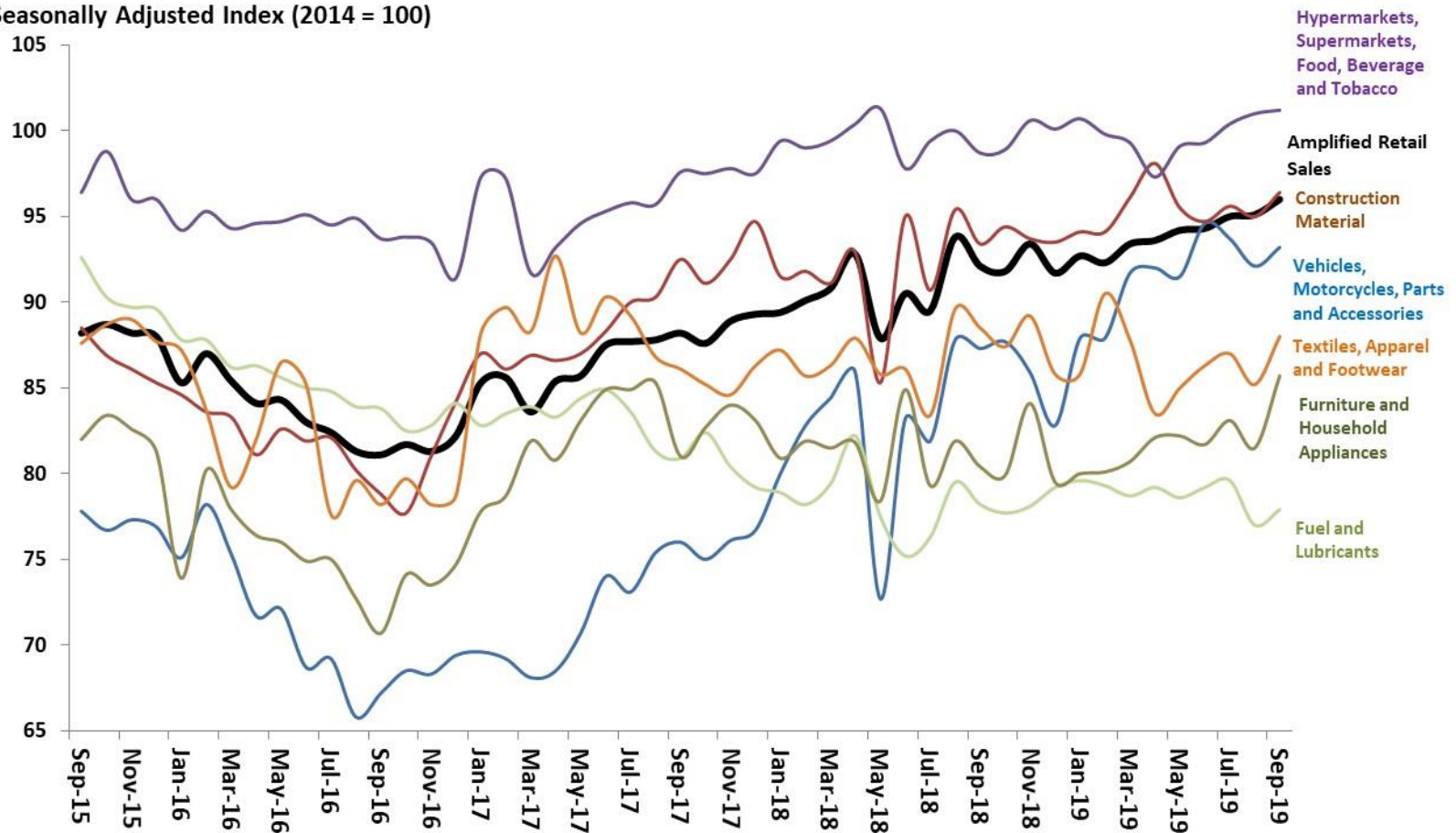
Note: Carry-over 2019 based on September-2019 compared to 2018 average

Total Retail Sales and Subsectors

ECONOMIC ACTIVITY

Retail Sales by Subsector

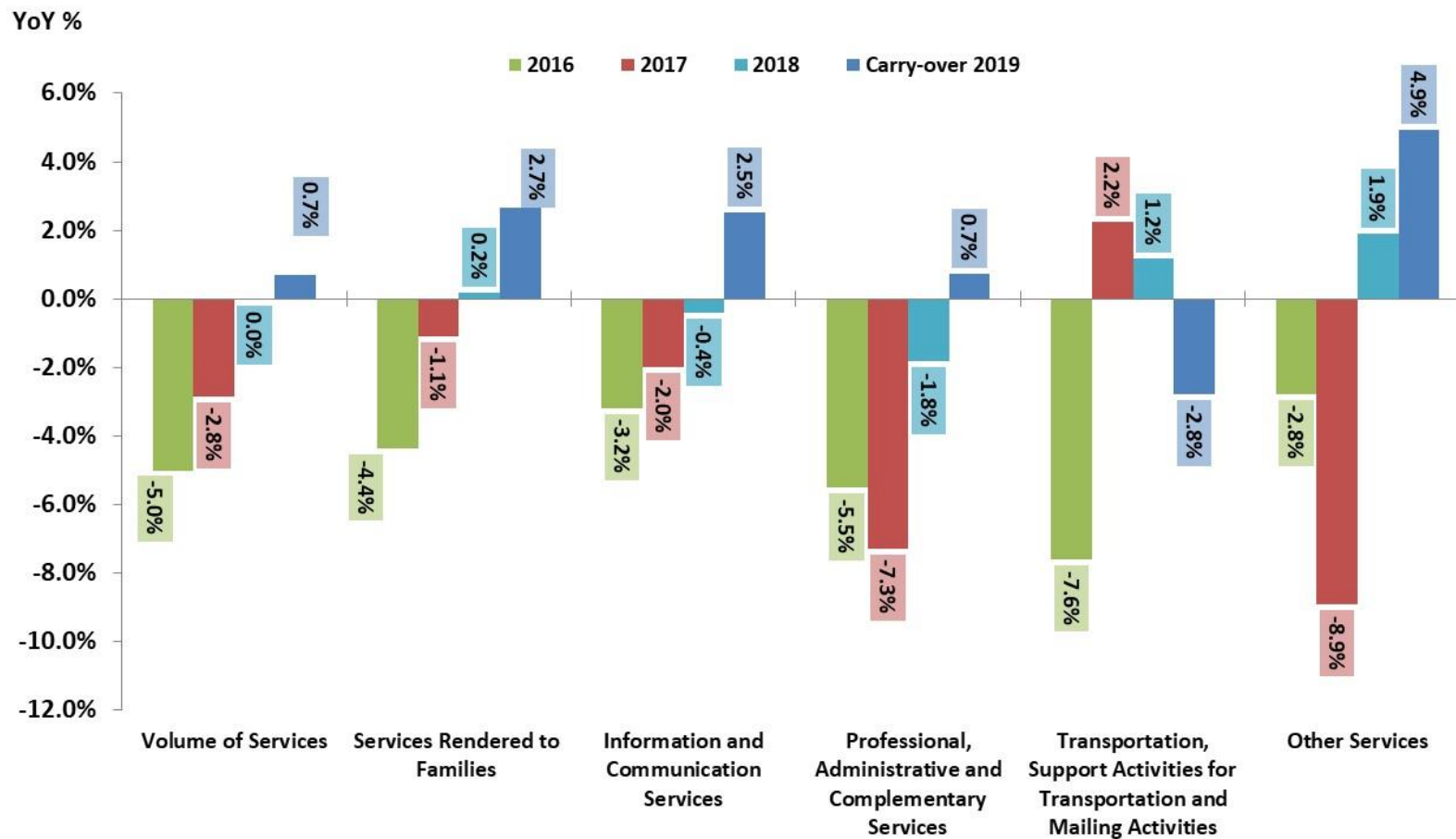
Seasonally Adjusted Index (2014 = 100)



Source: IBGE, Monthly Survey of Trade (PMC).

Volume of Services and Subsectors

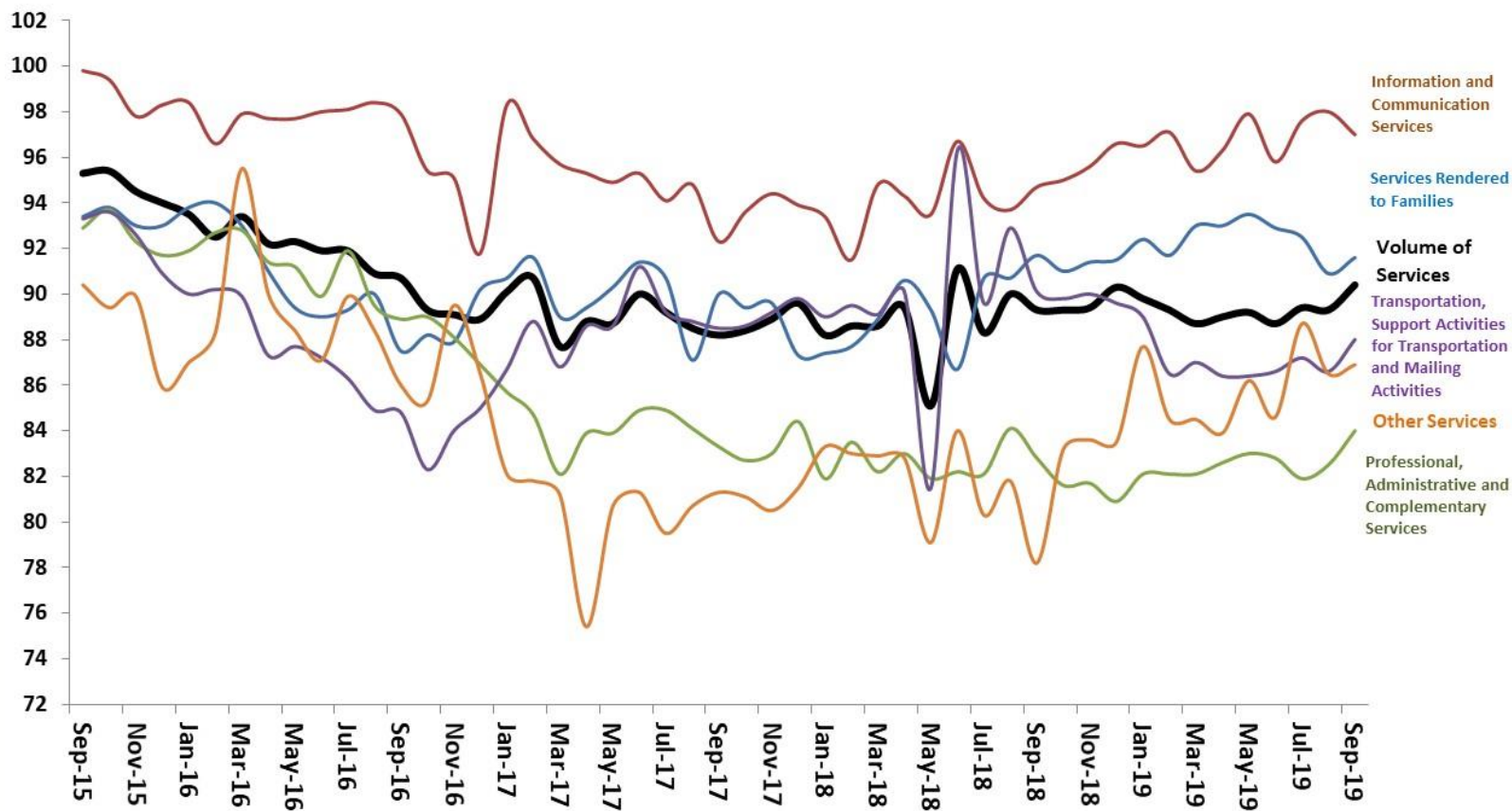
ECONOMIC ACTIVITY



Source: IBGE, Monthly Survey of Services (PMS).

Note: Carry-over 2019 based on September-2019 compared to 2018 average.

Volume of Services by Subsector
Seasonally Adjusted Index (2014 = 100)



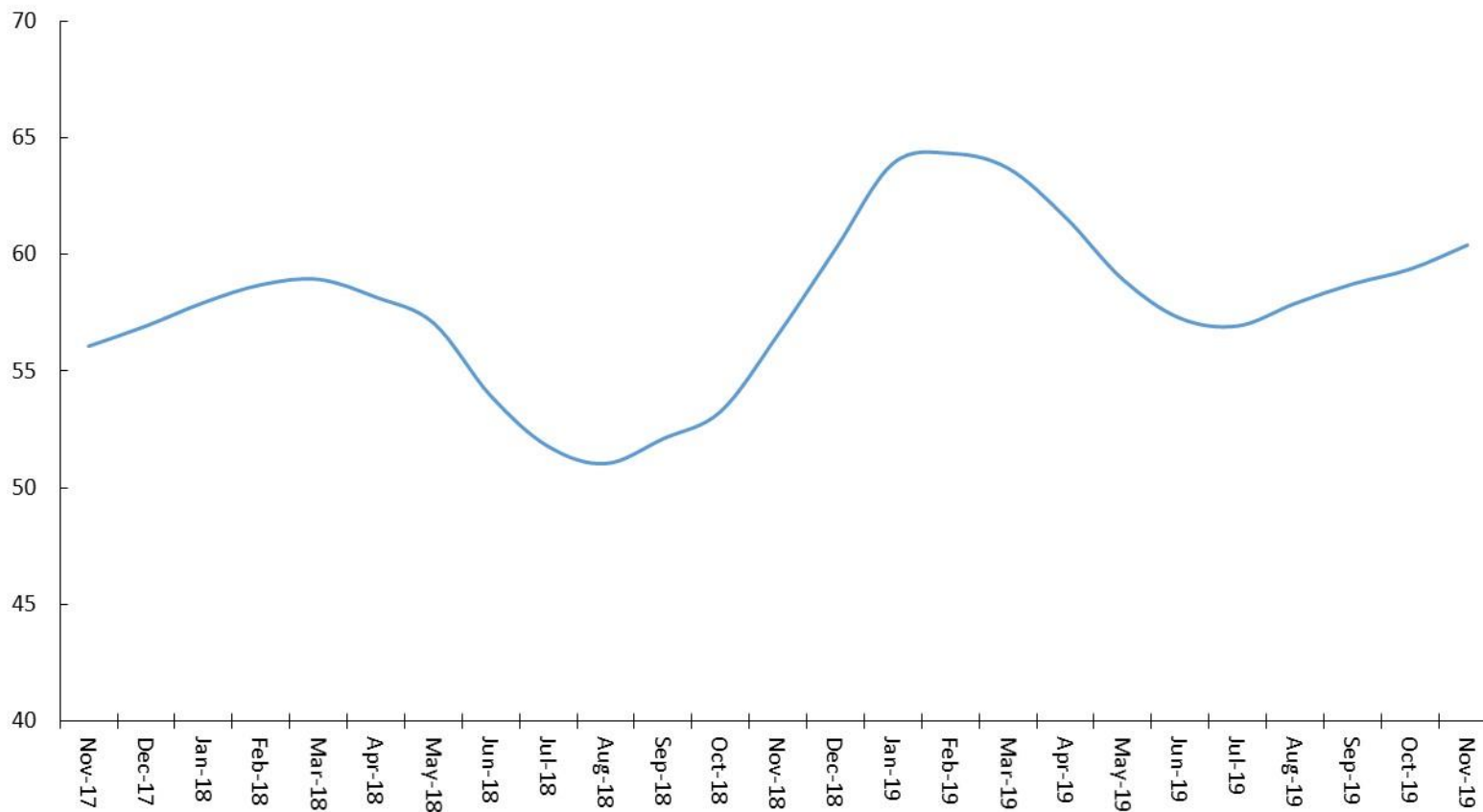
Source: IBGE, Monthly Survey of Services (PMS).

Other Monthly Economic Activity Indicators

ECONOMIC ACTIVITY

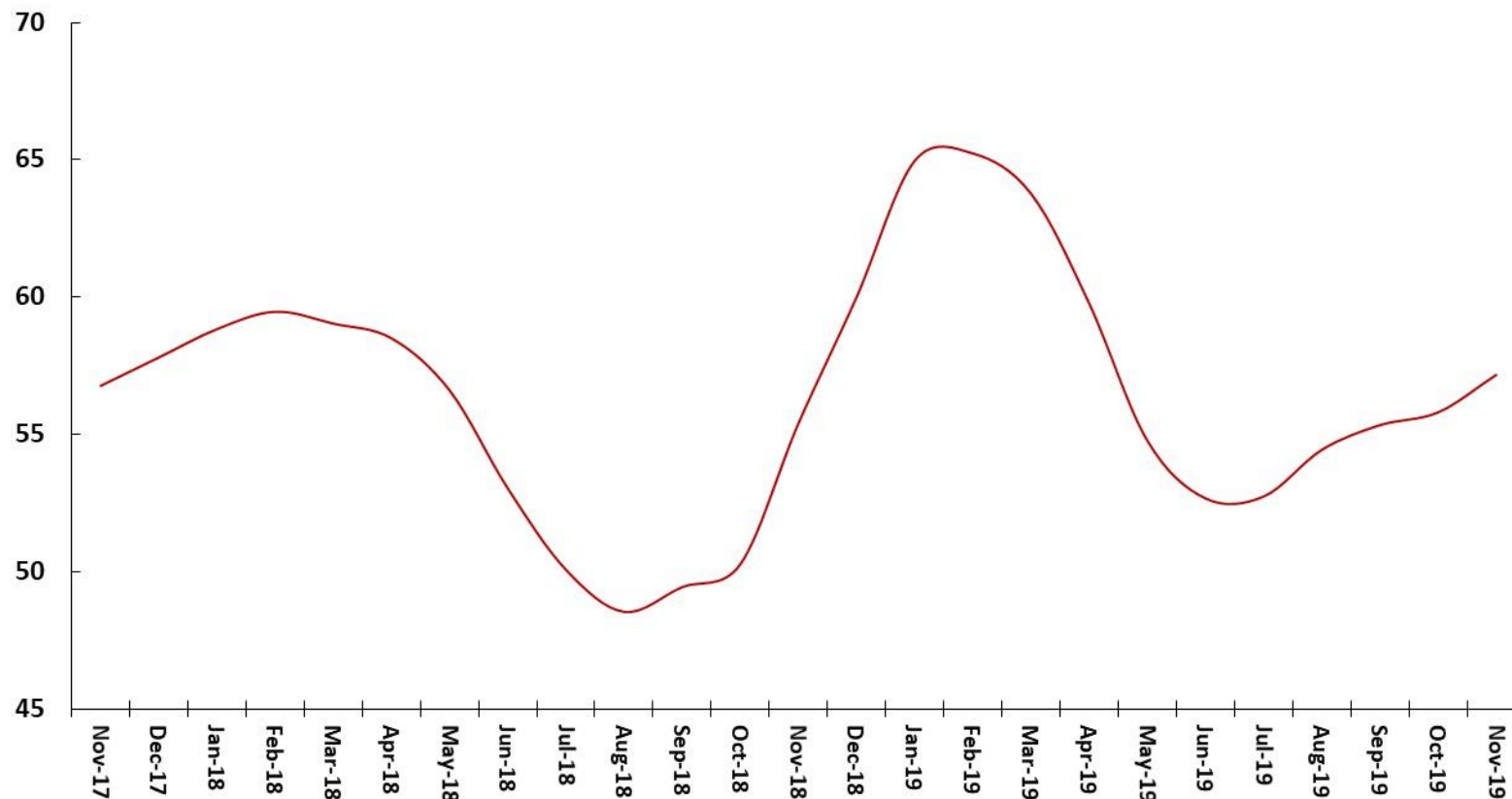
	Last update (m / y)	Annual change % (y-1)	change % (m-1 / y) / (m-1 / y-1)	change % (m / y) / y-1	change % (m- 1/y) / (m-2/y) (seasonally adjusted)	change % (m/y) / (m-1/y) (seasonally adjusted)	Year-To-Date	(m-1 / y) accum. in 12-months	(m / y) accum. in 12-months	carry-over (y)
Industry Indicators (CNI)										
Real Sales Revenue	Oct-19	-0.1%	0.0%	3.5%	0.7%	1.3%	-1.1%	-1.6%	-1.3%	-1.0%
Working Hours in Production	Oct-19	-2.1%	0.4%	0.1%	-0.1%	-0.1%	-0.4%	-0.4%	-0.5%	-0.6%
Capacity Utilization - UCI	Oct-19	0.4%	0.5%	0.6%	0.3%	0.1%	0.1%	-0.2%	-0.1%	0.2%
Industry Inventories (CNI) - Final Goods - planned x realize	Nov-19	1.0%	0.4%	0.6%	0.1%	0.4%	1.4%	1.2%	1.1%	1.4%
Business Confidence - ICEI (CNI)	Nov-19	19.7%	10.4%	-1.1%	0.6%	2.3%	8.0%	9.3%	8.1%	7.2%
Sao Paulo Industry Confidence - ICEI-SP (FIESP)	Nov-19	26.1%	8.9%	-7.7%	1.7%	4.7%	5.0%	7.2%	5.3%	4.0%
Industry Capacity Utilization - NUCI (FGV)	Nov-19	0.7%	-0.5%	0.0%	0.4%	#VALOR!	-1.1%	-1.0%	-1.0%	-0.8%
Industry Confidence (FGV)	Nov-19	12.5%	-0.1%	0.2%	-1.0%	1.8%	-2.4%	-2.7%	-2.5%	-2.1%
Consumer Confidence (FGV)	Nov-19	13.1%	4.4%	-4.0%	-0.3%	-0.6%	3.5%	4.7%	3.8%	2.9%
Services Confidence (FGV)	Nov-19	14.6%	4.4%	1.5%	-0.4%	1.5%	3.7%	4.4%	3.9%	3.4%
Construction Confidence (FGV)	Nov-19	8.5%	6.9%	5.0%	0.5%	1.7%	4.3%	4.6%	4.3%	4.3%
Retail Confidence (FGV)	Nov-19	15.2%	4.0%	-1.6%	1.2%	-0.6%	3.8%	5.1%	4.3%	2.9%
Supermarket Sector Total Retail Sales (ABRAS)	Oct-19	1.3%	2.0%	5.9%	-0.7%	0.8%	3.6%	3.3%	3.6%	3.7%
Natural Gas and Oil Production (ANP)	Oct-19	4.4%	17.9%	13.2%	-3.6%	1.3%	5.4%	3.4%	4.6%	6.5%
Electric Energy Consumption - Total (EPE)	Oct-19	1.2%	0.7%	1.6%	0.7%	0.9%	1.1%	1.2%	1.1%	1.1%
Industry Consumption (EPE)	Oct-19	1.3%	-1.9%	-2.0%	-0.1%	1.2%	-1.6%	-1.2%	-1.6%	-1.4%
Electric Energy System Supply (ONS)	Oct-19	1.3%	-0.7%	2.4%	0.3%	1.7%	0.0%	1.8%	2.0%	1.3%
Corrugated Fiberboard Sales (ABPO)	Oct-19	5.1%	1.4%	2.2%	1.3%	0.6%	0.7%	0.6%	0.4%	0.9%
Heavy Vehicles Road Traffic (ABCR)	Oct-19	1.7%	0.0%	4.8%	-0.6%	1.5%	3.7%	3.3%	3.7%	3.9%
Total Vehicles Production (ANFAVEA)	Nov-19	7.5%	9.6%	-7.1%	0.8%	-9.8%	1.0%	1.3%	1.0%	0.5%
Car Production	Nov-19	6.1%	8.0%	-8.9%	1.9%	-10.7%	1.2%	1.6%	1.2%	0.7%
Commercial Vehicles Production	Nov-19	32.5%	3.9%	-12.7%	-3.2%	-9.8%	8.8%	12.0%	8.8%	8.5%
Total Vehicles Exports (ANFAVEA)	Nov-19	-13.8%	-22.6%	-7.9%	-15.9%	-4.2%	-34.6%	-37.8%	-34.6%	-34.8%
Total Vehicles Sales/Licensing (FENABRAVE)	Nov-19	14.0%	-0.5%	4.9%	-1.2%	3.5%	8.5%	9.2%	8.5%	9.4%
Domestic Vehicles Sales/Licensing	Nov-19	12.5%	1.1%	6.6%	-0.8%	3.5%	10.1%	10.6%	10.1%	11.1%
Imported Vehicles Sales/Licensing	Nov-19	26.2%	-13.3%	-8.7%	-3.5%	0.1%	-3.6%	-1.5%	-3.6%	-2.9%

Business Confidence Index – ICEI
3-month moving average



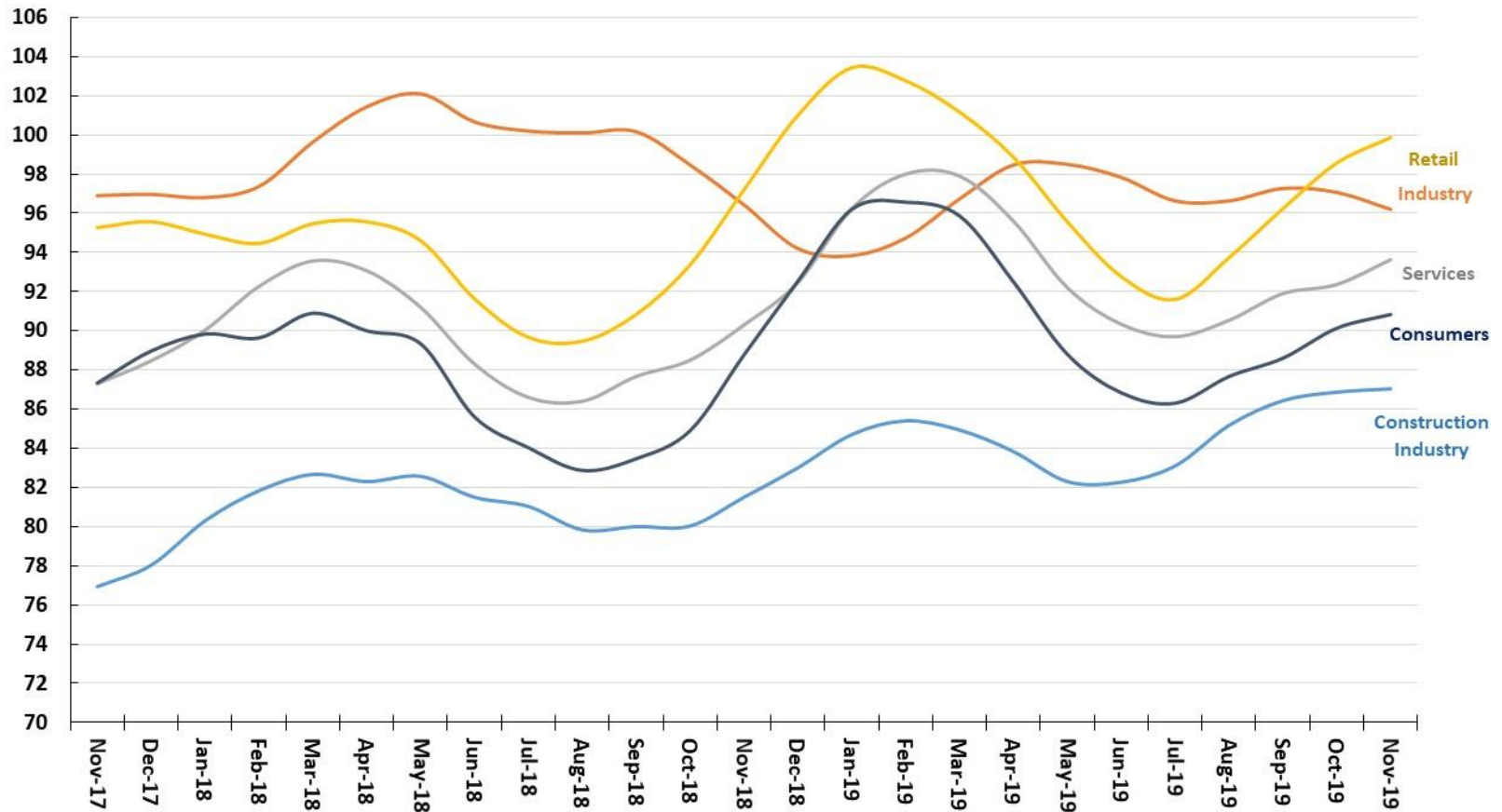
Source: CNI.

Sao Paulo Industry Confidence - ICEI-SP
3-month moving average



Source: FIESP.

Economic Confidence Indicators
3-month moving average



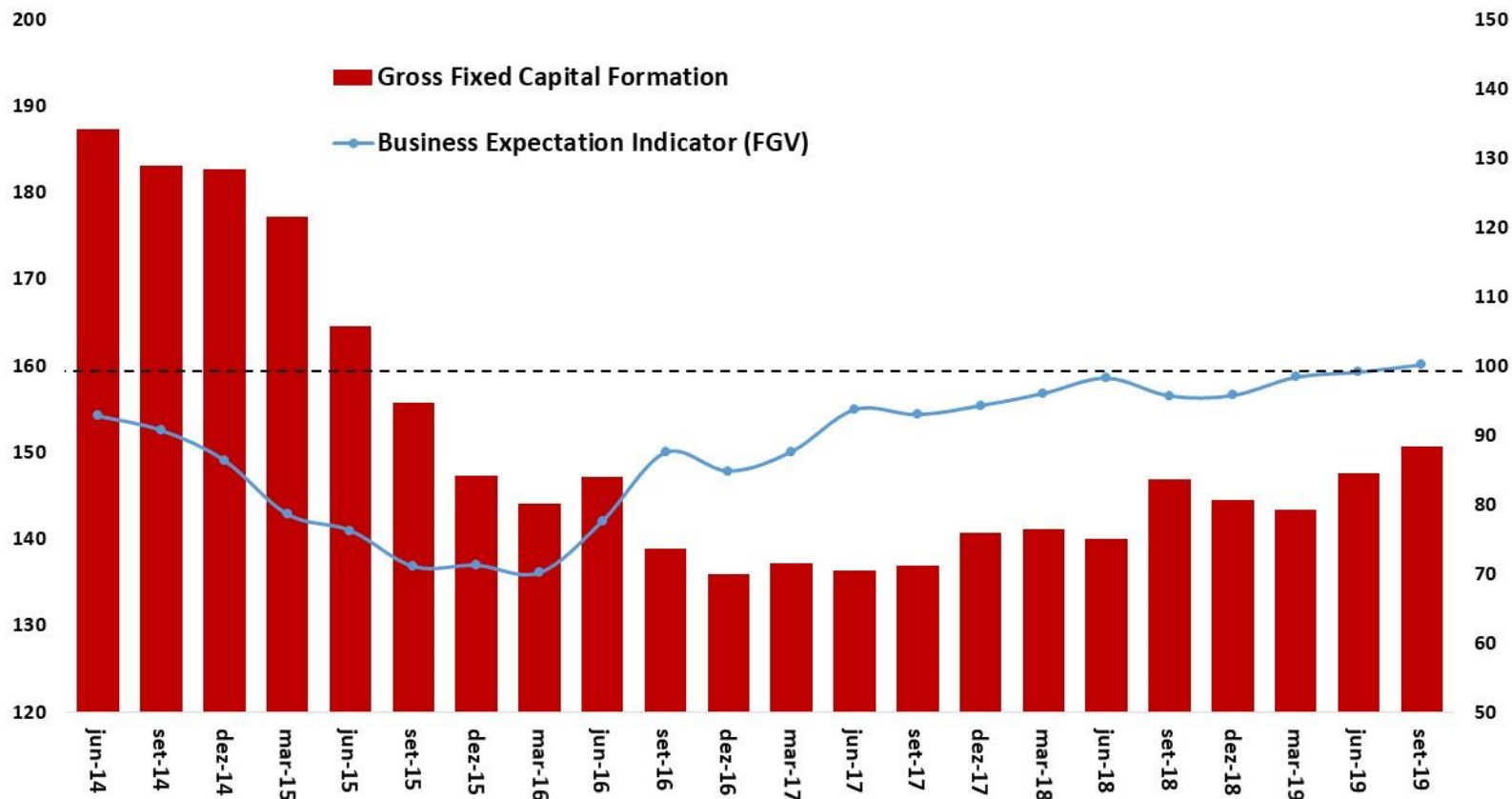
Source: IBRE/FGV.

Gross Fixed Capital Formation and Investment Intention

ECONOMIC ACTIVITY

Gross Fixed Capital Formation (Quarterly National Accounts)
Chained Series of the Seasonally Adjusted Index: 1995=100

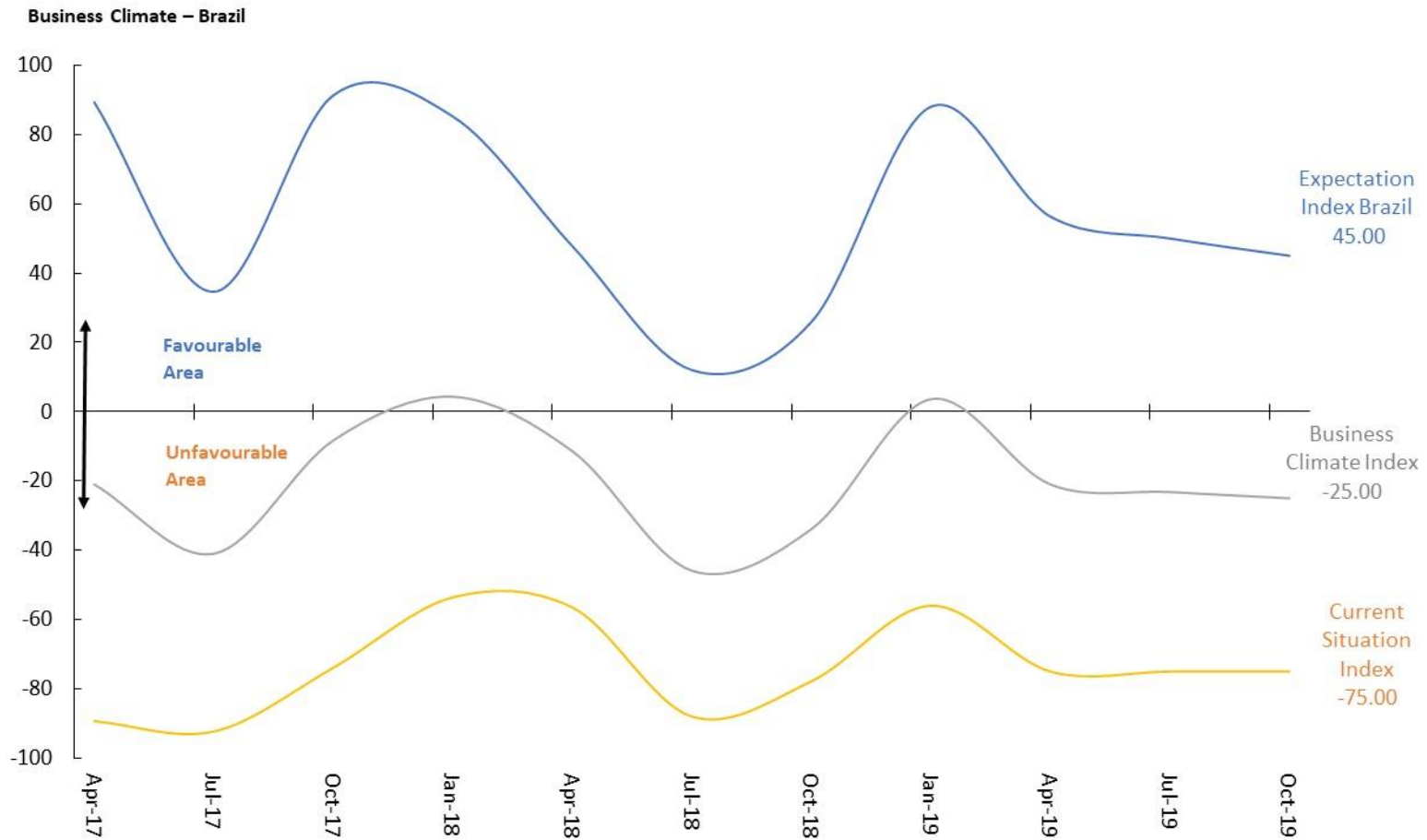
Business Expectation Indicator*
IBRE/FGV Investments Survey



Source: IBGE e IBRE/FGV.

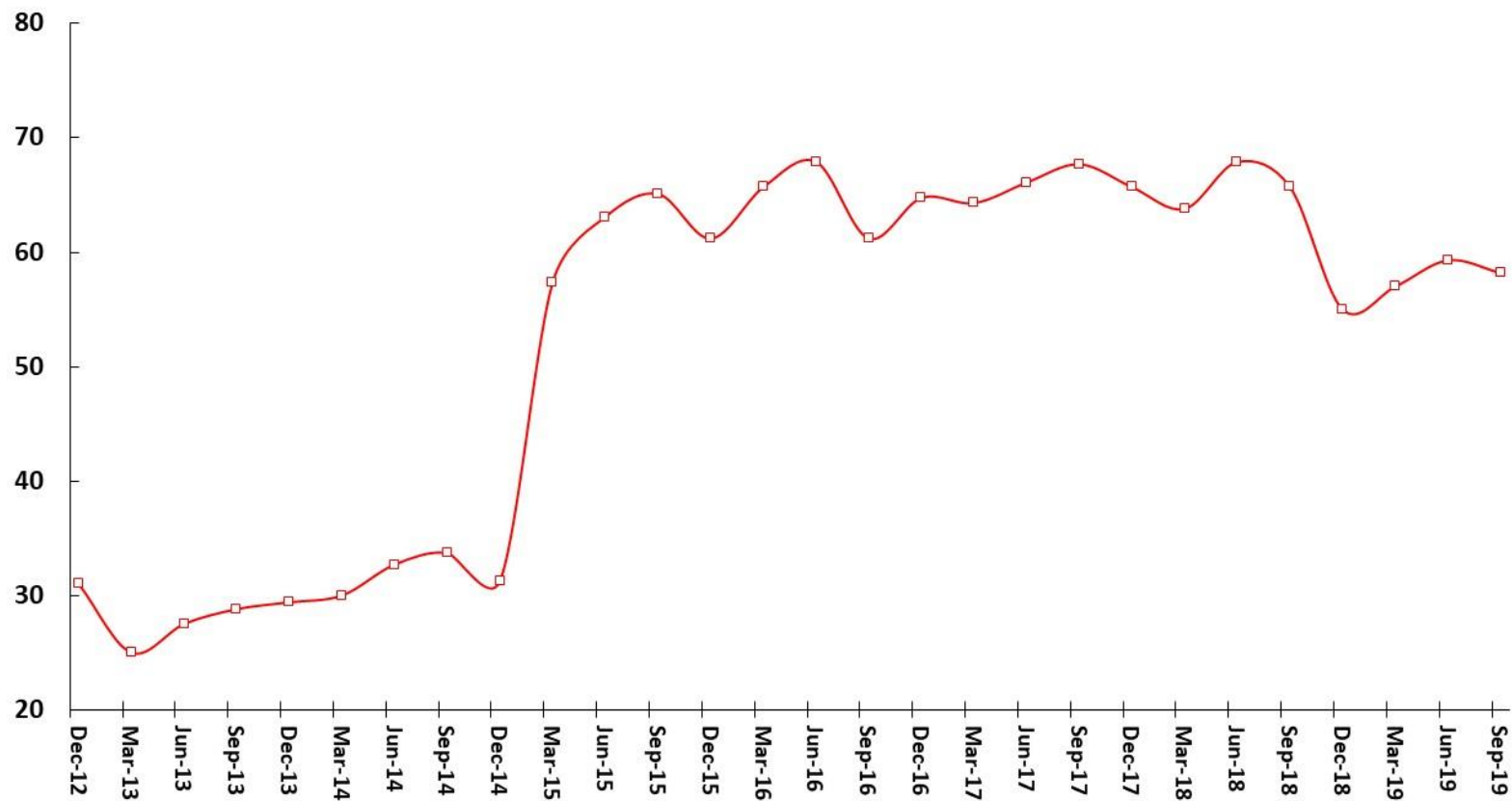
*Note: Measures the difference between positive and negative answers, plus 100.

IFO / FGV: Business Climate Index - Brazil



Source: IFO and FGV.

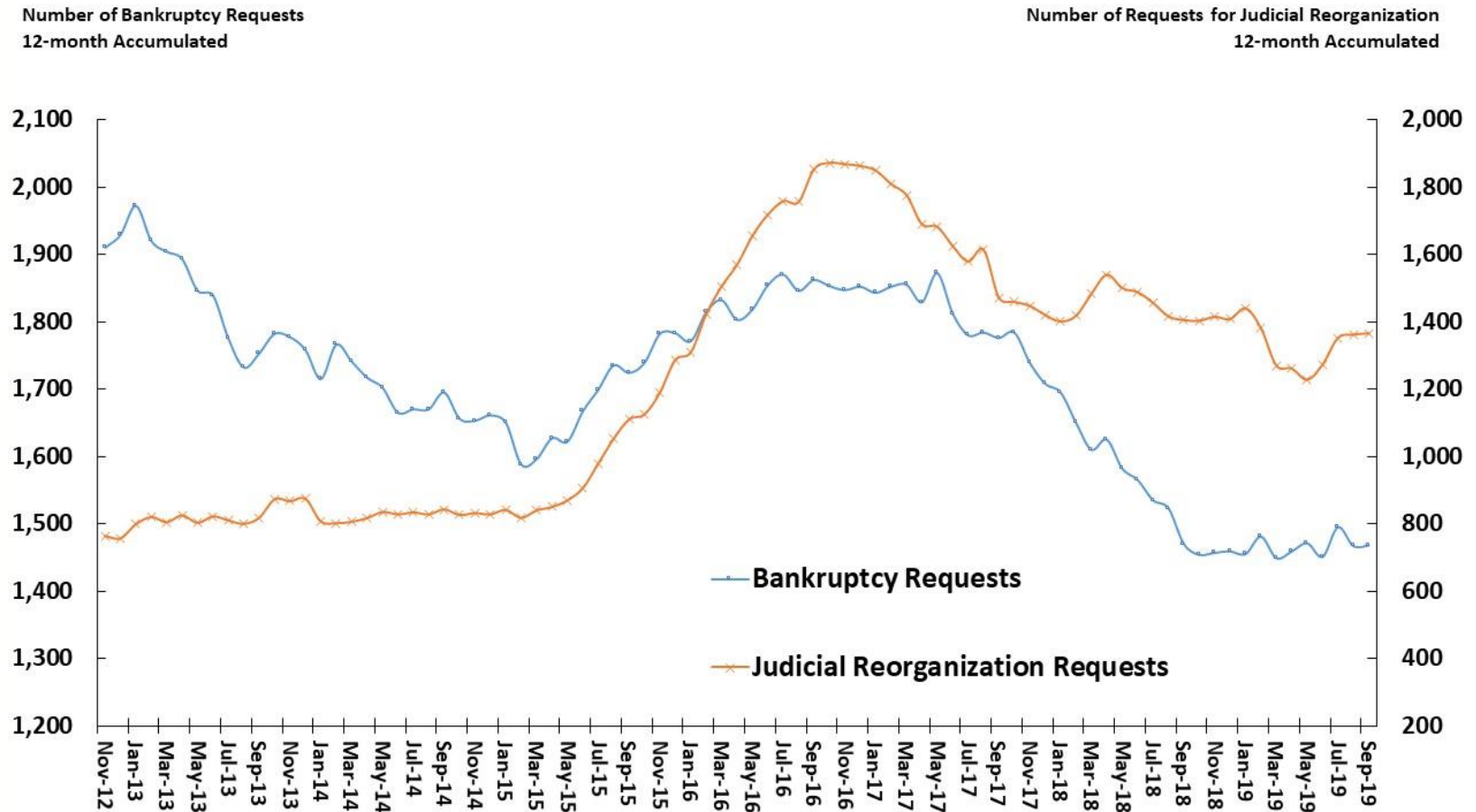
Fear of Unemployment and Life Satisfaction (CNI)
3-month moving average



Source: CNI.

Bankruptcy and Judicial Reorganization Requests

ECONOMIC ACTIVITY

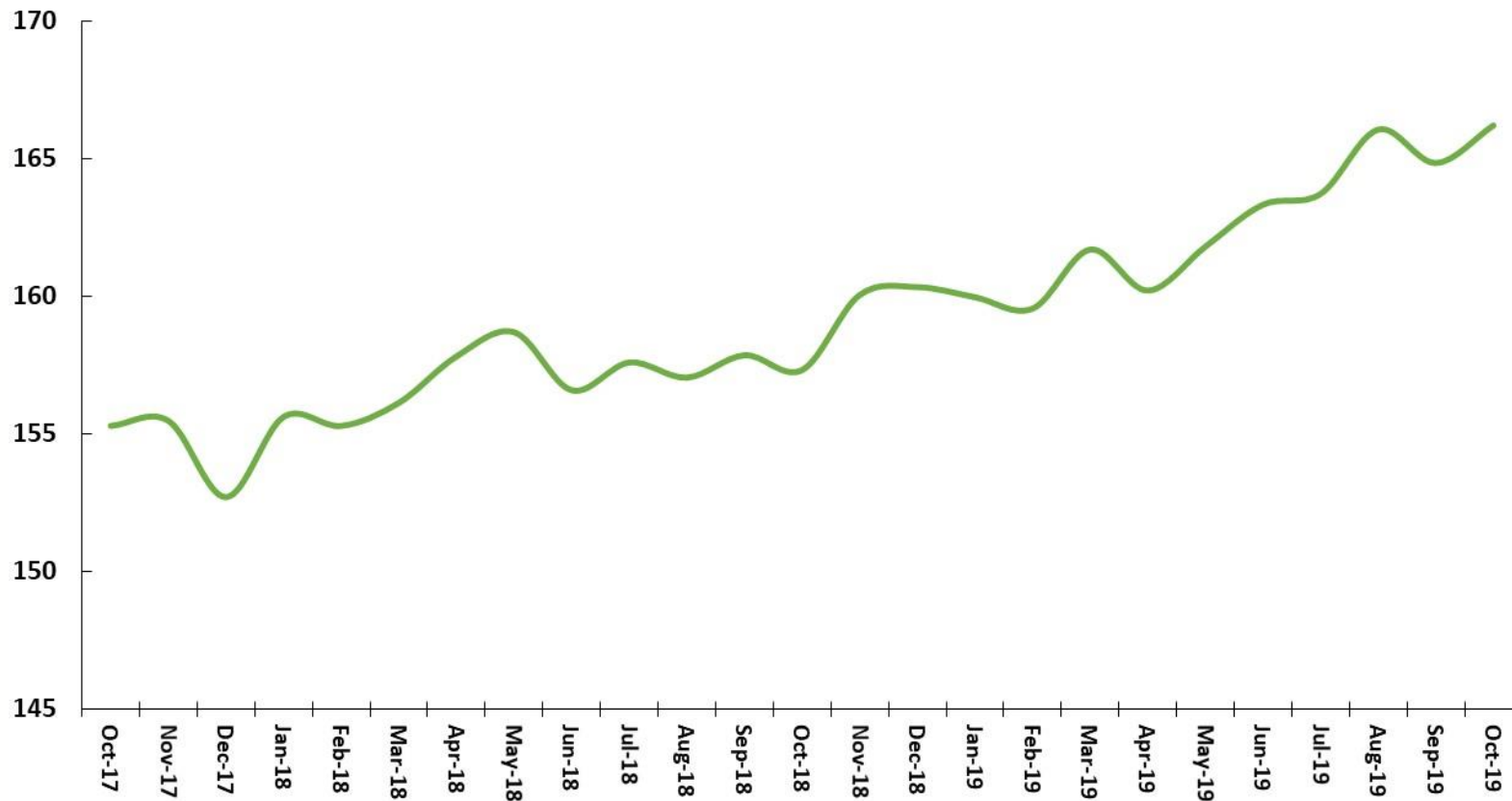


Source: Serasa-Experian.

ABRAS: Supermarket Sector Total Retail Sales

ECONOMIC ACTIVITY

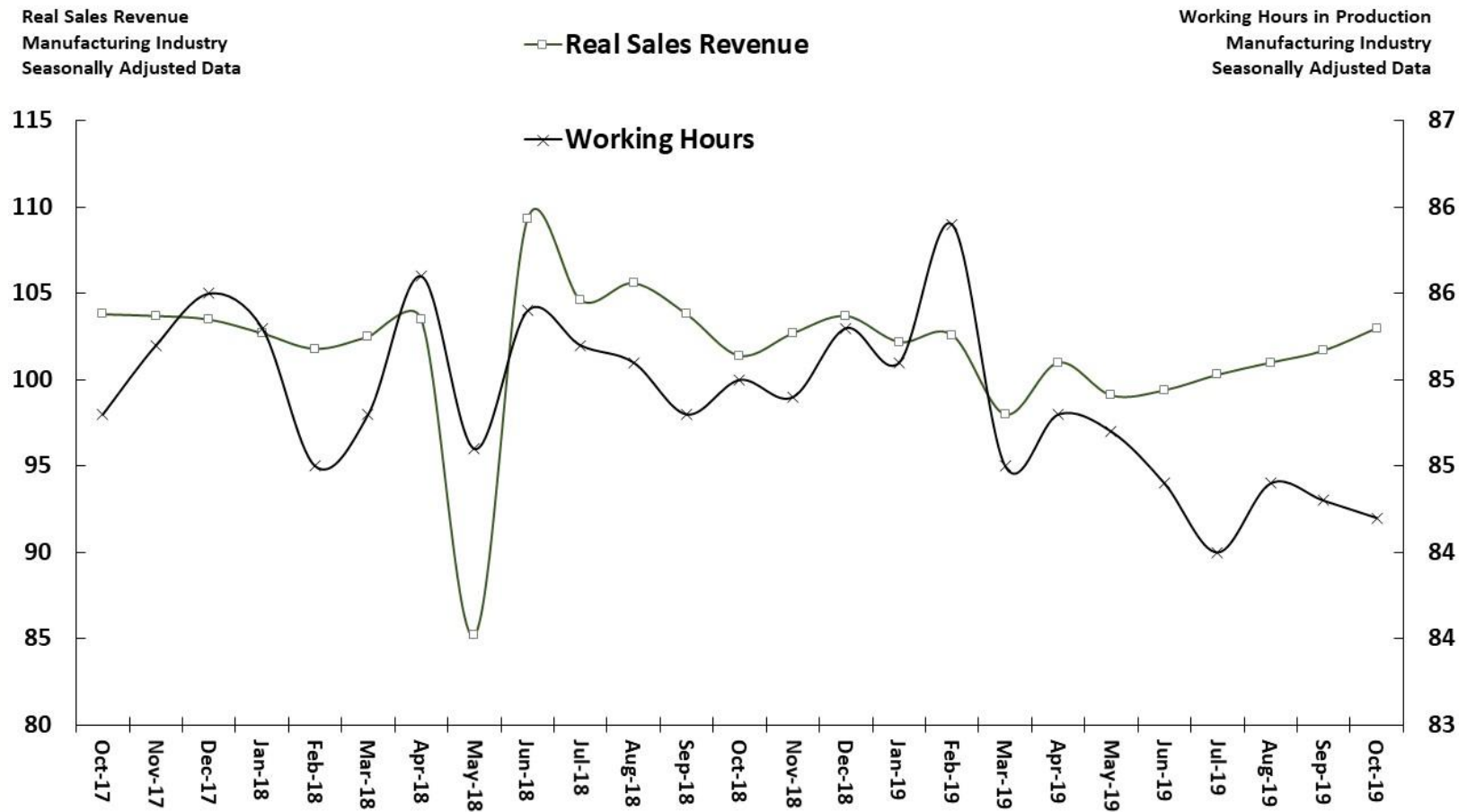
Total Retail Sales
Seasonally Adjusted Data*



Source: ABRAS. * Seasonally adjusted by SPE.

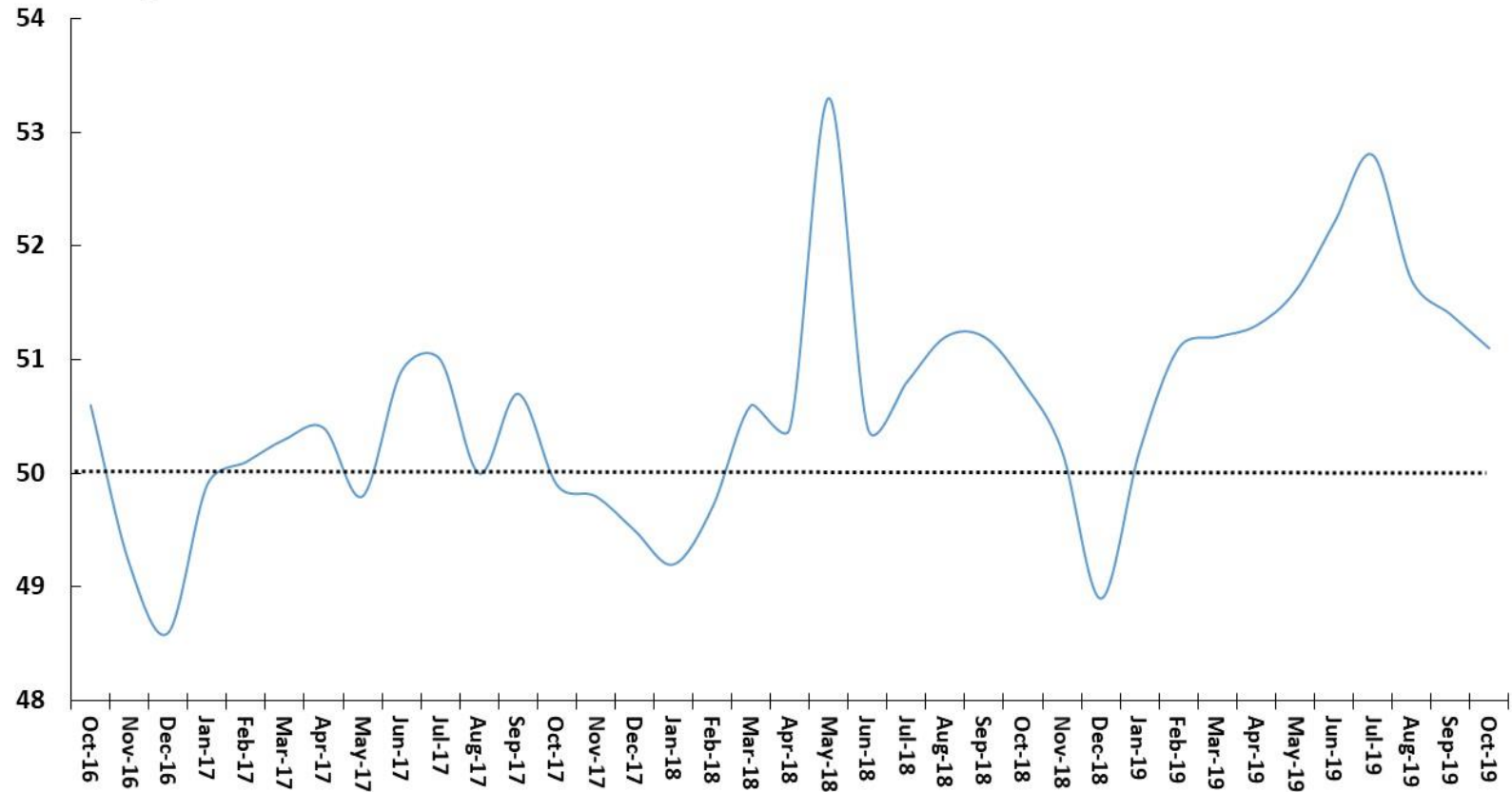
CNI: Industry Real Sales Revenues and Working Hours

ECONOMIC ACTIVITY



Source: CNI.

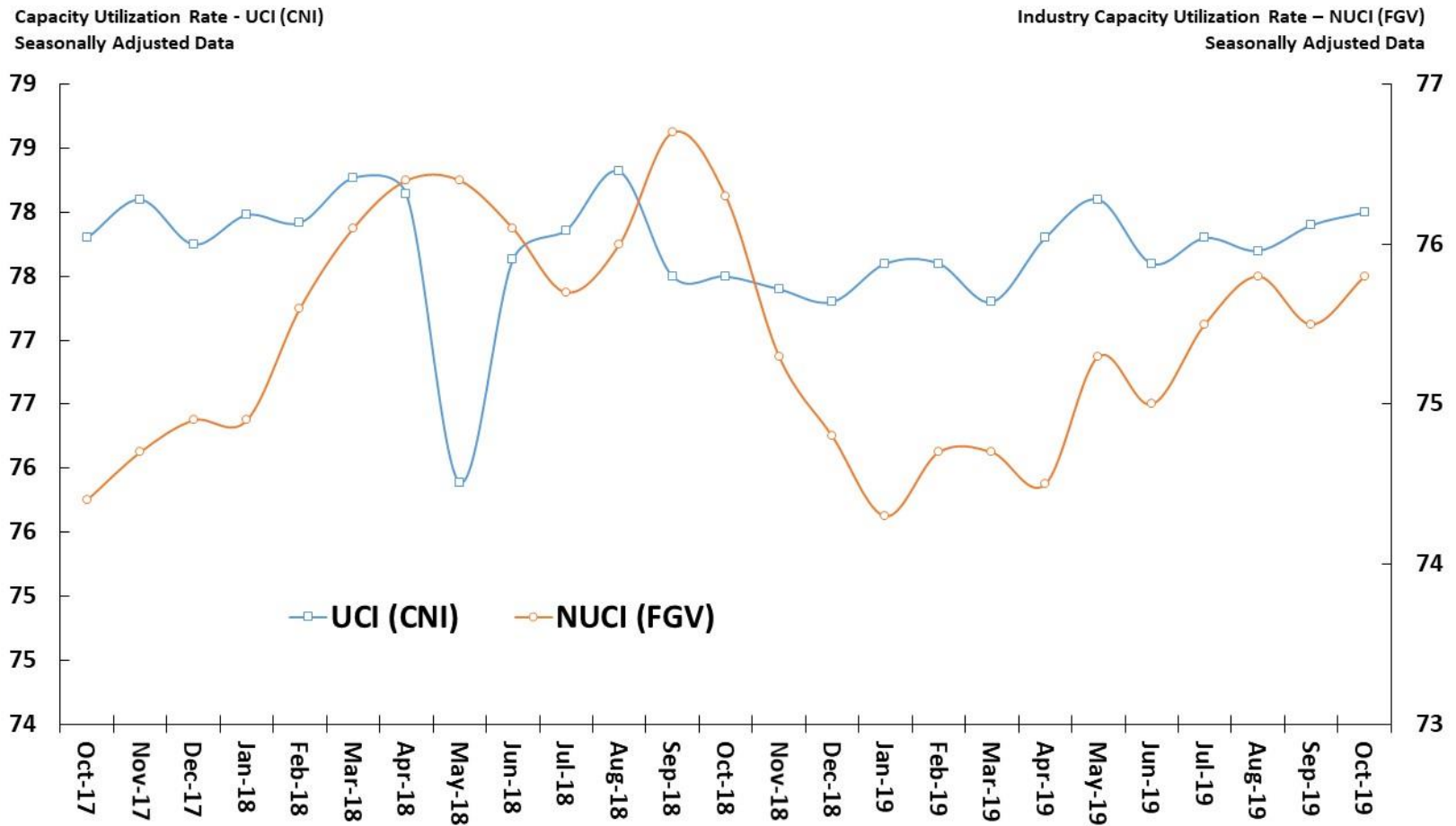
General Industry Inventories Level
Final Goods - planned x effective



Source: CNI.

Capacity Utilization Rate

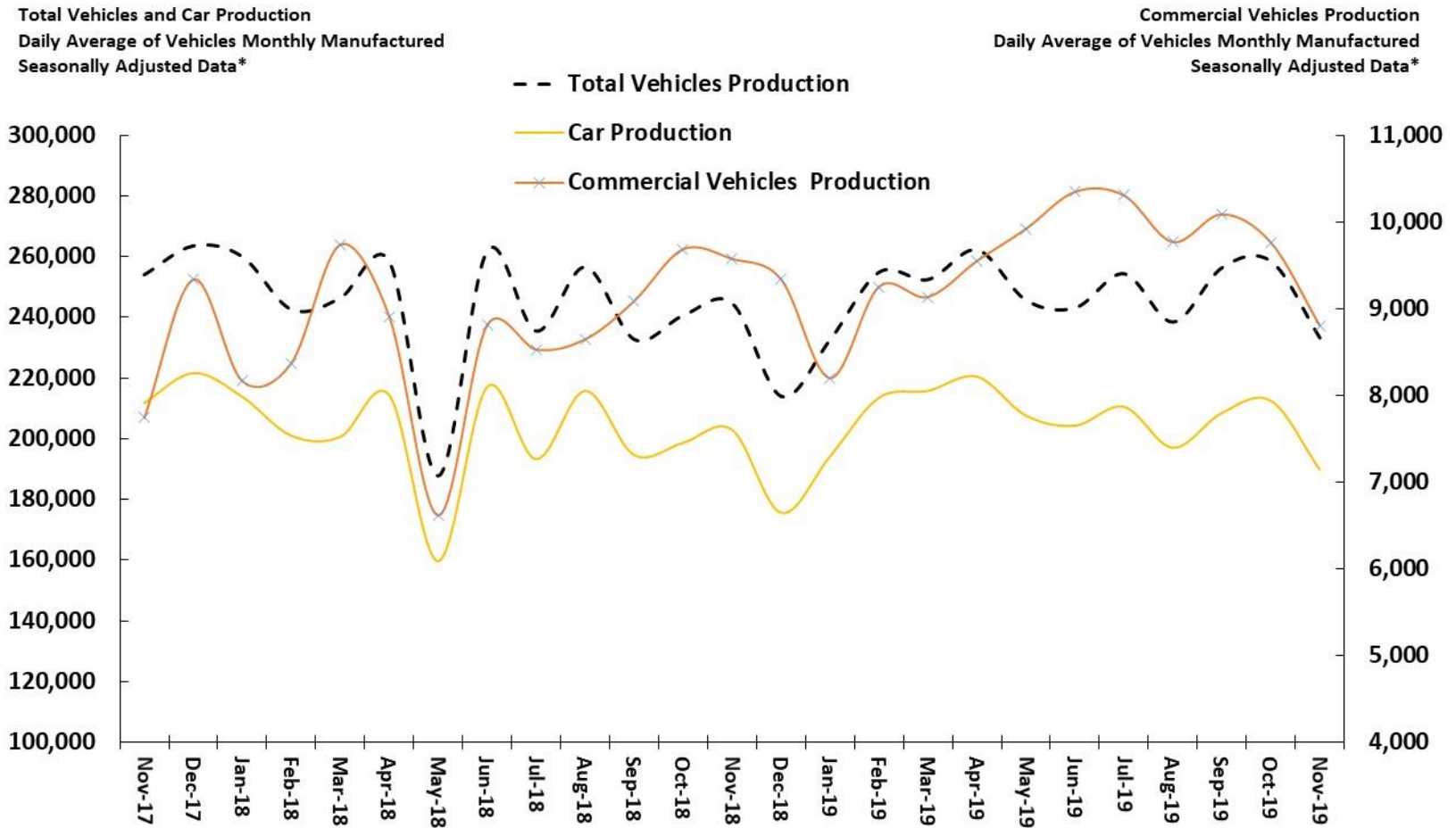
ECONOMIC ACTIVITY



Source: CNI and FGV.

Anfavea: Automotive Sector Production

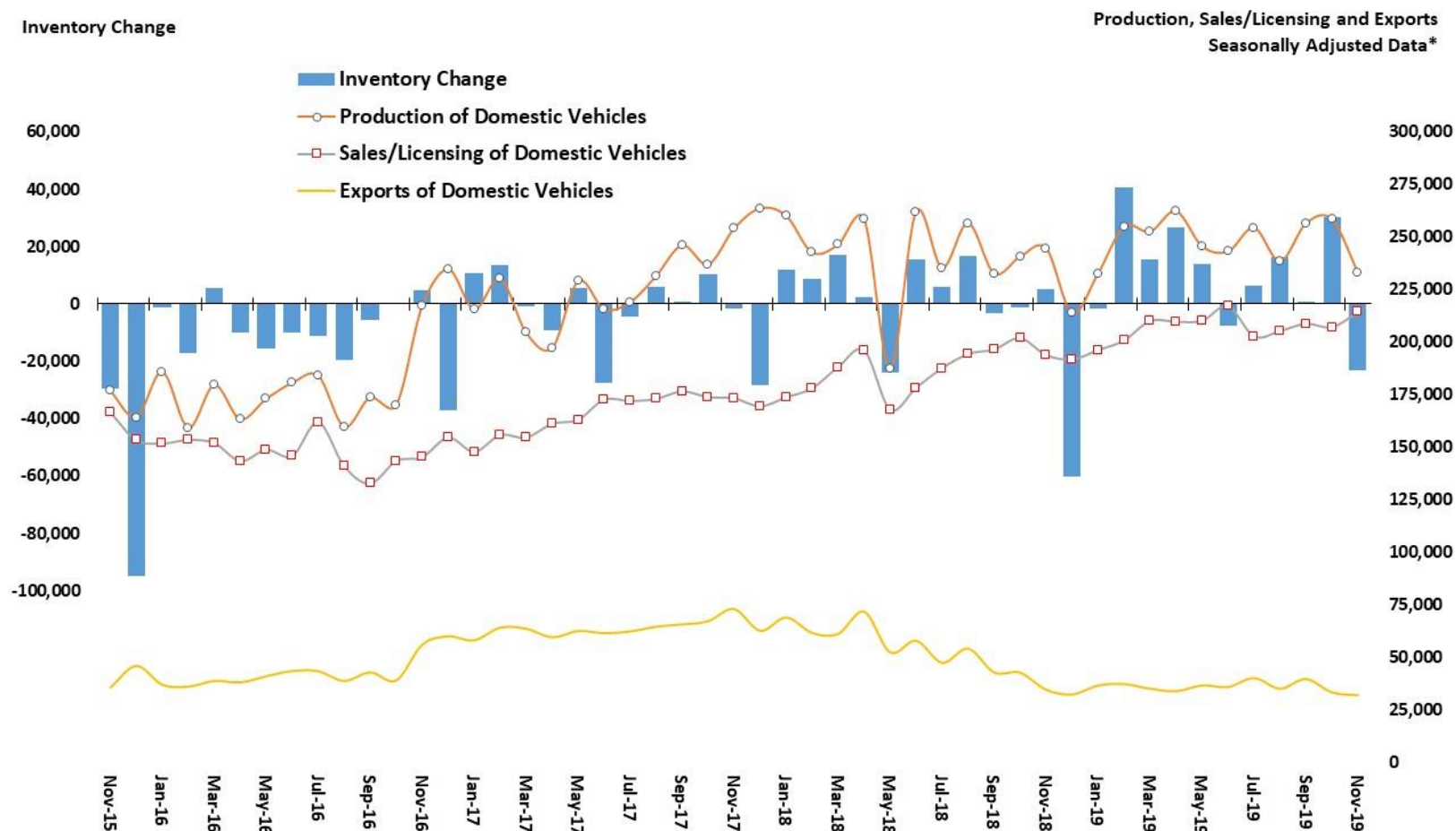
ECONOMIC ACTIVITY



Source: ANFAVEA. * Seasonally adjusted by SPE.

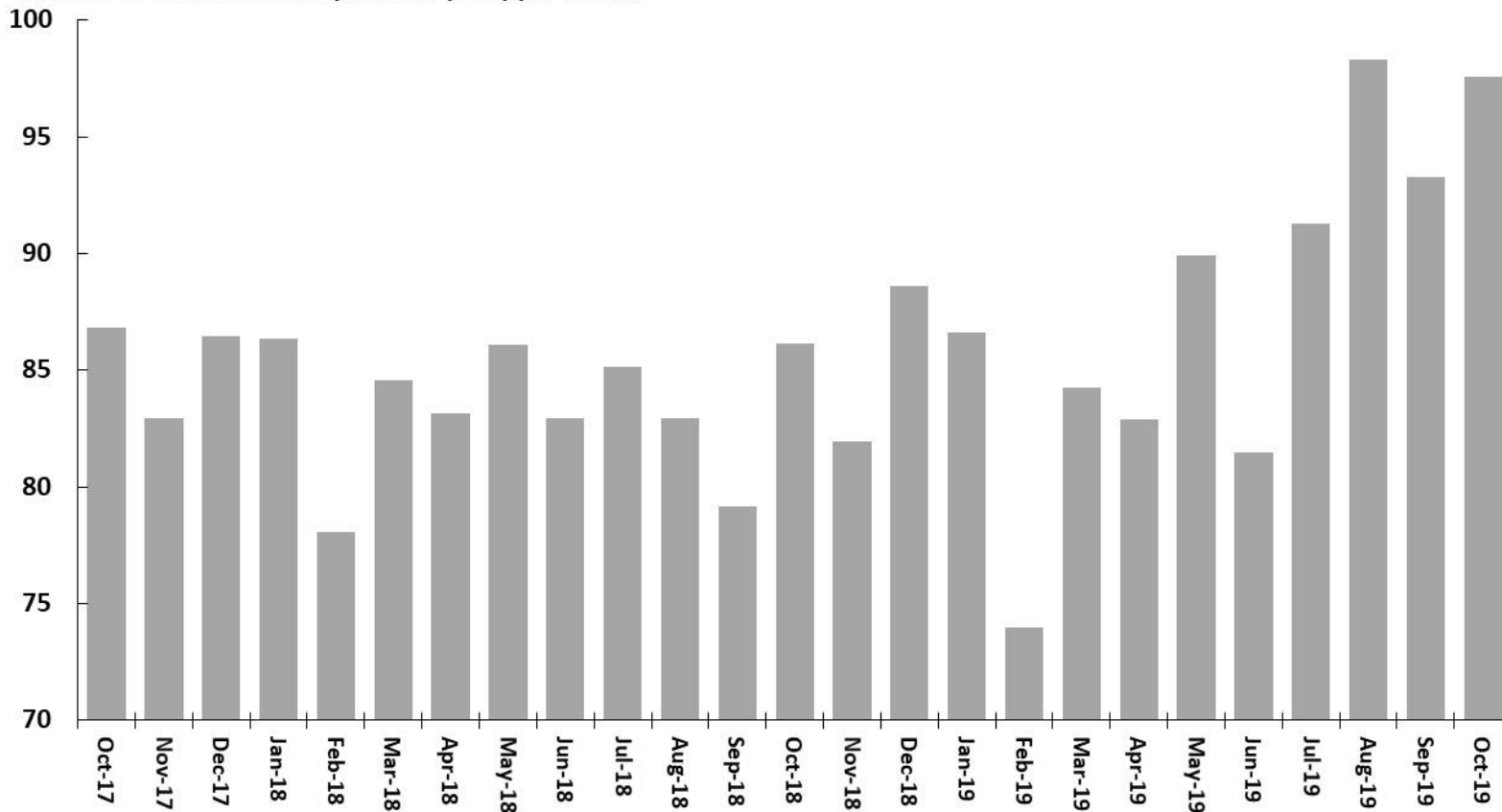
Automotive Sector Production, Sales and Inventory Change

ECONOMIC ACTIVITY



Source: ANFAVEA and FENABRAVE. * Seasonally adjusted by SPE.

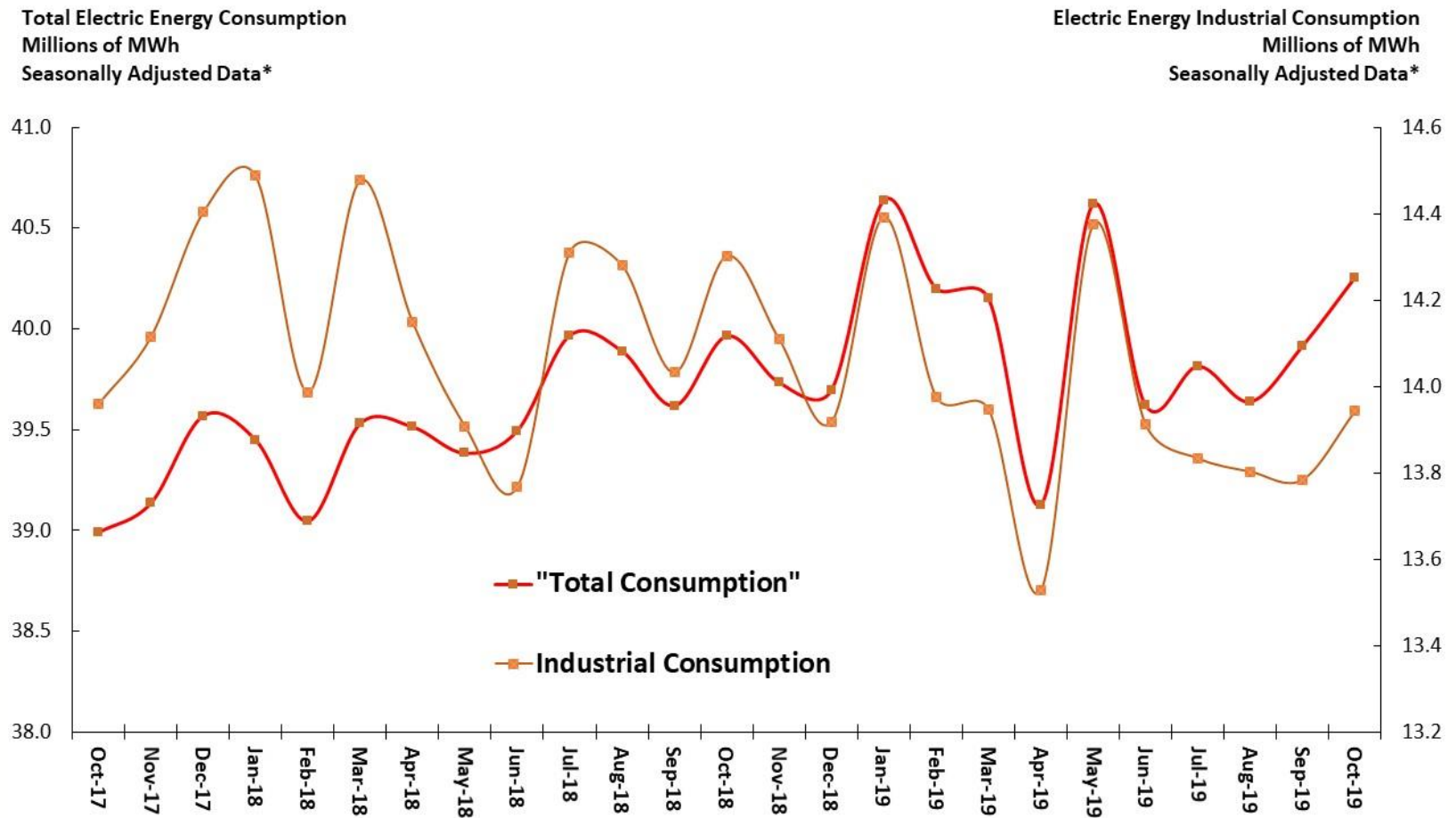
Natural Gas and Oil Production
Millions of Barrels of Oil Equivalent (BOE) per Month



Source: ANP.

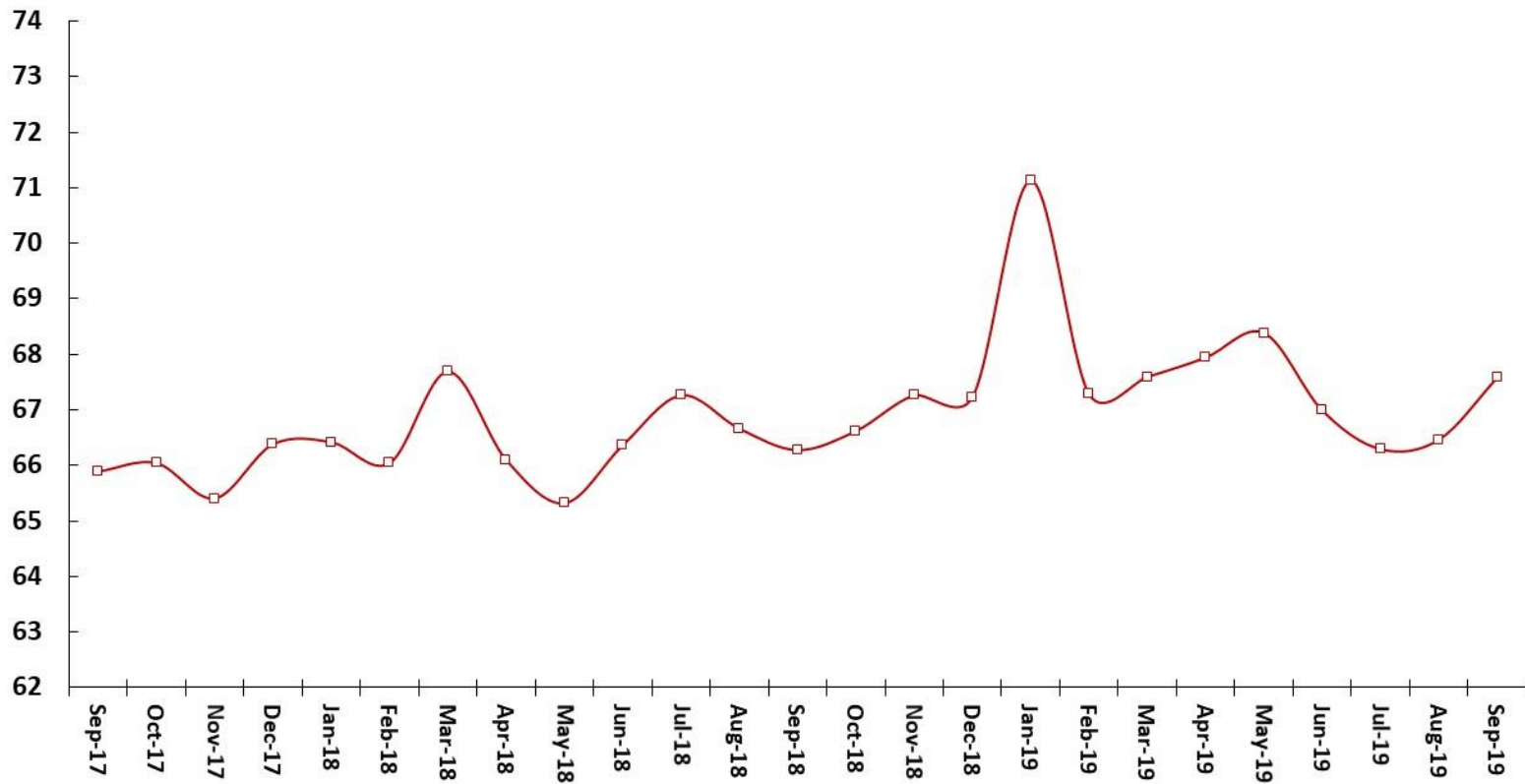
ANEEL: Electrical Energy Consumption

ECONOMIC ACTIVITY



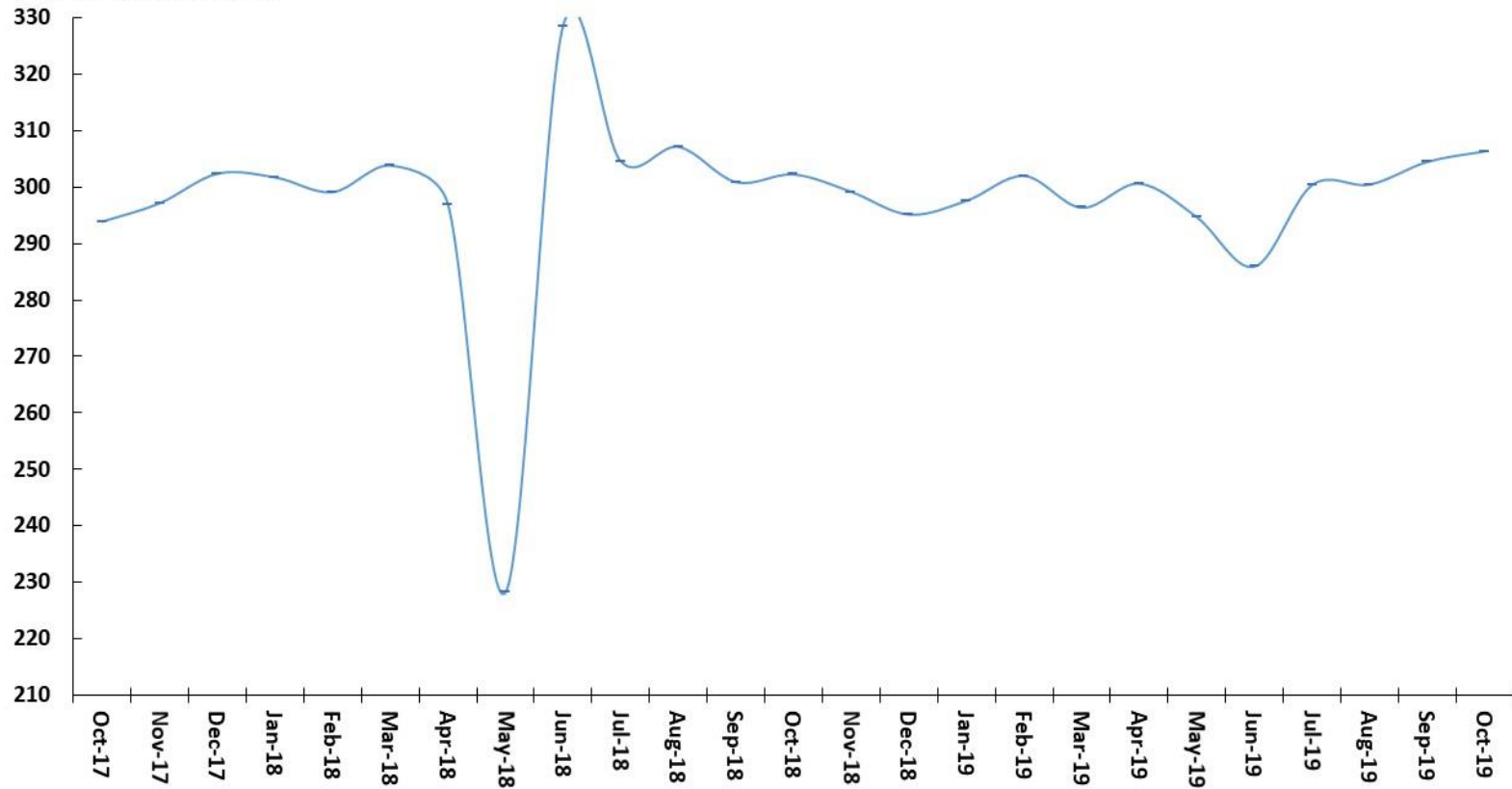
Source: ANEEL. * Seasonally adjusted by SPE/MP.

Electric Energy System Supply
Millions of MWh
Seasonally Adjusted Data*



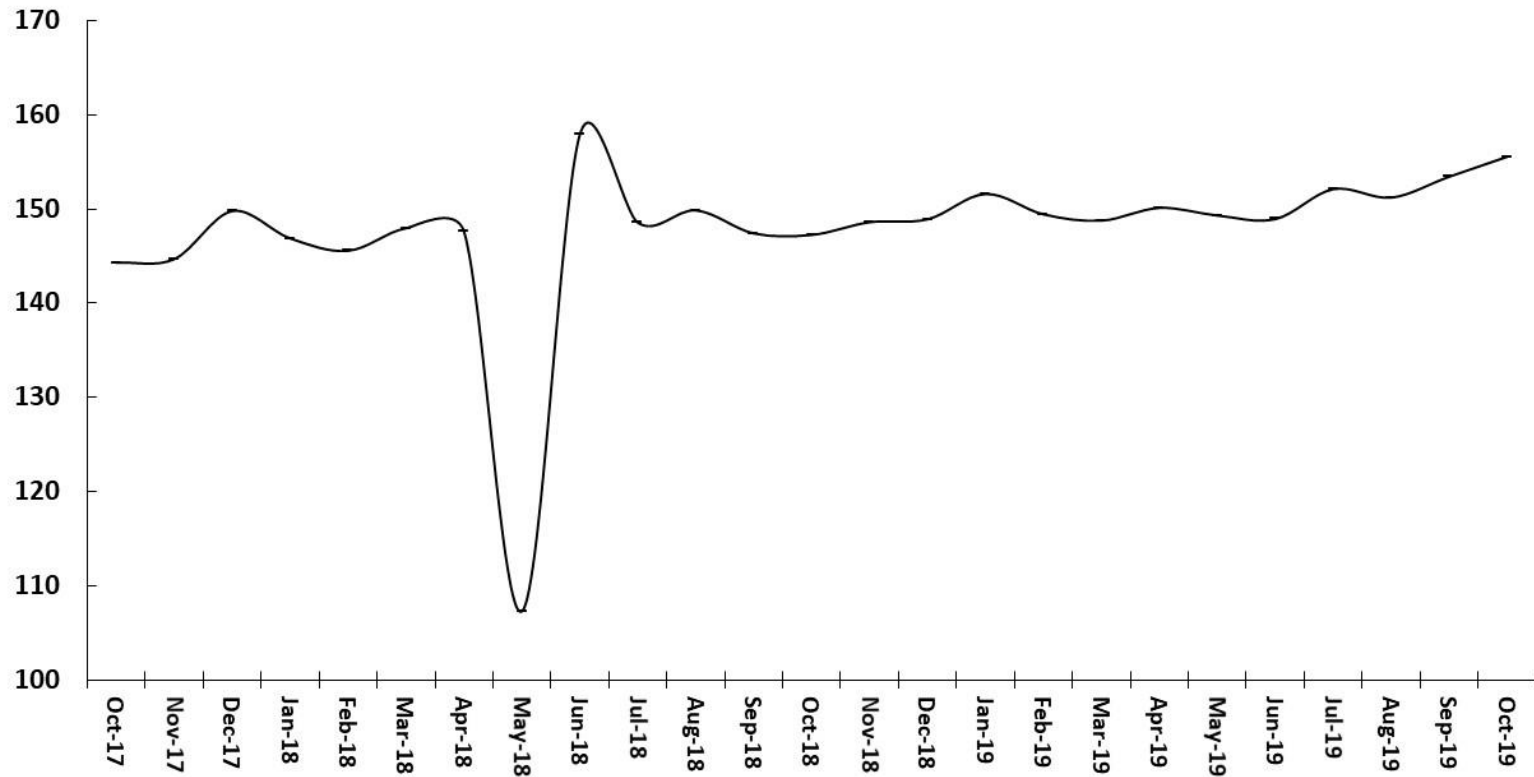
Source: ONS. * Seasonally adjusted by SPE.

Corrugated Fiberboard Sales
1.000 of Tons
Seasonally Adjusted Data*



Source ABPO. * Seasonally adjusted by SPE.

Heavy Vehicles Road Traffic Index
Index: 1999=100
Seasonally Adjusted Data



Source: ABCR.

Labor market

Employment Indicators	October-19	2017 average	2018 average	Oct/19 (12-months moving average)	Oct-19	chg.% 2018 / 2017	chg.% Sep/19- Sep/18	chg.% Oct/19- Oct/18	chg.% YTD 2018 / YTD 2017	chg.% Oct/19 - 2017 average
Brasil (PNADC, IBGE)										
Unemployment Rate % Labor Force		11.3	12.8	12.3	11.6	1.5 pp	-0.4 pp	-0.2 pp	-0.5 pp	-1.2 pp
Unemployed Population (in thousands)		166,189	168,210	169,838	170,566	1.2%	0.9%	0.9%	1.0%	1.4%
Labor Force (in thousands)		102,033	103,743	104,635	105,197	1.7%	0.8%	0.7%	0.9%	1.4%
Employed Population (in thousands)		90,539	90,495	91,807	93,002	0.0%	1.3%	1.0%	1.4%	2.8%
Working Age Population (in thousands)		11,494	13,248	12,828	12,195	15.3%	-2.9%	-0.9%	-3.2%	-7.9%
Average Real Earnings (PNADC, IBGE)	October-19	2017 average	2018 average	Oct/19 (12-months moving average)	Oct-19	chg.% 2018 / 2017	chg.% Sep/19- Sep/18	chg.% Oct/19- Oct/18	chg.% YTD 2018 / YTD 2017	chg.% Oct/19 - 2017 average
real values (in R\$ of last month)										
Employed Population		2,175	2,226	2,245	2,254	2.3%	0.1%	0.6%	0.8%	1.3%
Formal Contract		2,095	2,137	2,147	2,129	2.0%	-1.5%	-2.2%	0.4%	-0.4%
Informal Contract		1,277	1,284	1,315	1,371	0.6%	4.9%	11.8%	2.4%	6.7%
Self-employed		1,641	1,624	1,638	1,670	-1.0%	1.0%	2.5%	0.9%	2.8%
Public Sector		3,415	3,474	3,556	3,596	1.7%	2.6%	3.8%	2.4%	3.5%
Real Wage Bill (in R\$ milions of last months)		191,990	196,352	200,947	204,592	2.3%	1.6%	1.7%	2.3%	4.2%
Formal Jobs (CAGED, MTE)	October-19	2017	2018	Sep/19 accum. in 12- months	Oct/19 accum. in 12-months	Year-To- Date	Oct-19	chg.% 2018 / 2017	chg.% Oct/19 accum.12-m / 2017	chg.% YTD 2018 / YTD 2017
Million people										
Net Formal Jobs Creation		-12	546	558	562	842	71	-4665.6%	2.9%	101.9%
Job Openings		14,763	15,491	16,010	16,053	13,824	1,365	4.9%	3.6%	104.2%
Job Separations		14,775	14,944	15,452	15,491	12,982	1,294	1.1%	3.7%	104.4%

Macroeconomic Parameters						
Year	Labor Force	Formal Jobs in Private Sector				
		Employed Population	Earnings		Wage Bill	
			Nominal	Real	Nominal	Real
	Chg. % accum. In 4-trimesters					
2014	1.14	3.56	8.77	2.26	12.61	5.89
2015	1.91	-2.45	8.06	-0.91	5.40	-3.33
2016	1.45	-3.89	7.57	-1.09	3.39	-4.95
2017	1.77	-2.71	5.71	2.23	2.86	-0.54
2018	0.86	-1.16	3.71	-0.06	2.51	-1.21
2019	1.62	0.90	3.23	-0.36	4.17	0.54
2020	1.34	2.05	4.12	0.74	6.26	2.80
2021	1.23	2.29	4.48	0.78	6.87	3.09
2022	1.14	2.69	4.53	0.89	7.33	3.60
2023	1.11	2.79	4.42	0.89	7.33	3.71

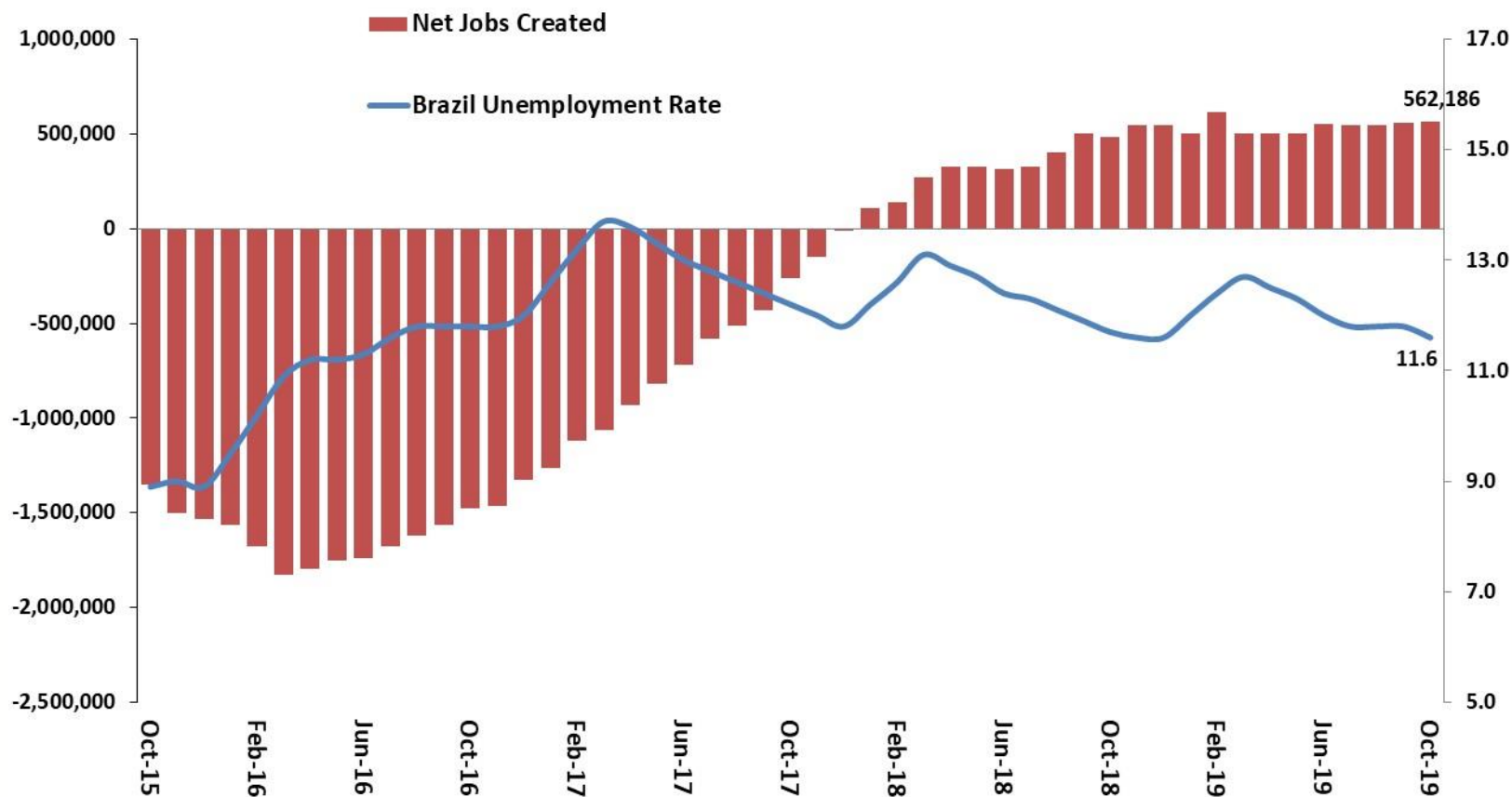
Source: SPE/ME. Macroeconomic Parameters, October-2019.

Unemployment Rate and Net Formal Job Creation

LABOR MARKET

Net Formal Jobs Creation
12-Month Accumulated Figures

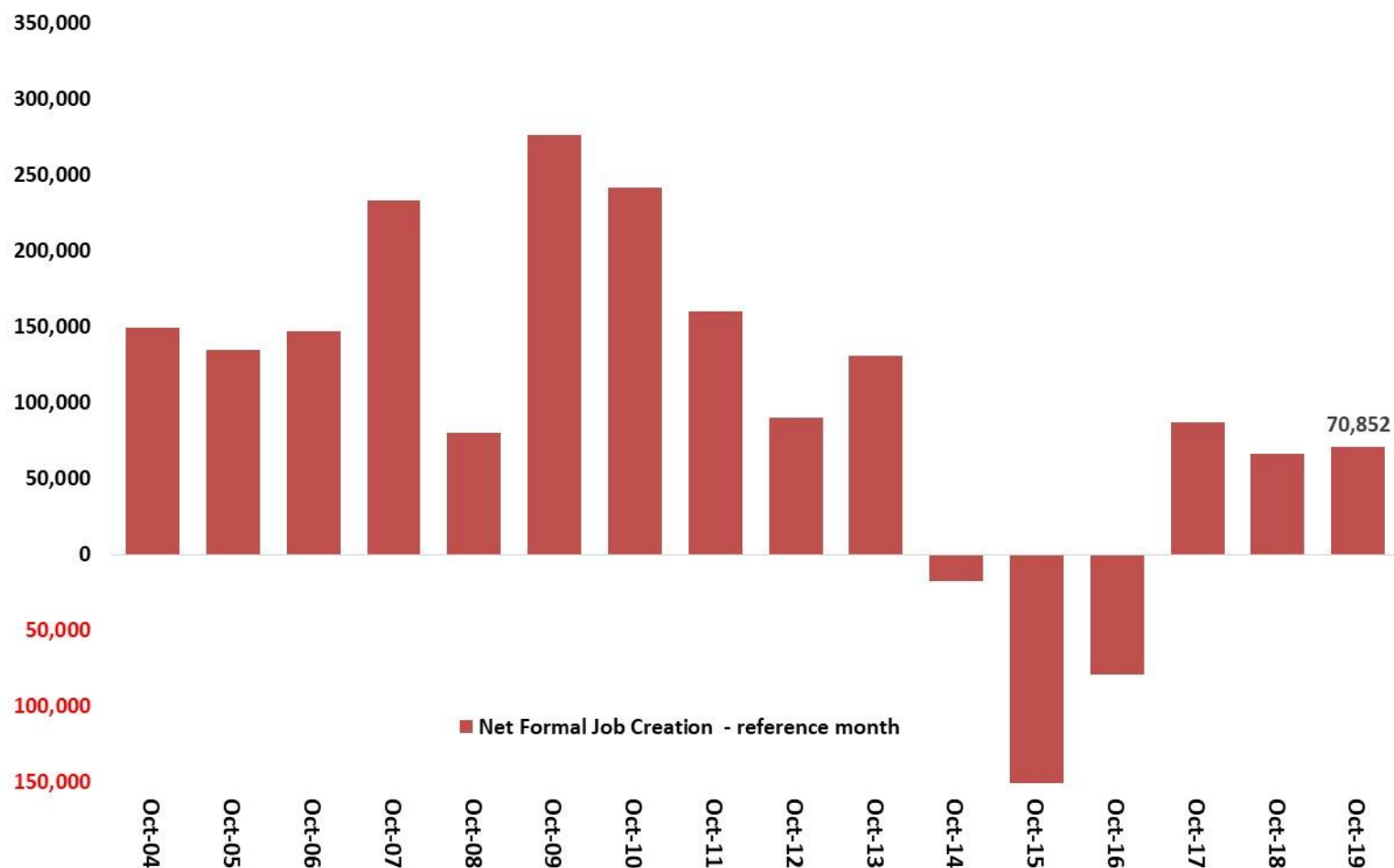
Brazil Unemployment Rate
% of Labor Force



Sources: IBGE - PNADC, SEADE-PED and ME-CAGED (adjusted data).

Net Formal Job Creation on Month

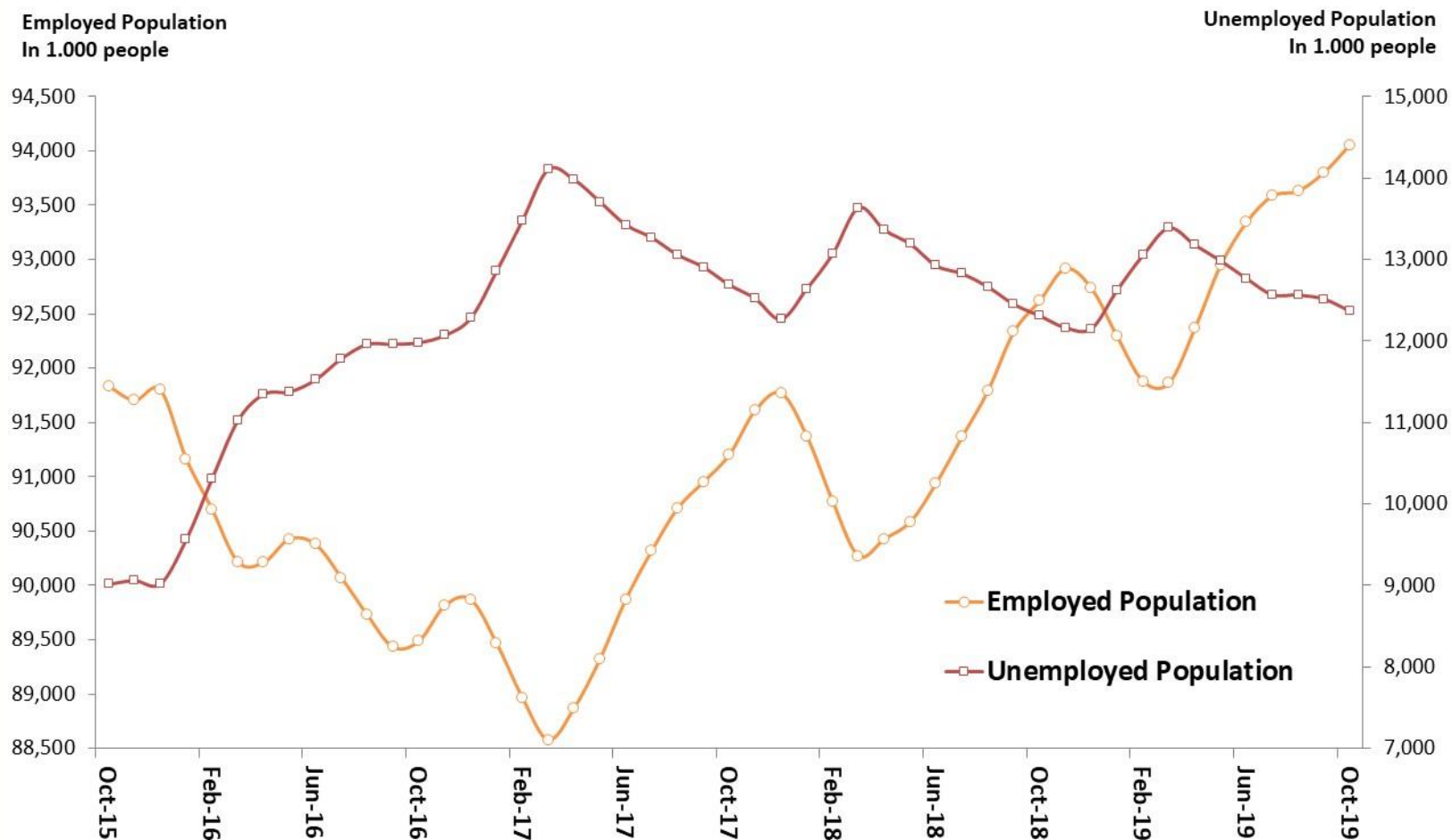
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Source: ME-CAGED (adjusted data).

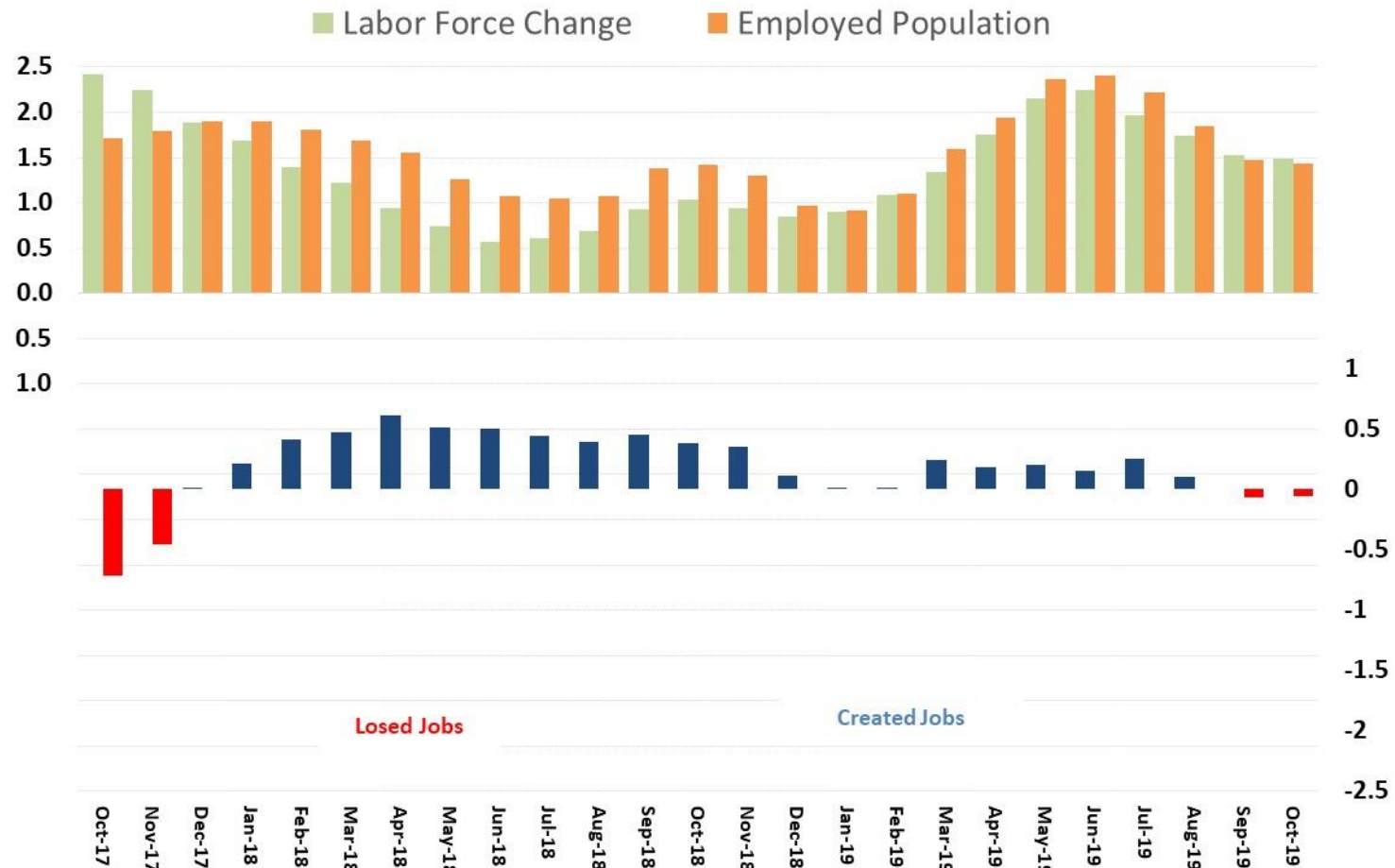
Employed Population and Labor Force Evolution

LABOR MARKET



Source: IBGE - PNADC.

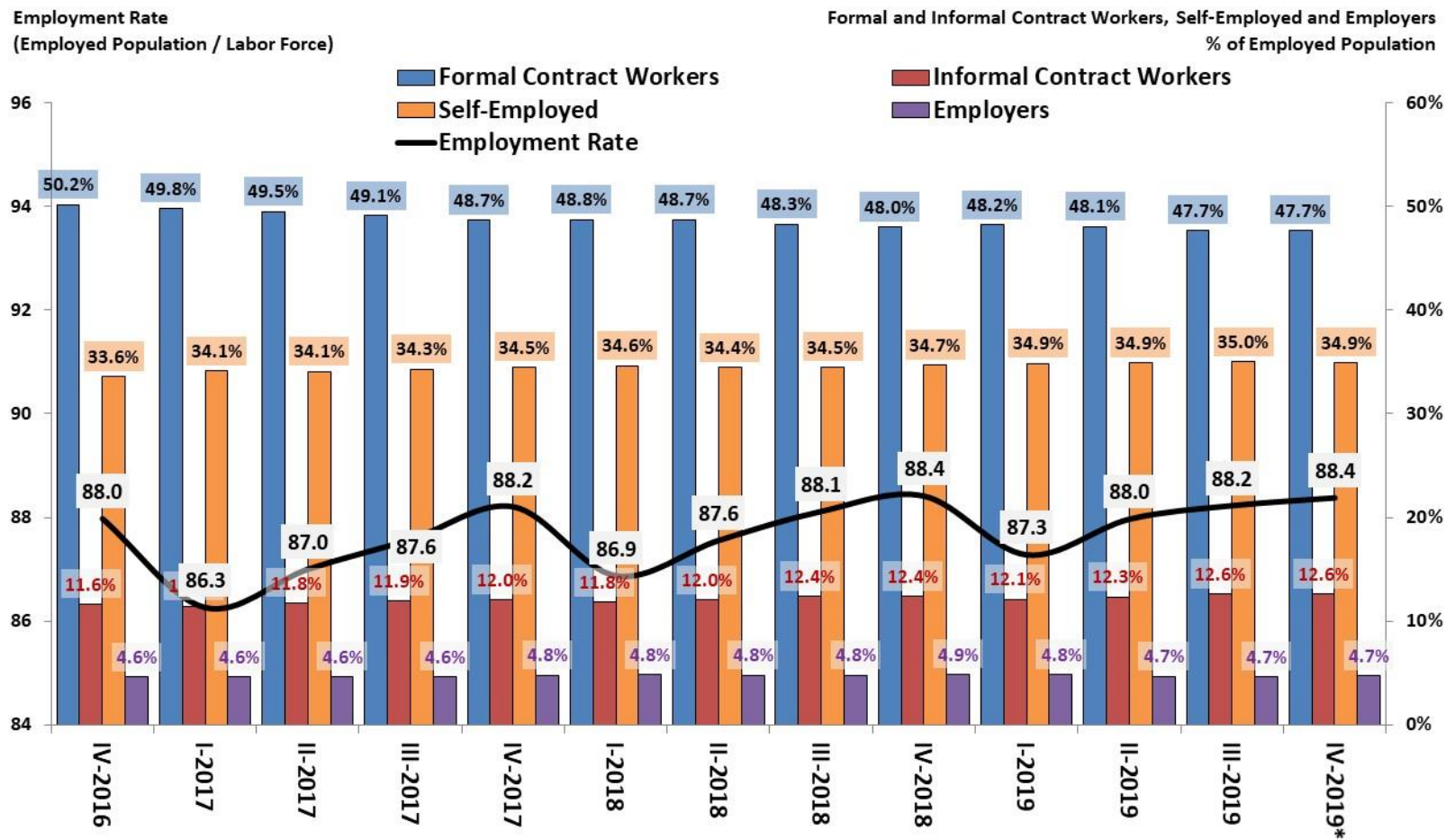
12-Month Total Unemployment Increase Decomposition



Source: IBGE - PNADC.

Labor Market Evolution by Employment Type

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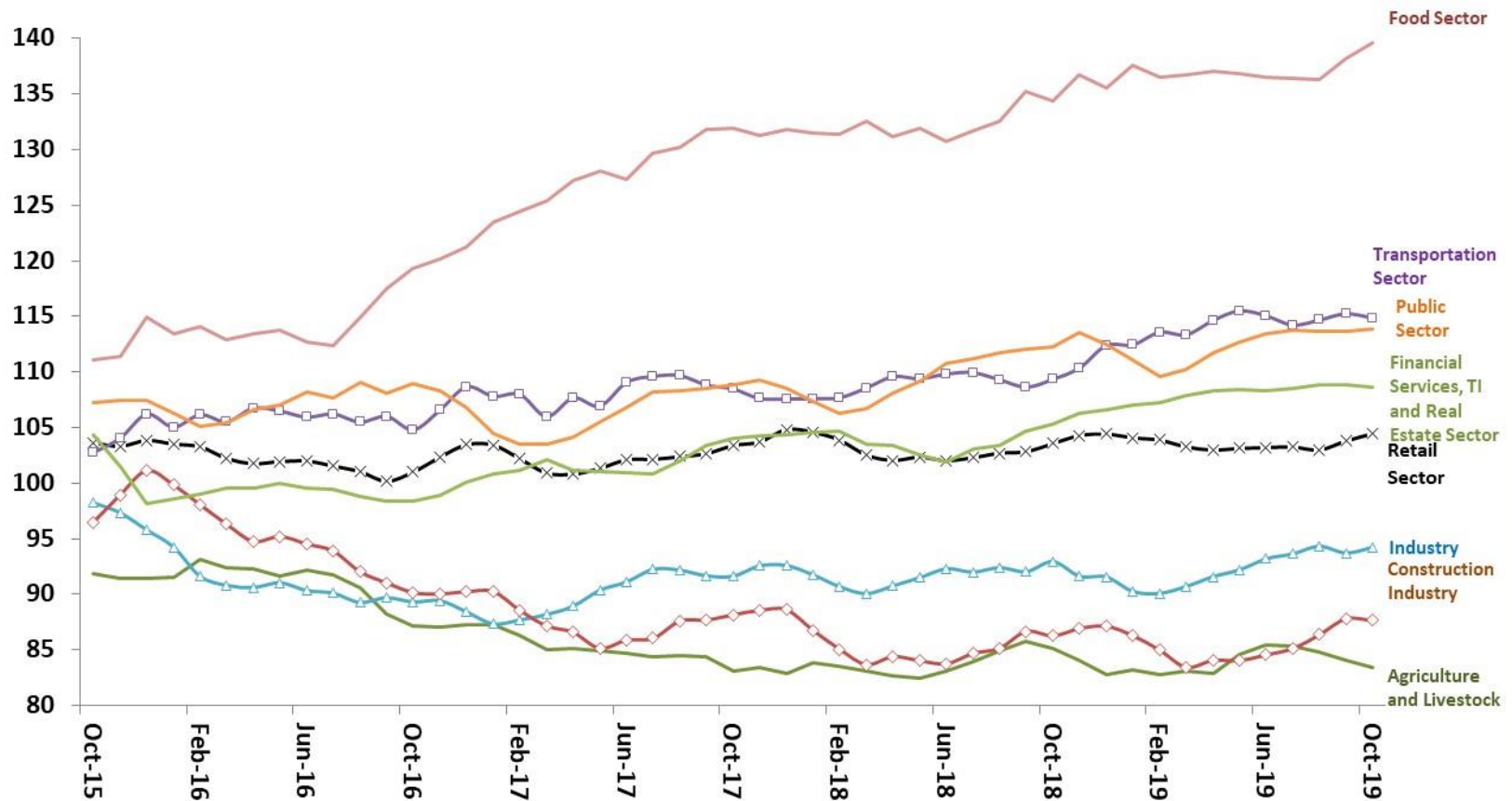


Source: IBGE - PNADC. Note: Formal contract includes both private and public sectors and Self-Employed includes home-workers and family-workers. **Oct/2019.

Employment by Sector of Activity

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Employed Population by Sectors of Activity
Index: 2013 = 100



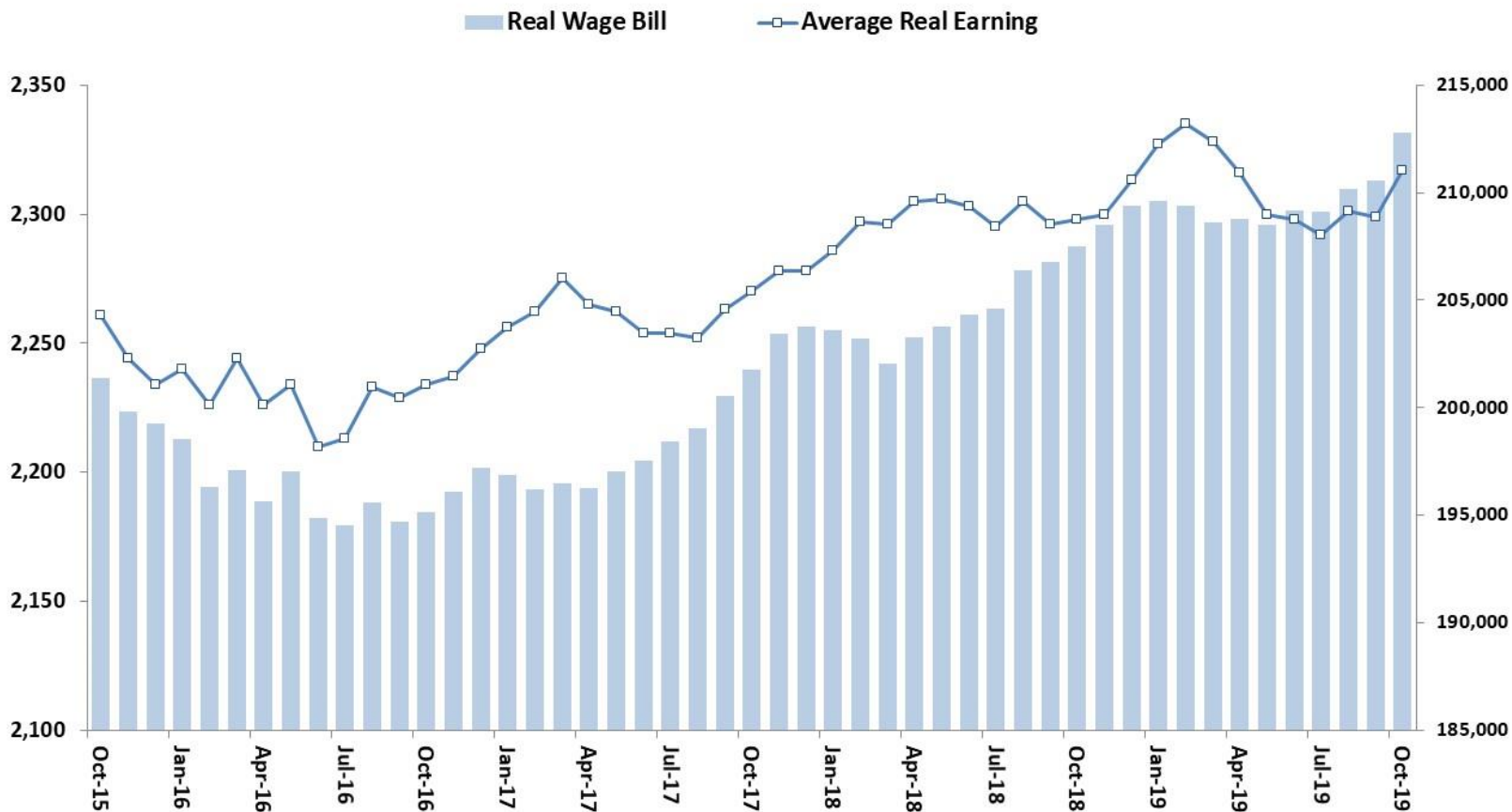
Source: IBGE - PNADC.

Real Wage Bill and Average Real Earning

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Average Real Earning
R\$ of last month

Real Wage Bill
R\$ millions of last month



Source: IBGE - PNADC.

Inflation

Inflation – Main Indexes

INFLATION

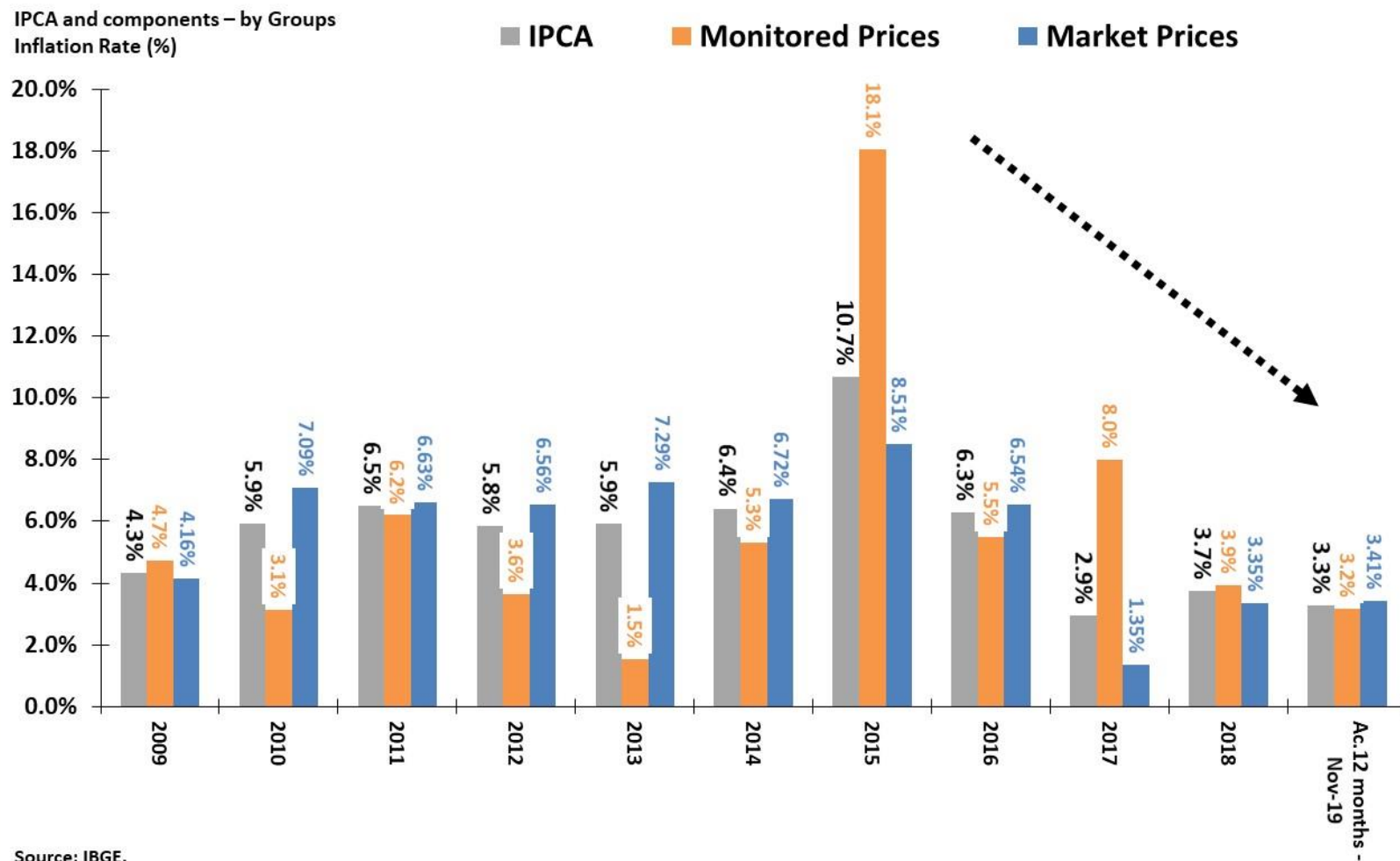
													BCB/Focus: 11/29/19		
Inflation Index	Last update (m / y)	2017	2018	Accum. In 12- months	YTD 2017	YTD 2018	(m-2/y-1)	(m-1/y-1)	(m/y-1)	(m-2/y)	(m-1/y)	(m / y)	2019	2020	2021
IPCA Inflation Target (CMN)		4.5%	4.5%	4.3%									4.25%	4.00%	3.75%
Consumer Price Index IPCA (IBGE)	Nov-19	2.95%	3.75%	3.27%	3.59%	3.12%	0.48%	0.45%	-0.21%	-0.04%	0.10%	0.51%	3.52%	3.60%	3.75%
IPCA core (By exclusion food and energy - Ex2)	Nov-19	3.8%	3.3%	2.8%	1.9%	2.2%	0.4%	0.3%	0.0%	0.1%	0.2%	0.2%			
Food and Beverages	Nov-19	-1.9%	4.0%	3.3%	3.6%	2.9%	0.1%	0.6%	0.4%	-0.4%	0.1%	0.7%			
Housing	Nov-19	6.3%	4.7%	4.6%	4.9%	4.8%	0.4%	0.1%	-0.7%	0.0%	-0.6%	0.7%			
Household Articles	Nov-19	-1.5%	3.8%	0.7%	3.2%	0.1%	0.1%	0.8%	0.5%	-0.8%	-0.1%	-0.4%			
Apparel	Nov-19	2.9%	0.6%	1.9%	-0.5%	0.7%	0.0%	0.3%	-0.4%	0.3%	0.6%	0.4%			
Transportation	Nov-19	4.1%	4.2%	1.5%	4.8%	2.0%	1.7%	0.9%	-0.7%	0.0%	0.5%	0.3%			
Health and Personal Care	Nov-19	6.5%	4.0%	5.3%	3.6%	5.0%	0.3%	0.3%	-0.7%	0.6%	0.4%	0.2%			
Personal Expenses	Nov-19	4.4%	3.0%	4.0%	2.7%	3.7%	0.4%	0.3%	0.4%	0.0%	0.2%	1.2%			
Education	Nov-19	7.1%	5.3%	4.8%	5.1%	4.5%	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%			
Communication	Nov-19	1.8%	-0.1%	0.4%	-0.1%	0.4%	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%			
Consumer Price Index INPC (IBGE)	Nov-19	2.07%	3.43%	3.37%	3.29%	3.22%	0.30%	0.40%	-0.25%	-0.05%	0.04%	0.54%	3.40%	3.77%	3.75%
Consumer Price Index IPCA - 15 (IBGE)	Nov-19	2.94%	3.86%	2.67%	4.03%	2.83%	0.09%	0.58%	0.19%	0.09%	0.09%	0.14%	3.62%	3.75%	3.68%
General Price Index IGP-10 (FGV)	Nov-19	-0.42%	7.92%	3.33%	9.25%	8.11%	1.20%	1.43%	-0.16%	-0.29%	0.77%	0.19%			
General Price Index IGP-M (FGV)	Nov-19	-0.53%	7.55%	3.99%	8.73%	7.92%	1.52%	0.89%	-0.49%	-0.01%	0.68%	0.30%	4.07%	4.00%	3.85%
General Price Index IGP-DI (FGV)	Oct-19	-0.42%	7.10%	3.28%	0.58%	0.58%	0.68%	1.79%	0.26%	-0.51%	0.50%	0.55%	5.75%	4.04%	4.00%
Consumer Price Subindex IPC/Br-DI	Oct-19	3.22%	4.34%	2.94%	0.69%	0.69%	0.07%	0.45%	0.48%	0.17%	0.00%	-0.09%			
Construction Cost Subindex INCC-DI	Oct-19	4.25%	3.83%	4.15%	0.31%	0.31%	0.15%	0.23%	0.35%	0.42%	0.46%	0.18%			
Wholesale Price Subindex IPA-DI	Oct-19	-2.52%	8.73%	3.27%	0.58%	0.58%	0.99%	2.54%	0.17%	-0.90%	0.69%	0.84%	6.69%	4.21%	3.75%
IPA-DI Industry	Oct-19	1.22%	9.16%	2.99%	0.94%	0.94%	0.69%	2.69%	0.59%	-1.49%	0.58%	0.62%			
IPA-DI Agriculture	Oct-19	-12.34%	7.52%	4.19%	-0.52%	-0.52%	1.90%	2.11%	-1.08%	0.93%	1.06%	1.53%			
São Paulo Consumer Price Index IPC RMSP (FIPE)	Nov-19	2.28%	2.99%	3.50%	2.90%	3.41%	0.39%	0.48%	0.15%	0.00%	0.16%	0.68%	3.38%	3.66%	3.75%
São Paulo Cost-of-Living Index ICV SP (DIEESE)	Oct-19	2.44%	3.87%	1.84%	3.76%	1.73%	-0.09%	0.55%	0.58%	0.07%	-0.11%	-0.04%			

Macroeconomic Parameters						
Year	Inflation					
	IPCA		INPC		IGP-DI	
	Annual Average	Annual Accum.	Annual Average	Annual Accum.	Annual Average	Annual Accum.
	Chg. %					
2013	6.20	5.91	6.37	5.56	6.08	5.52
2014	6.33	6.41	6.04	6.23	5.36	3.78
2015	9.03	10.67	9.34	11.28	6.90	10.70
2016	8.74	6.29	9.32	6.58	10.19	7.18
2017	3.45	2.95	2.97	2.07	0.96	-0.42
2018	3.66	3.75	2.87	3.43	5.81	7.10
2019	3.62	3.26	3.62	3.26	5.83	5.75
2020	3.34	3.53	3.26	3.54	4.26	4.20
2021	3.67	3.75	3.80	3.75	4.24	4.00
2022	3.61	3.50	3.75	3.75	3.89	3.80
2023	3.50	3.50	3.75	3.75	3.79	3.78

Source: SPE/ME. Macroeconomic Parameters, October-2019.

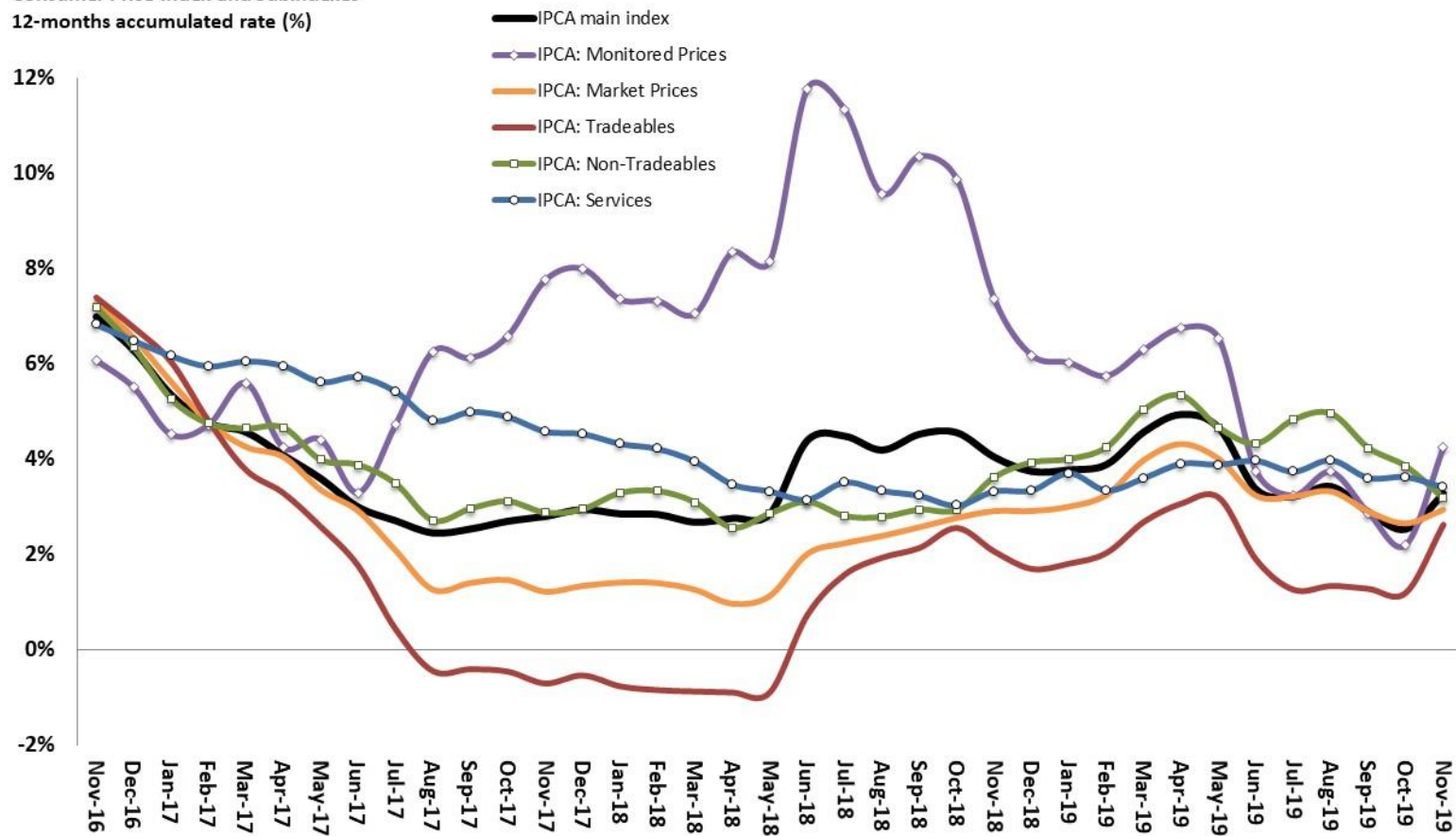
Relative Prices Convergence in the Consumer Price Index

INFLATION



Source: IBGE.

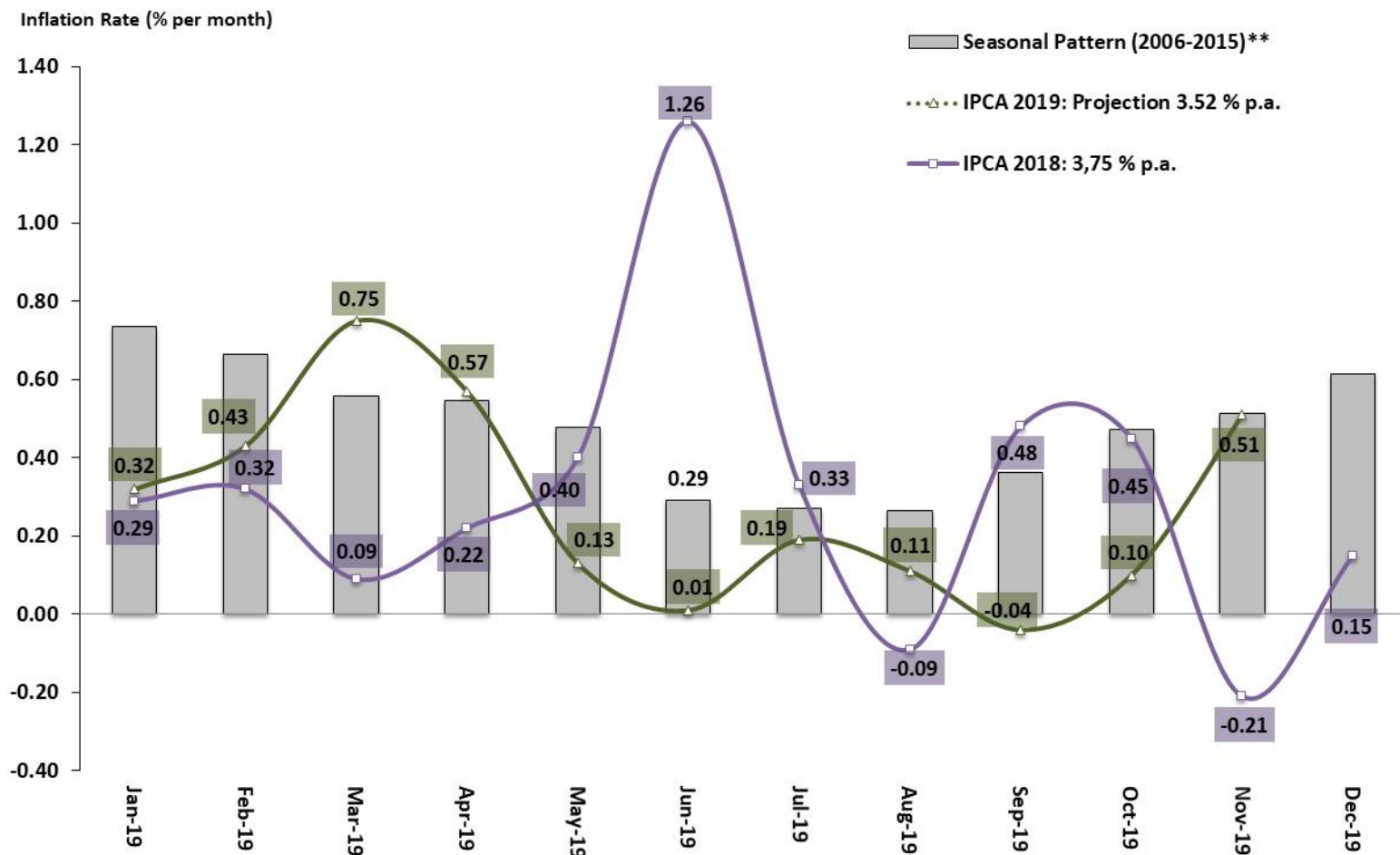
Consumer Price Index and Subindexes
12-months accumulated rate (%)



Source: IBGE

Consumer Price Index (IPCA) and Seasonal Pattern

INFLATION

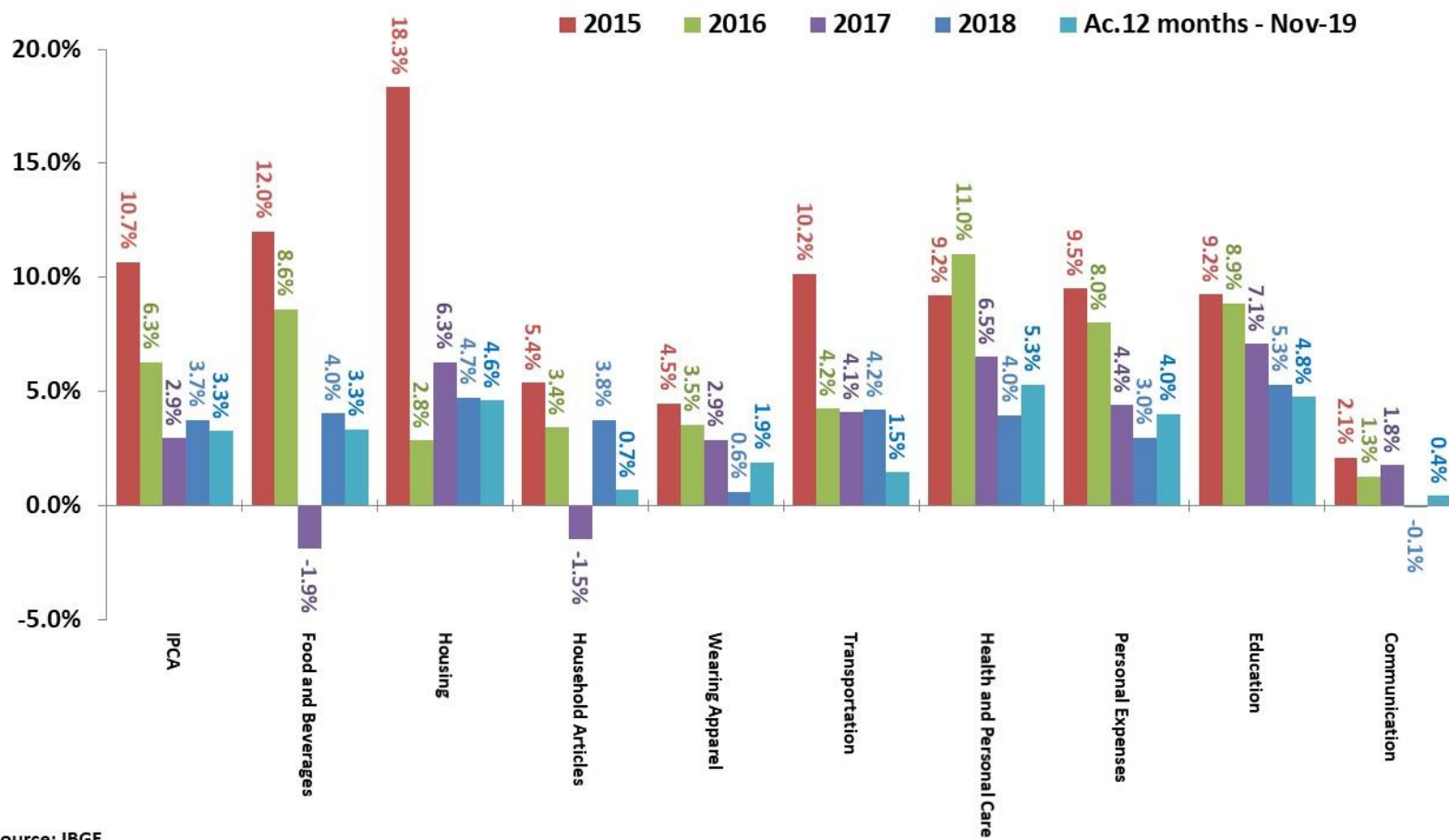


Sources: IBGE and Central Bank of Brazil. * Annual Forecast: Central Bank of Brazil, Focus Survey, 11/29/2019 *Seasonal pattern estimated by SPE.

Consumer Price Index (IPCA) by Groups

INFLATION

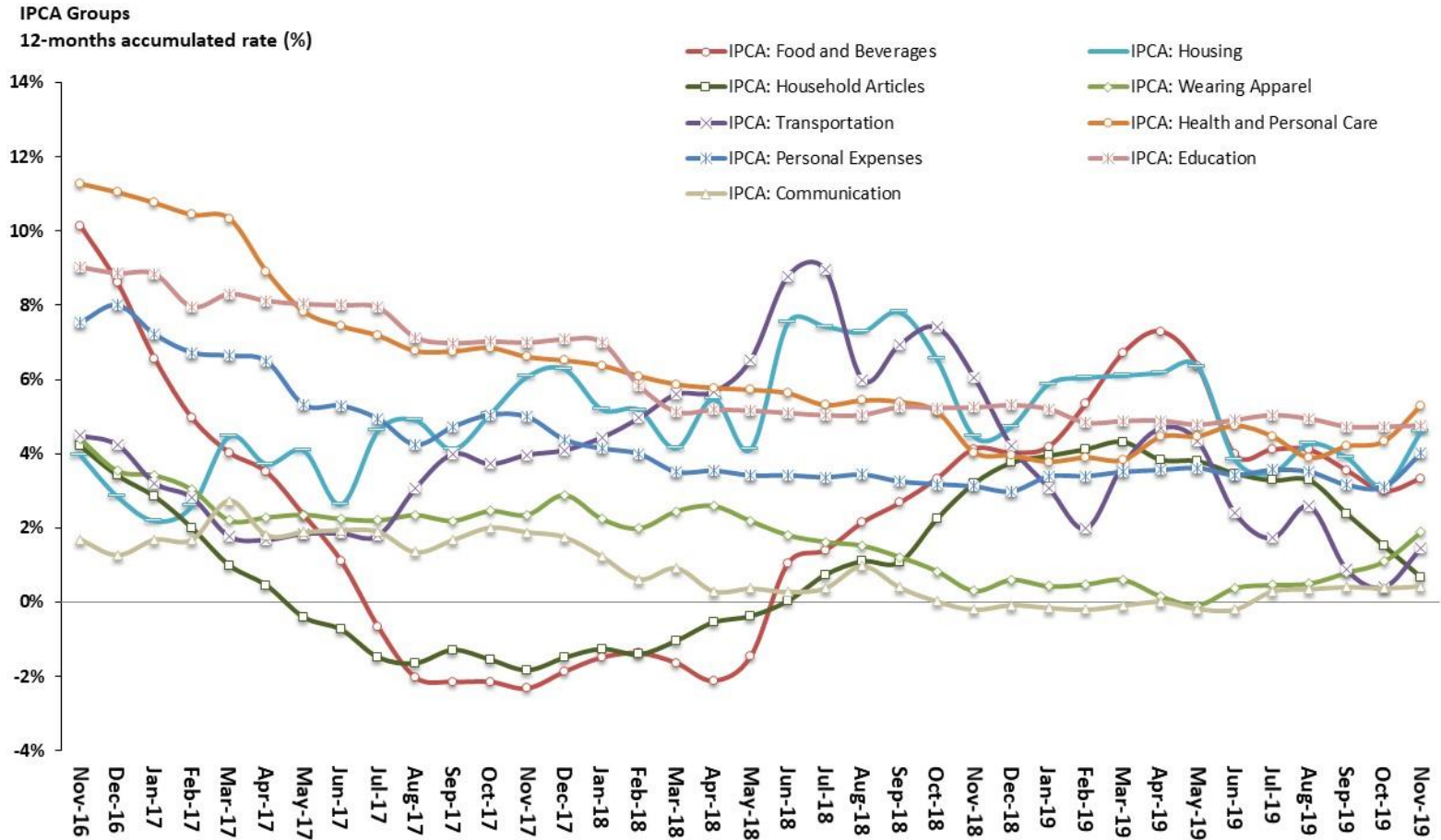
IPCA and components – by Groups
Inflation Rate (%)



Source: IBGE.

Consumer Price Index (IPCA) by Groups

INFLATION

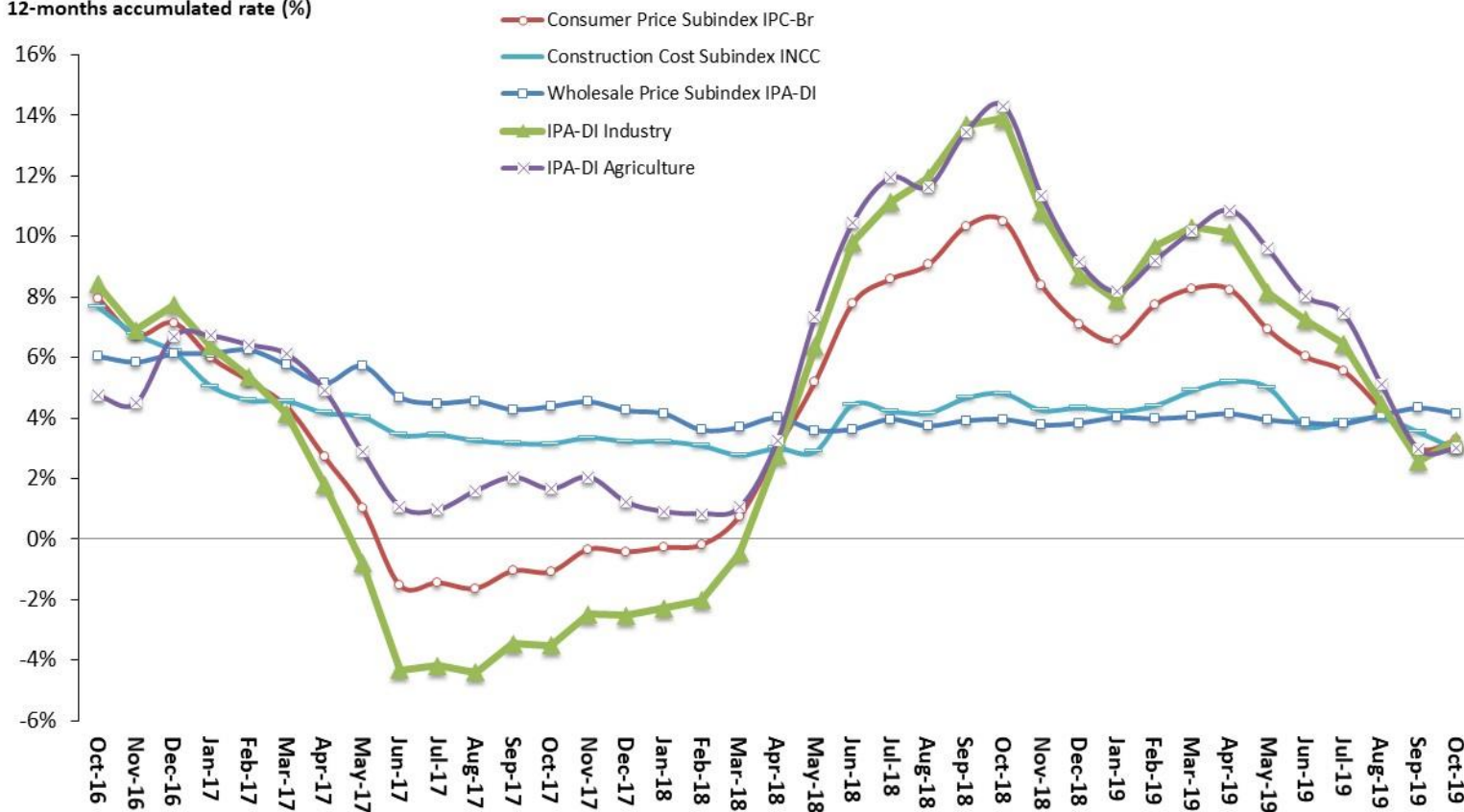


Source: IBGE.

General Price Index (IGP-DI) by Subindexes

INFLATION

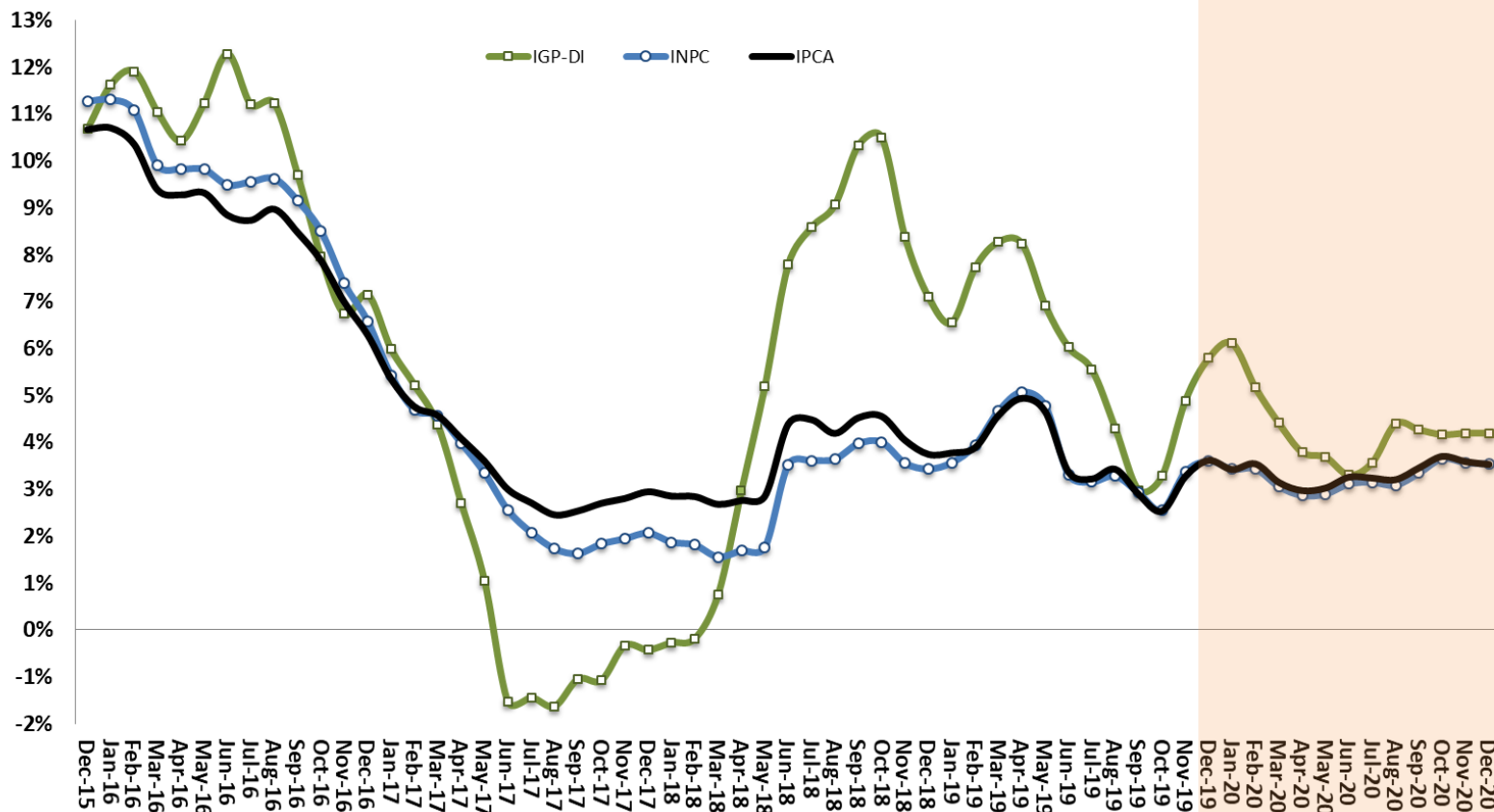
General Prices Subindexes
12-months accumulated rate (%)



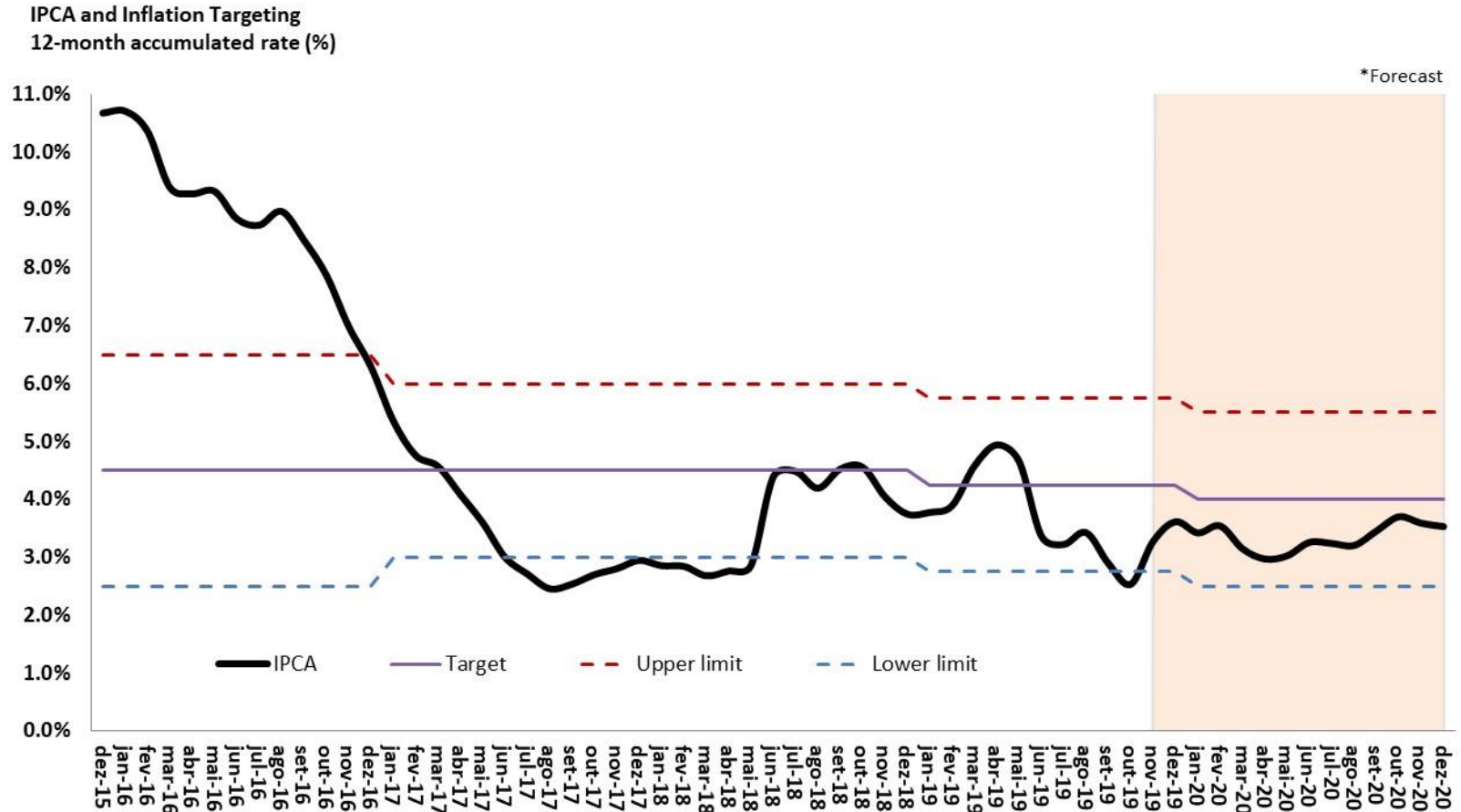
Source: IBGE.

Major Inflation Indexes
12-month accumulated rate (%)

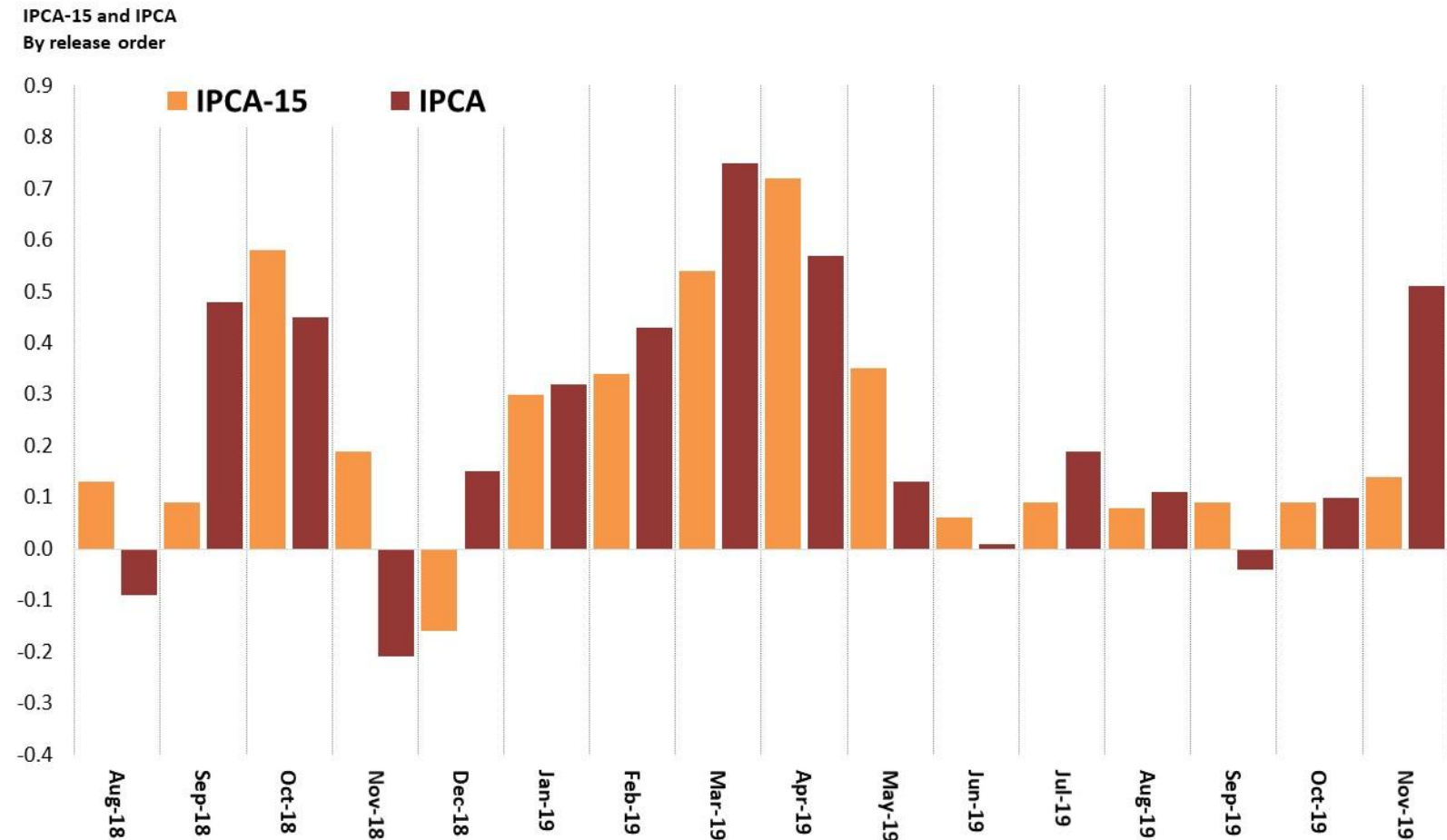
*Forecast



Source: IBGE and FGV. *Forecast: Macroeconomic Parameters, October-2019.

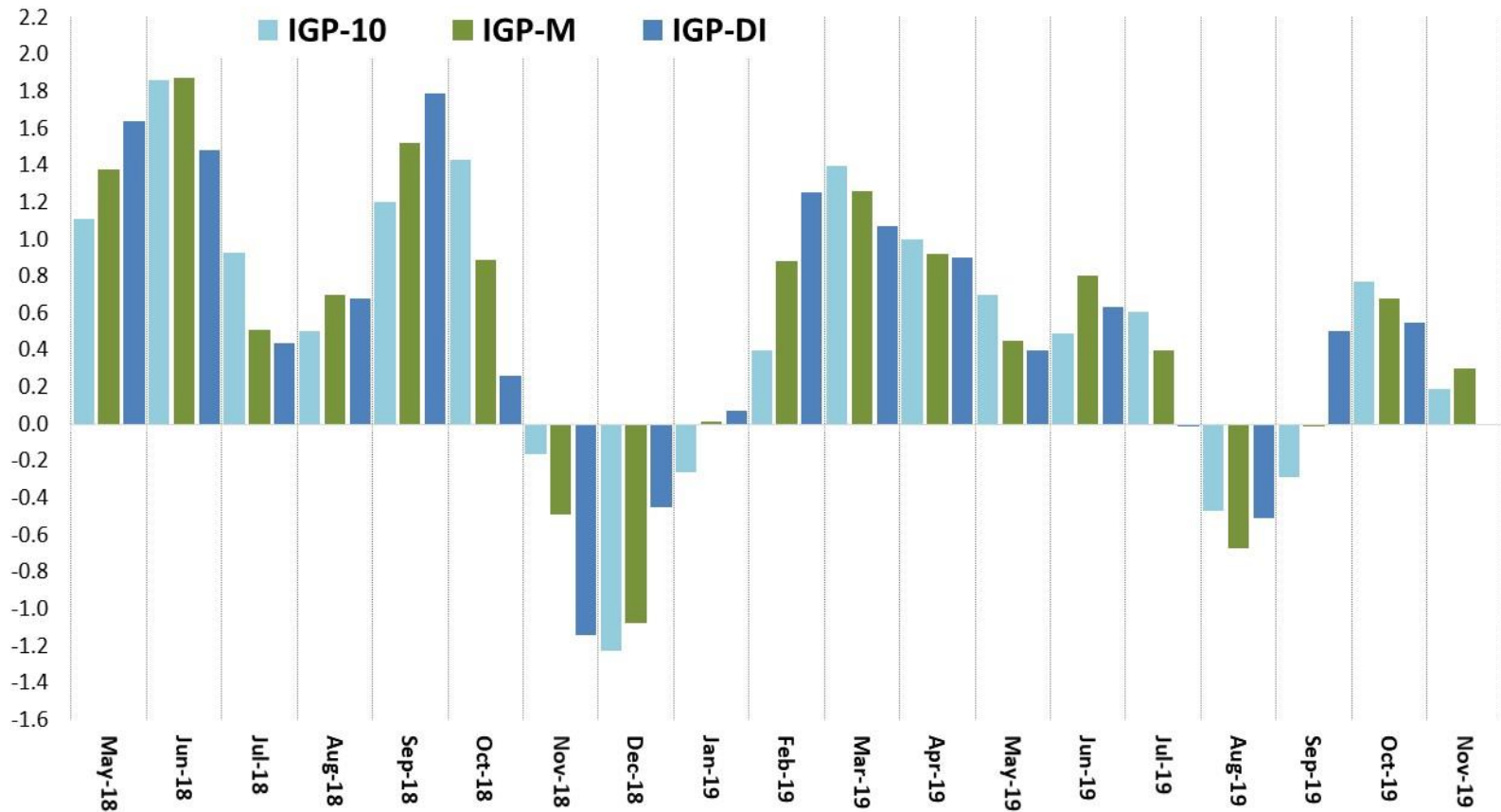


Source: IBGE and Central Bank of Brazil. *Forecast: Macroeconomic Parameters, October-2019.



Source: IBGE.

IGP-10, IGP-M and IGP-DI
By release order



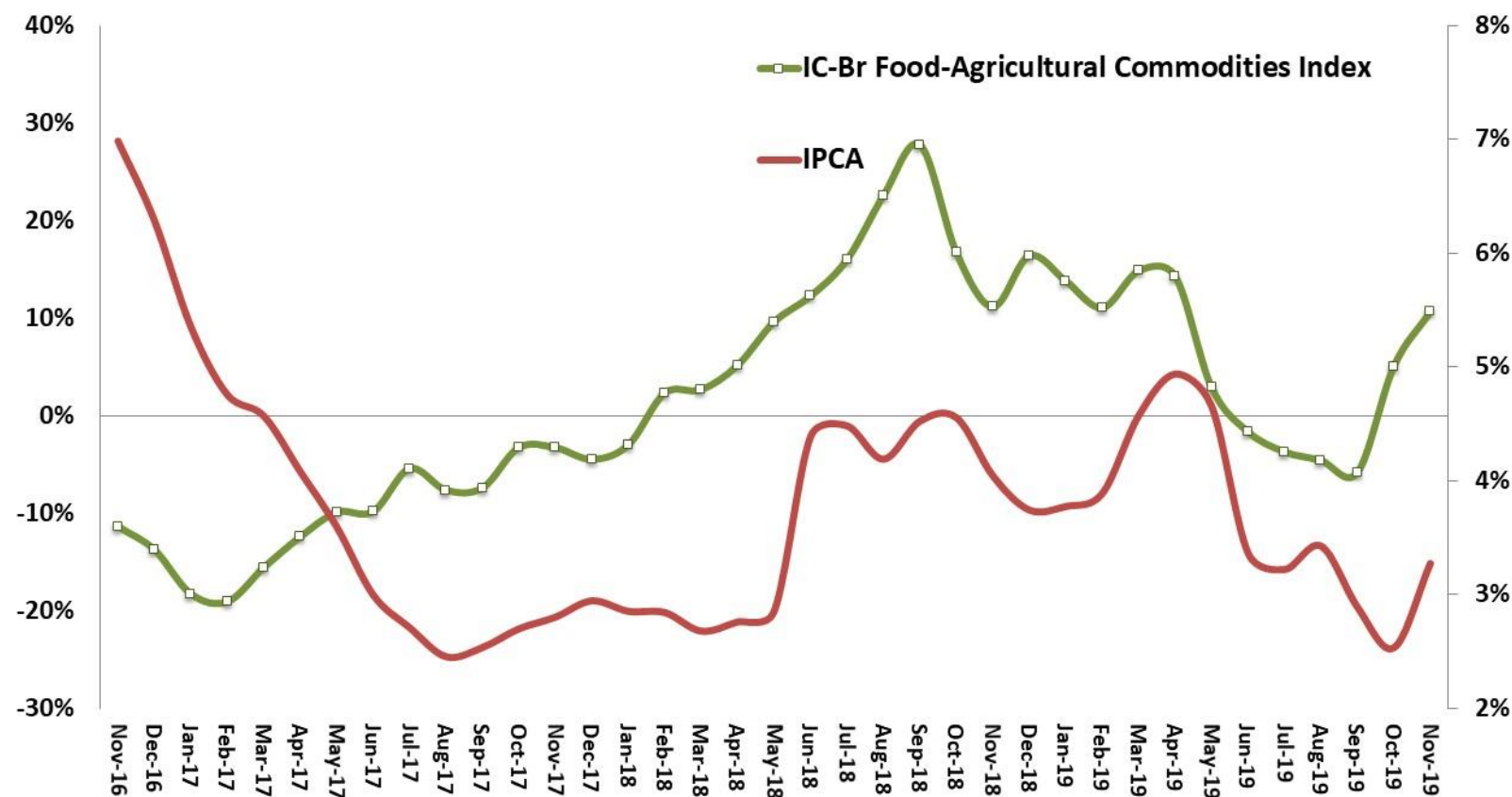
Source: FGV.

Consumer Price Index and Commodity Index (Brazil Agriculture)

INFLATION

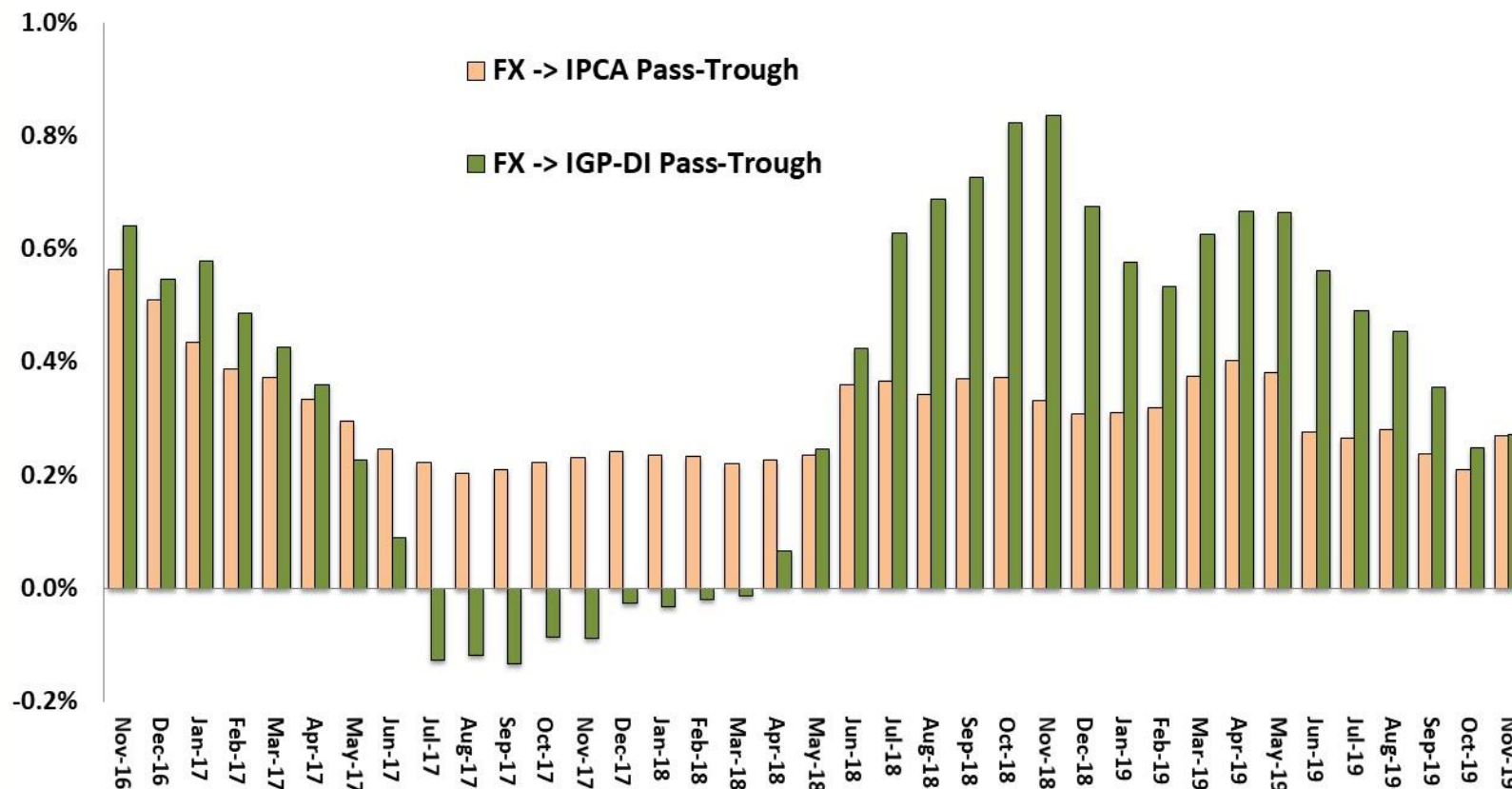
Commodity Index – Brazil Agriculture (IC-Br Ag)
12-month accumulated change rate (%)

Consumer Inflation - IPCA
12-month accumulated rate (%)



Sources: IBGE and Central Bank of Brazil.

Exchange Rate-Inflation Pass-Trough = impact of 1% change of exchange rate in 12-months inflation

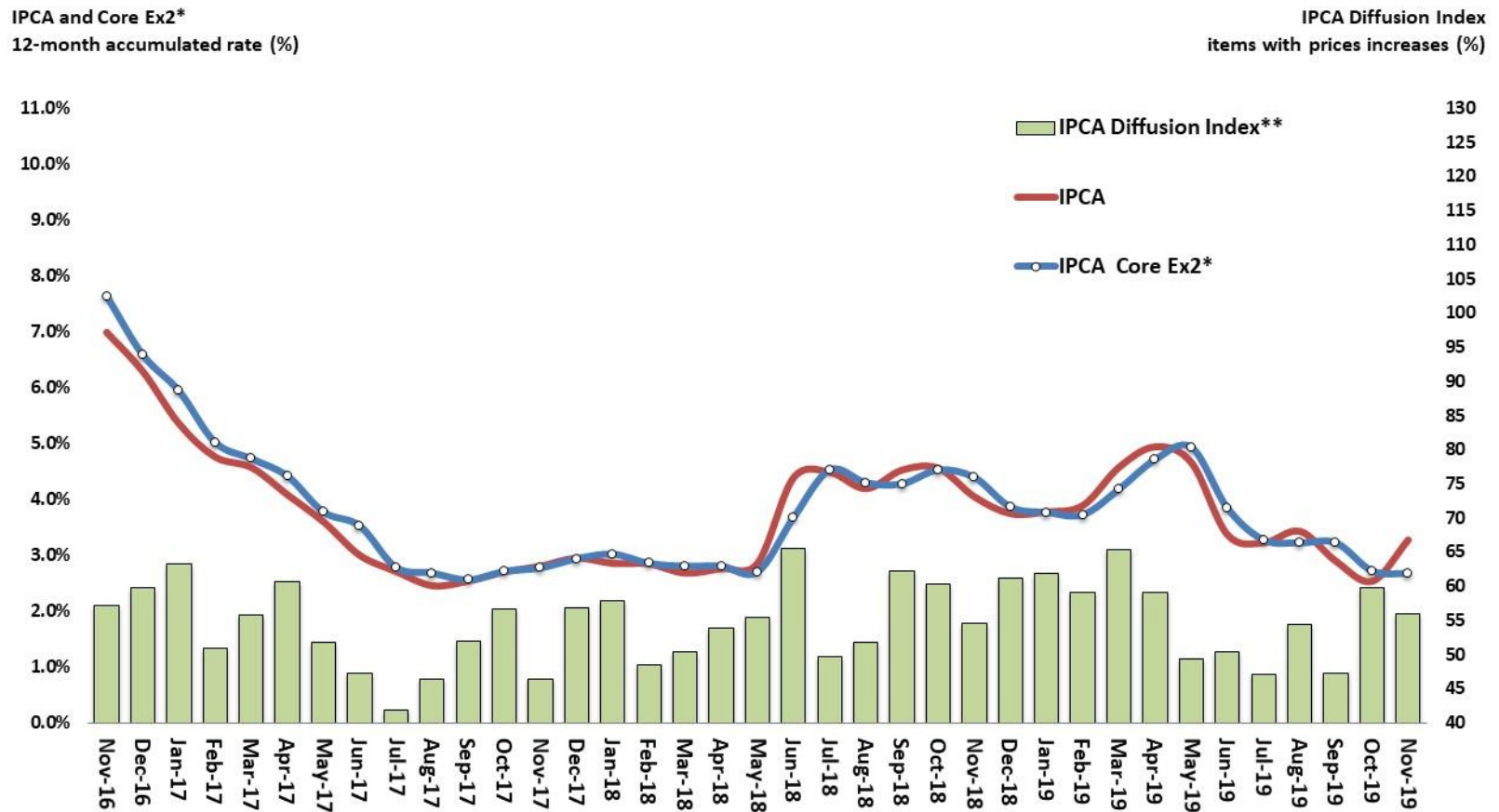


Source: IBGE and Central Bank Of Brazil

* Ex2 = Exclusion from the main index of 12 items, 10 from residence dining and 2 from monitored prices. The excluded items represent, on average, 16% of IPCA main index.

IPCA, Core Inflation (IPCA Ex2) and Diffusion Index

INFLATION



Sources: IBGE and Central Bank of Brazil.

* Ex2 = Exclusion from the main index of 12 items, 10 from residence dining and 2 from monitored prices. The excluded items represent, on average, 16% of IPCA main index.

** Diffusion Index = % of items from IPCA with price increase.

Credit Market

Credit Market (BCB)	October-19											
End-of-Period Outstanding Credit (in R\$ billions)	Dec-17	Dec-18	Oct-19	% of Total Credit Dec/17	% of Total Credit Dec/18	% of Total Credit Oct/19	chg.% Oct/18-Dec/17	chg.% Oct/19-Dec/18	% of GDP Dec/17	% of GDP Dec/18	% of GDP Oct/19	
Total Credit to the National Financial System (NFS)	3,102.1	3,257.7	3,372.5	100.0%	100.0%	100.0%	5.0%	3.5%	47.3%	47.7%	47.6%	
by type of borrower												
Public Sector (incl. State-Owned Enterprises)	221.8	216.5	193.4	7.2%	6.6%	5.7%	-2.4%	-10.7%	3.4%	3.2%	2.7%	
Private Sector	2,880.3	3,041.2	3,179.1	92.8%	93.4%	94.3%	5.6%	4.5%	43.9%	44.5%	44.8%	
Non-Financial Corporations	1,445.8	1,465.0	1,419.9	46.6%	45.0%	42.1%	1.3%	-3.1%	22.1%	21.5%	20.0%	
Households	1,656.3	1,792.7	1,952.6	53.4%	55.0%	57.9%	8.2%	8.9%	25.3%	26.3%	27.5%	
by type of lender												
Public Financial Institutions	1,682.8	1,670.8	1,627.5	54.2%	51.3%	48.3%	-0.7%	-2.6%	25.7%	24.5%	23.0%	
National Private Financial Institutions	994.8	1,102.1	1,225.6	32.1%	33.8%	36.3%	10.8%	11.2%	15.2%	16.1%	17.3%	
Foreign Private Financial Institutions	424.5	484.7	519.4	13.7%	14.9%	15.4%	14.2%	7.1%	6.5%	7.1%	7.3%	
by type of credit												
Earmarked Resources	1,513.7	1,499.9	1,465.2	48.8%	46.0%	43.4%	-0.9%	-2.3%	23.1%	22.0%	20.7%	
Housing	245.9	260.7	255.2	7.9%	8.0%	7.6%	6.0%	-2.1%	3.8%	3.8%	3.6%	
Rural	631.7	645.4	666.2	20.4%	19.8%	19.8%	2.2%	3.2%	9.6%	9.5%	9.4%	
BNDES Development Bank	538.6	497.4	449.4	17.4%	15.3%	13.3%	-7.7%	-9.7%	8.2%	7.3%	6.3%	
Others	97.5	96.4	94.5	3.1%	3.0%	2.8%	-1.1%	-2.0%	1.5%	1.4%	1.3%	
Non-Financial Corporations	708.8	651.3	578.3	22.9%	20.0%	17.1%	-8.1%	-11.2%	10.8%	9.5%	8.2%	
Households	804.9	848.6	886.9	25.9%	26.0%	26.3%	5.4%	4.5%	12.3%	12.4%	12.5%	
Non-earmarked Resources	1,588.4	1,757.8	1,907.3	51.2%	54.0%	56.6%	10.7%	8.5%	24.2%	25.7%	26.9%	
Non-Financial Corporations	736.9	813.7	841.6	23.8%	25.0%	25.0%	10.4%	3.4%	11.2%	11.9%	11.9%	
Households	851.5	944.1	1,065.7	27.4%	29.0%	31.6%	10.9%	12.9%	13.0%	13.8%	15.0%	
Non-earmarked Resources (BCB)	October-19											
	Dec-17	Dec-18	Oct-19	% of Total Credit Dec/17	% of Total Credit Dec/18	% of Total Credit Oct/19	chg.% Dec/18-Dec/17	chg.% Oct/19-Dec/18	% of GDP Dec/17	% of GDP Dec/18	% of GDP Oct/19	
New Loans, Spread and Delinquency Rates												
New Loans (12-months accum. in R\$ billions)	3,004.3	3,379.4	3,760.3	100.0%	100.0%	100.0%	12.5%	11.3%	45.8%	49.5%	53.0%	
Non-Financial Corporations	1,307.1	1,499.7	1,646.7	43.5%	44.4%	43.8%	14.7%	9.8%	19.9%	22.0%	23.2%	
Households	1,697.3	1,879.7	2,113.5	56.5%	55.6%	56.2%	10.7%	12.4%	25.9%	27.5%	29.8%	
Spread (in pp per year)	31.7	27.8	30.4				-4.0 pp	2.6 pp				
Non-Financial Corporations	13.7	11.6	12.3				-2.1 pp	0.7 pp				
Households	46.0	40.7	43.9				-5.4 pp	3.3 pp				
Delinquency (% non-performing loans by 90 days or more)	4.9	3.9	3.9				-1.1 pp	0.0 pp				
Non-Financial Corporations	4.5	2.7	2.5				-1.8 pp	-0.2 pp				
Households	5.3	4.8	5.0				-0.4 pp	0.2 pp				

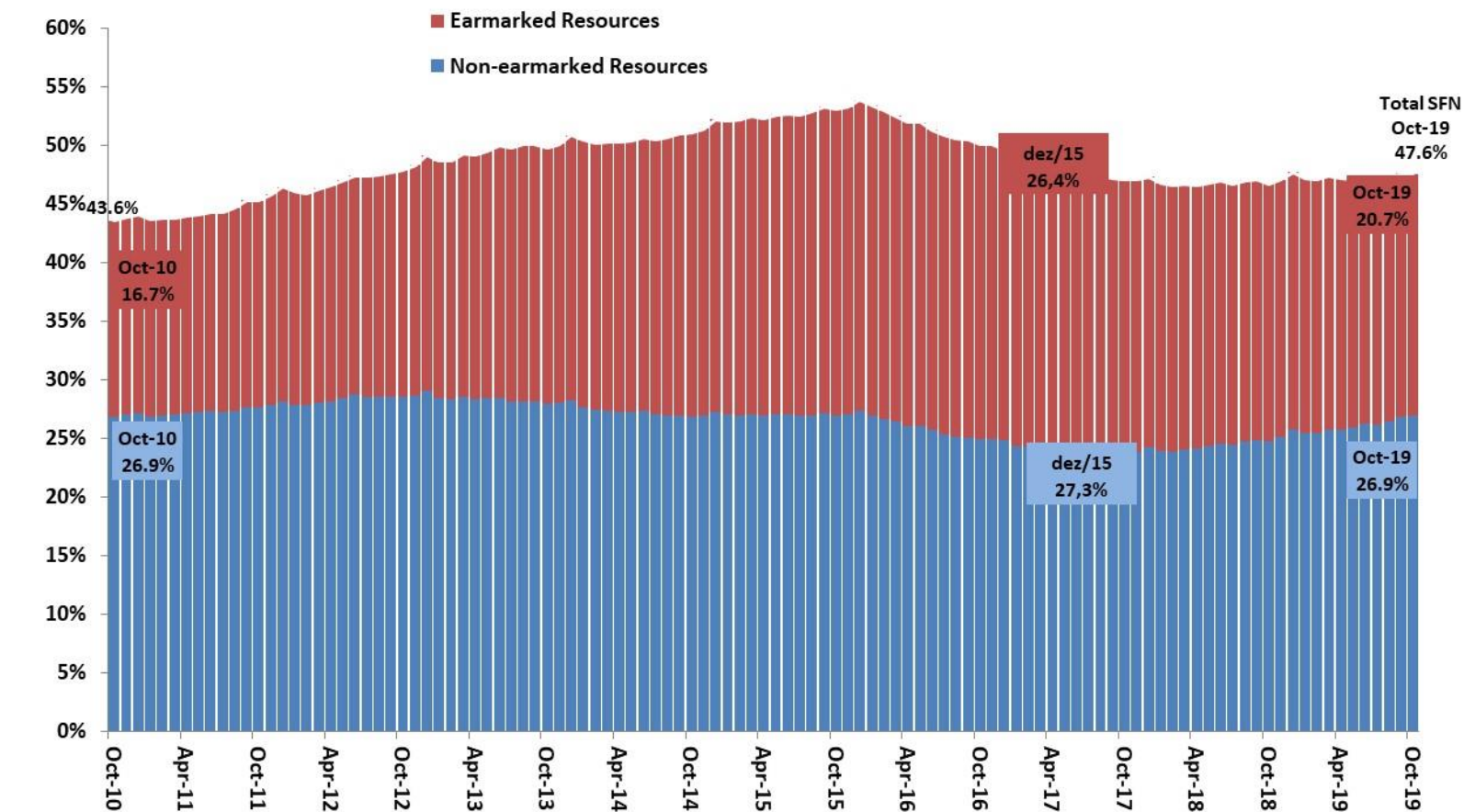
Macroeconomic Parameters		
Year	Credit Market	
	Total Credit	
	Annual Average	
	BRL million	Annual chg. %
2013	2,527,291	15.80
2014	2,838,649	12.32
2015	3,118,056	9.84
2016	3,143,382	0.81
2017	3,077,508	-2.10
2018	3,141,849	2.09
2019	3,314,556	5.50
2020	3,538,185	6.75
2021	3,822,990	8.05
2022	4,127,146	7.96
2023	4,454,740	7.94

Source: SPE/ME. Macroeconomic Parameters, October-2019.

Total Credit: Earmarked and Non-earmarked Resources

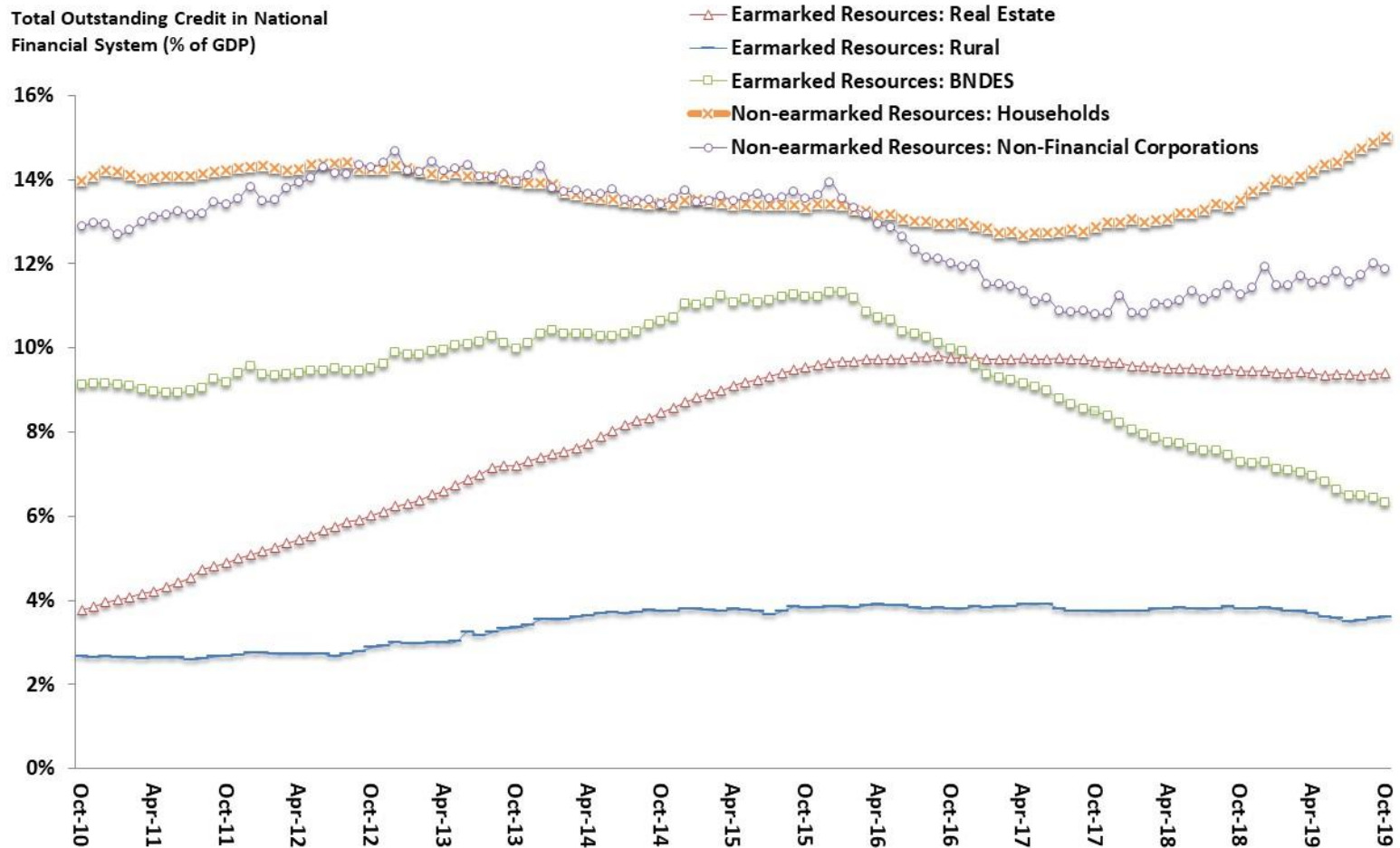
CREDIT MARKET

Total Outstanding Credit in National Financial System (SFN)
% of GDP



Source: Central Bank of Brazil.

Total Credit Evolution by Major Segments

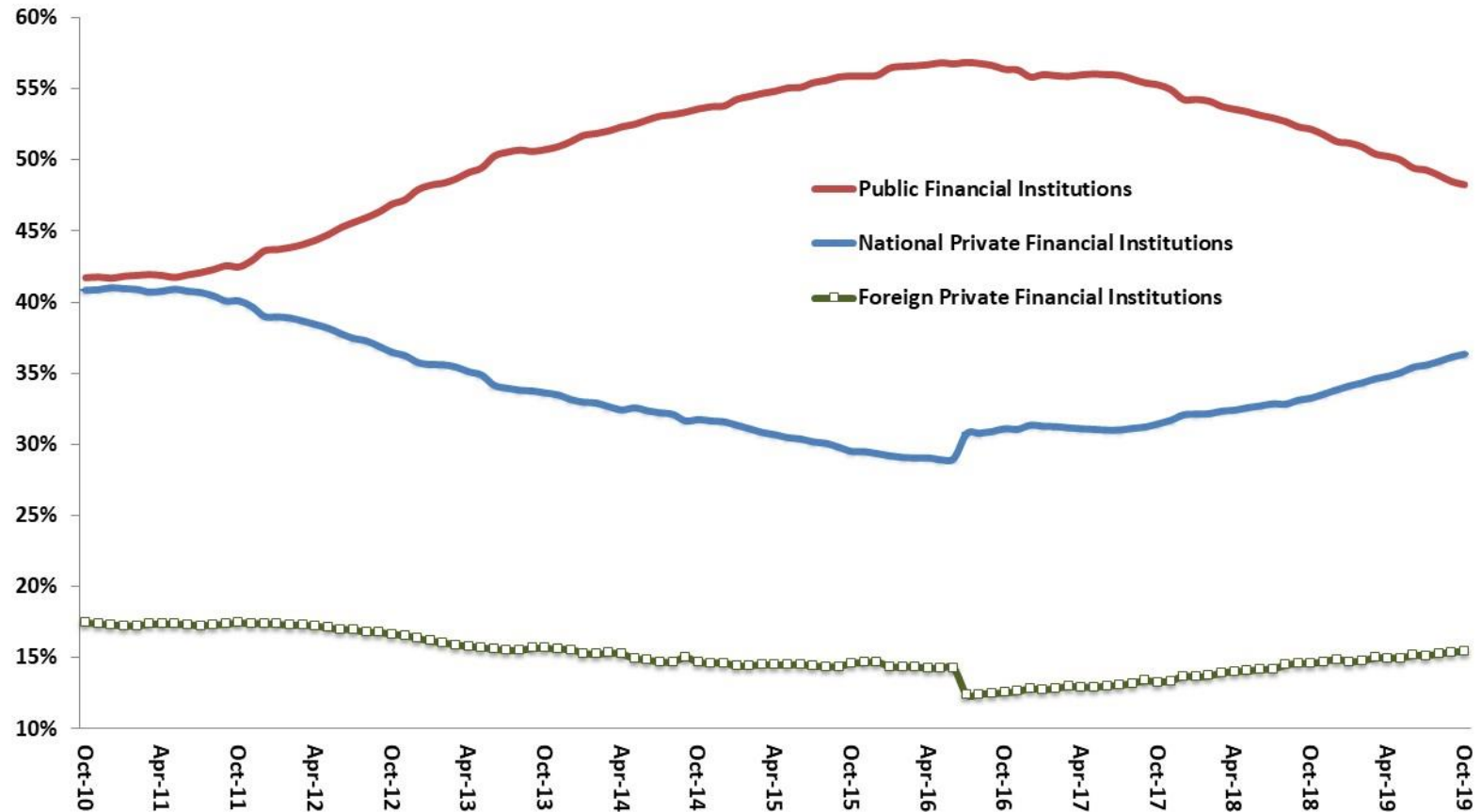


Source: Central Bank of Brazil.

Total Credit by Types of Financial Institutions

CREDIT MARKET

% of Total Outstanding Credit
to the National Financial System



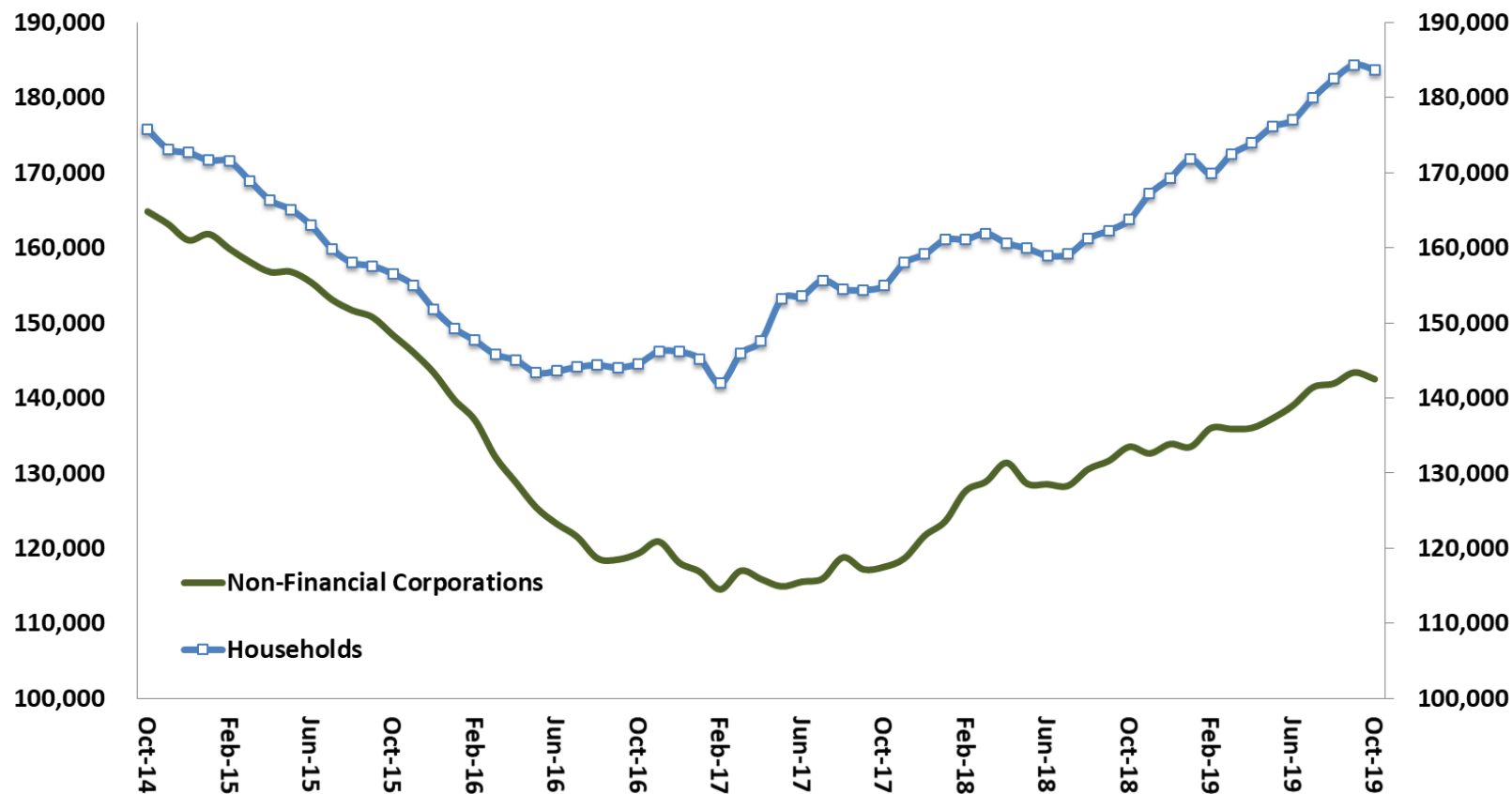
Source: Central Bank of Brazil.

New Loans to Households and Non-Financial Corporations

CREDIT MARKET

New Loans to Non-Financial Corporations
R\$ millions of the last month
3-Month Moving Average - Seasonally Adjusted*

New Loans to Households
R\$ millions of the last month
3-Month Moving Average - Seasonally Adjusted*

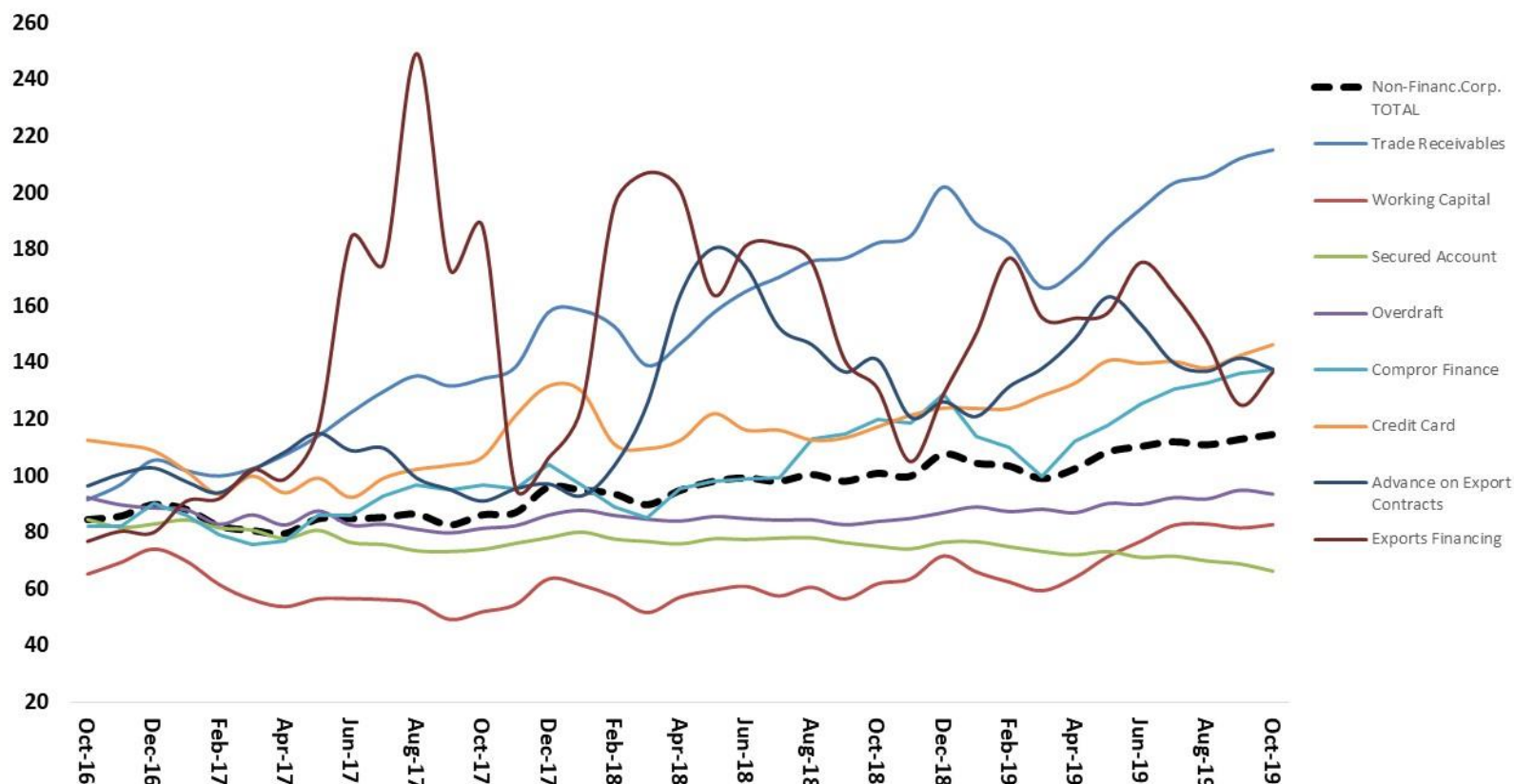


Source: Central Bank of Brazil. * Seasonally adjusted by SPE.

New Loans to Non-Financial Corp. by Type of Credit Lines

CREDIT MARKET

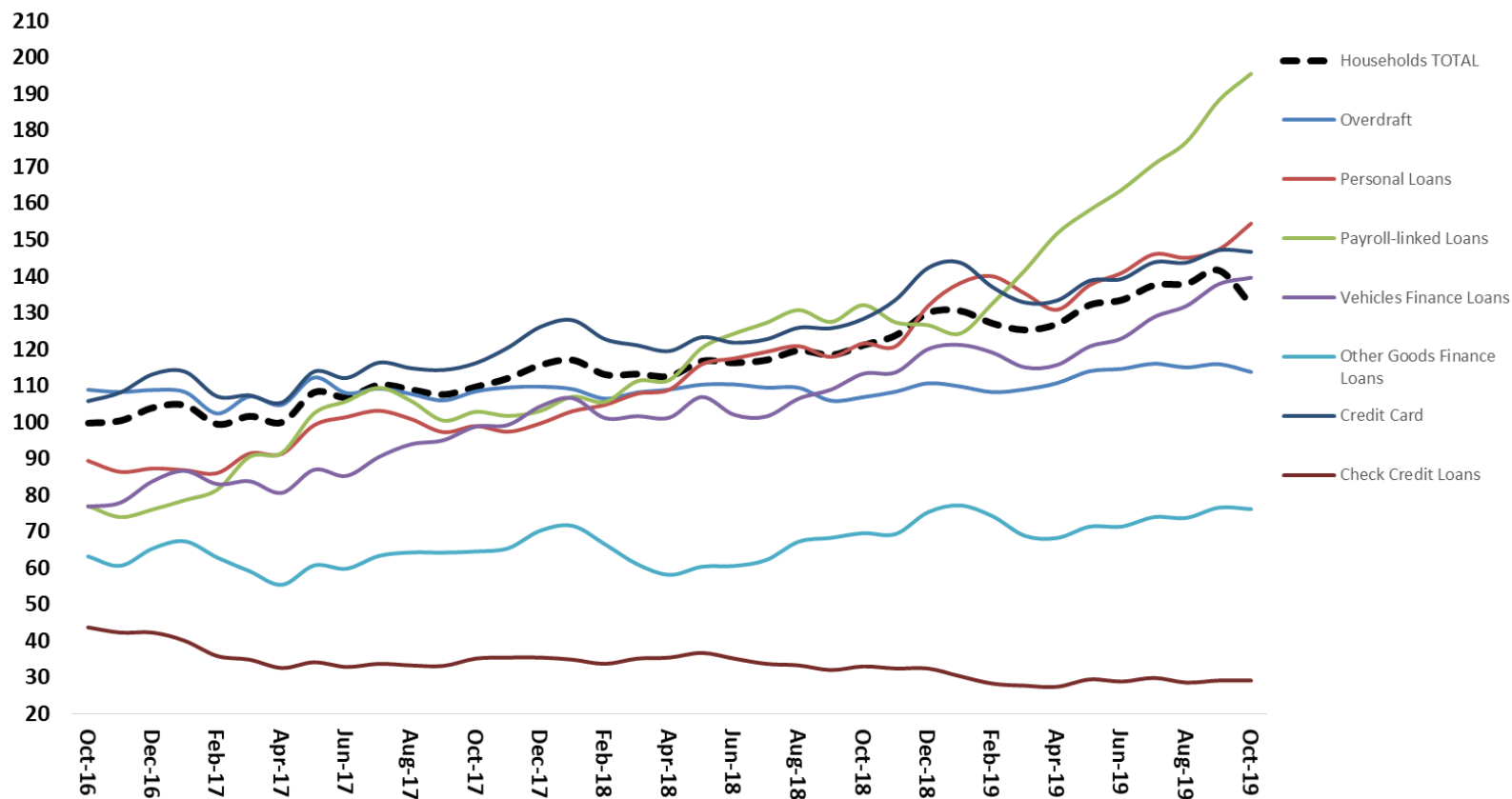
New Loans to Non-Financial Corporations – Last Month Real Values (IPCA)
3-Month Moving Average - Seasonally Adjusted* - Index: 2013=100



Source: Central Bank of Brazil. * Seasonally adjusted by SPE.

New Loans to Households by Type of Credit Lines

New Loans to Households – Real Last Month Values (IPCA)
3-Months Moving Average - Seasonally Adjusted* - Index: 2013=100



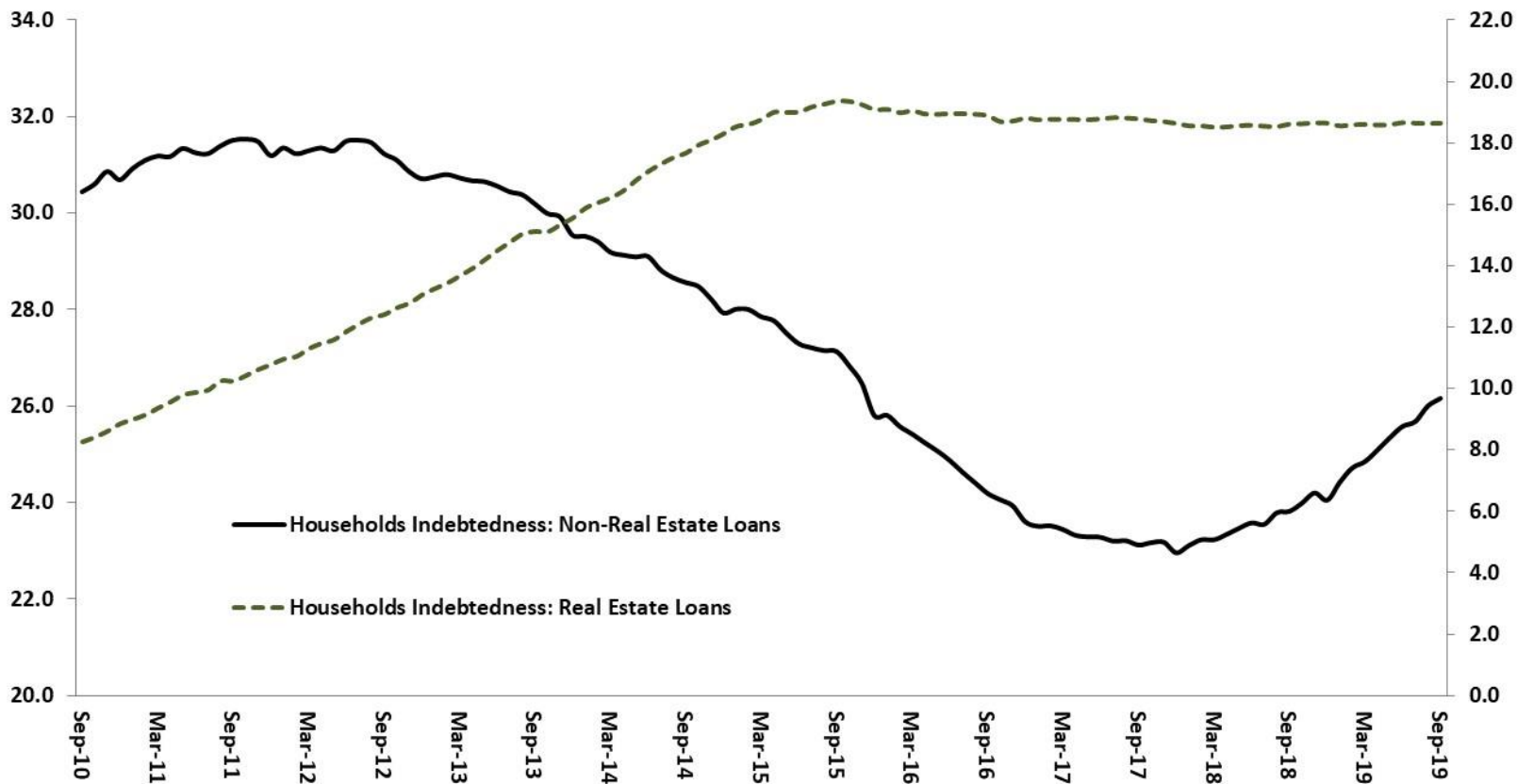
Source: Central Bank of Brazil. * Seasonally adjusted by SPE.

Households Indebtedness Rate

CREDIT MARKET

Households Indebtedness Rate* – Non-Real Estate Loans
% of 12-month Accumulated Income

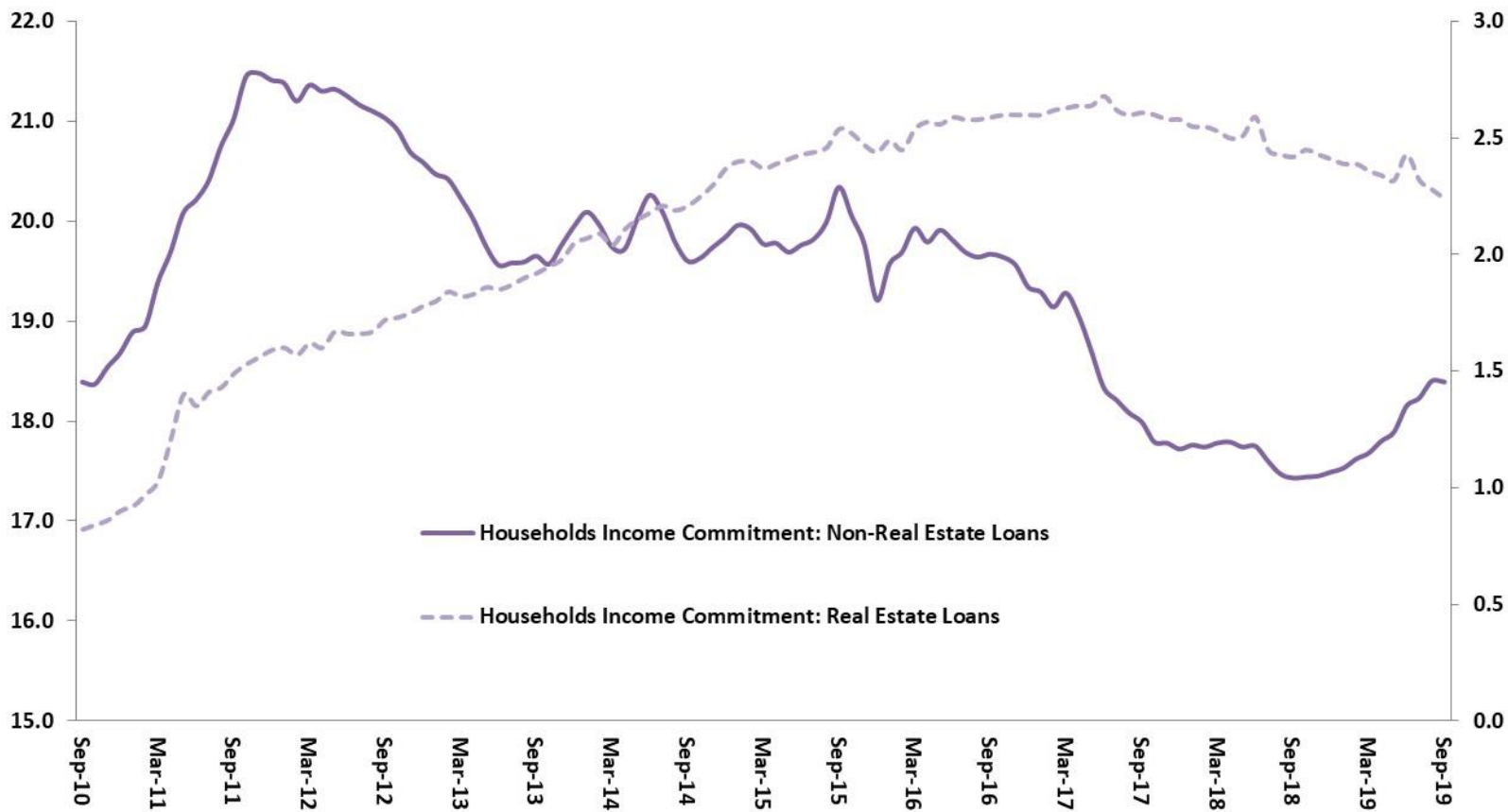
Households* Indebtedness Rate* – Real Estate Loans
% of 12-month Accumulated Income



Source: Central Bank of Brazil. * Indebtedness rate = total outstanding debt / 12-months accumulated income.

Households Income Commitment* – Non-Real Estate Loans
% of Monthly Income – 3-month moving average – seasonally adjusted data

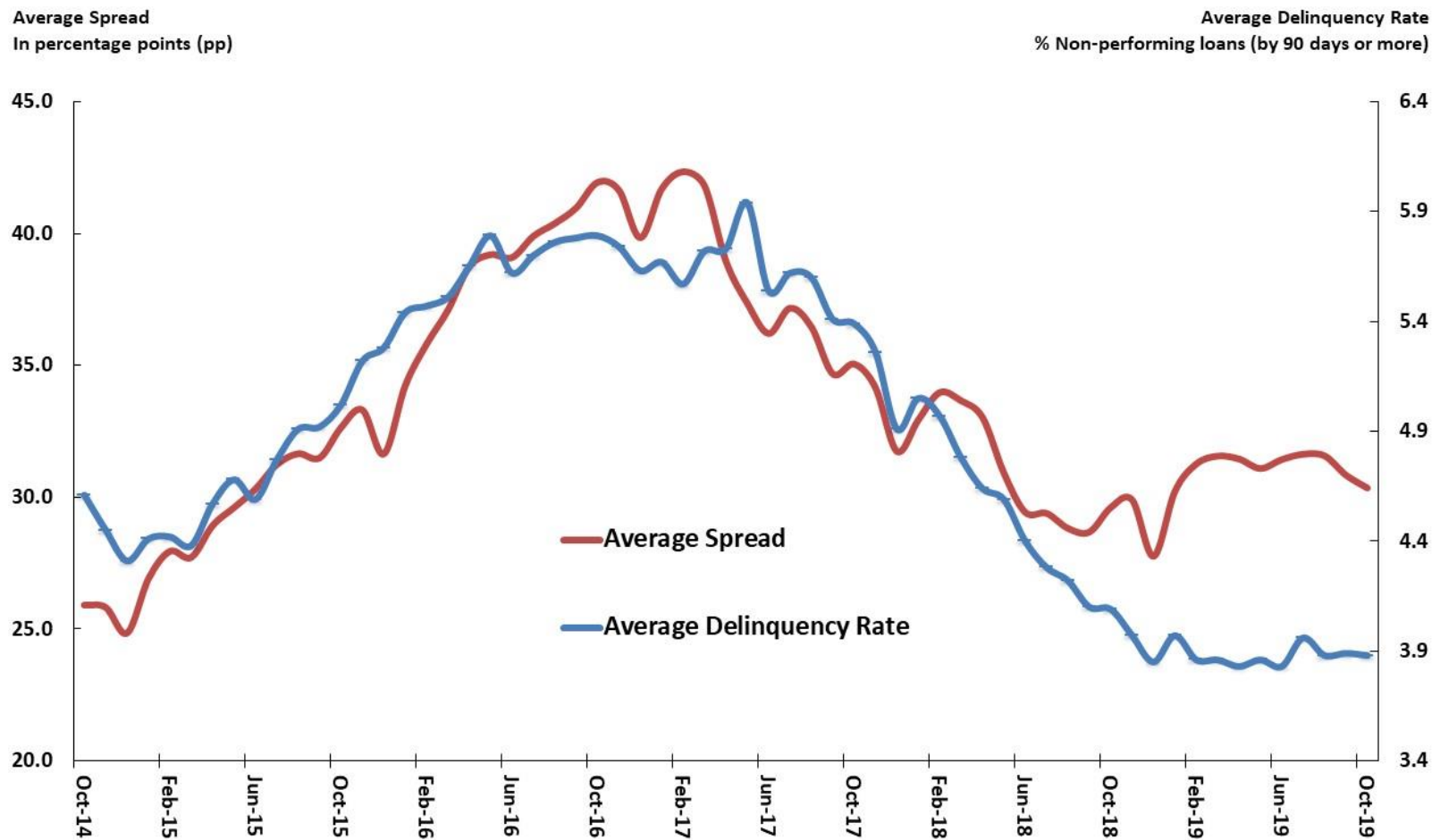
Households Income Commitment* – Real Estate Loans
% of Monthly Income – 3-month moving average – seasonally adjusted data



Source: Central Bank of Brazil. * Households Income Commitment = Loans Service Monthly Expenditure / Monthly Income.

Non-earmarked Resources: Spread and Delinquency Rates

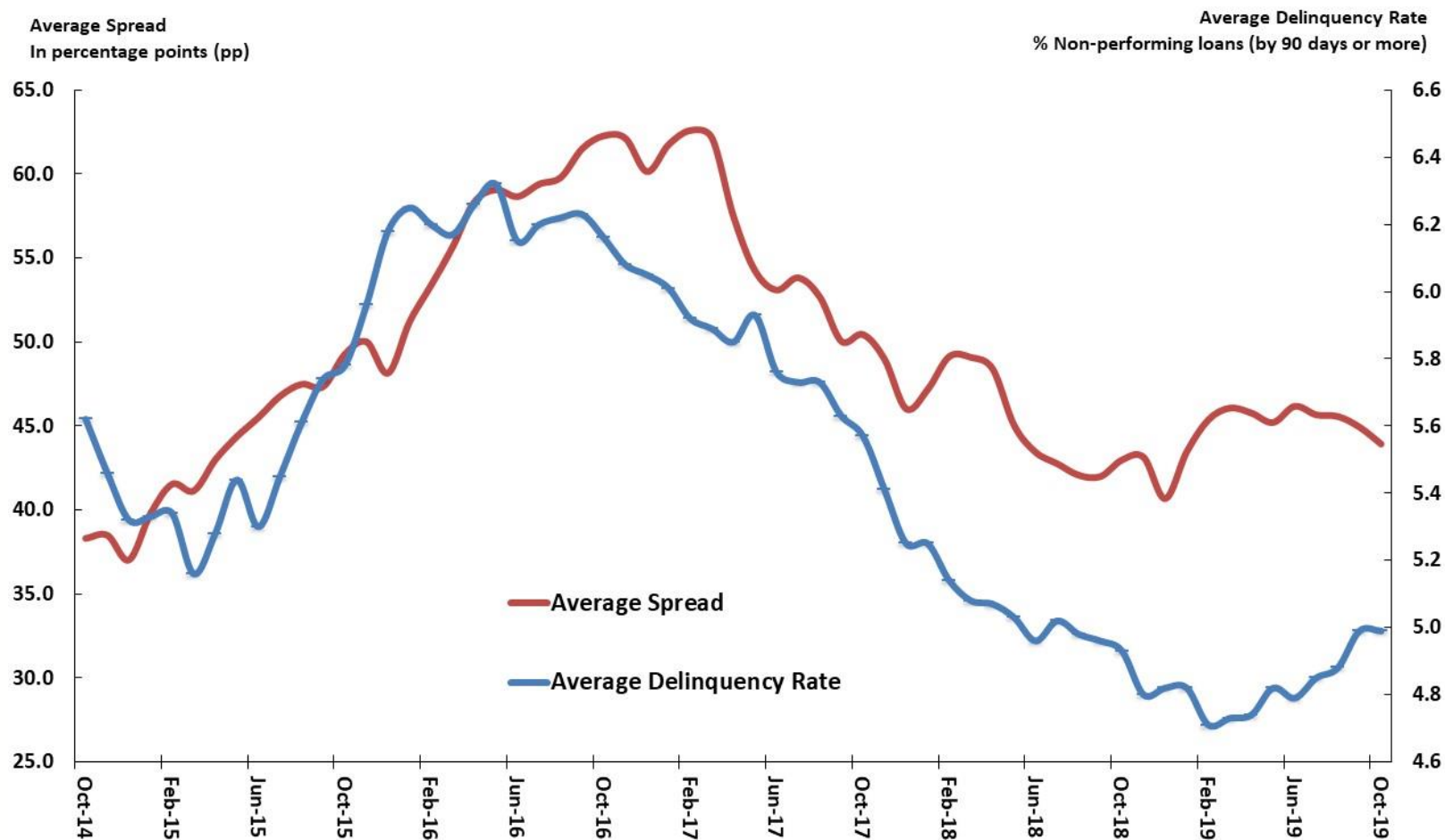
CREDIT MARKET



Source: Central Bank of Brazil.

Households Loans: Spread and Delinquency Rates

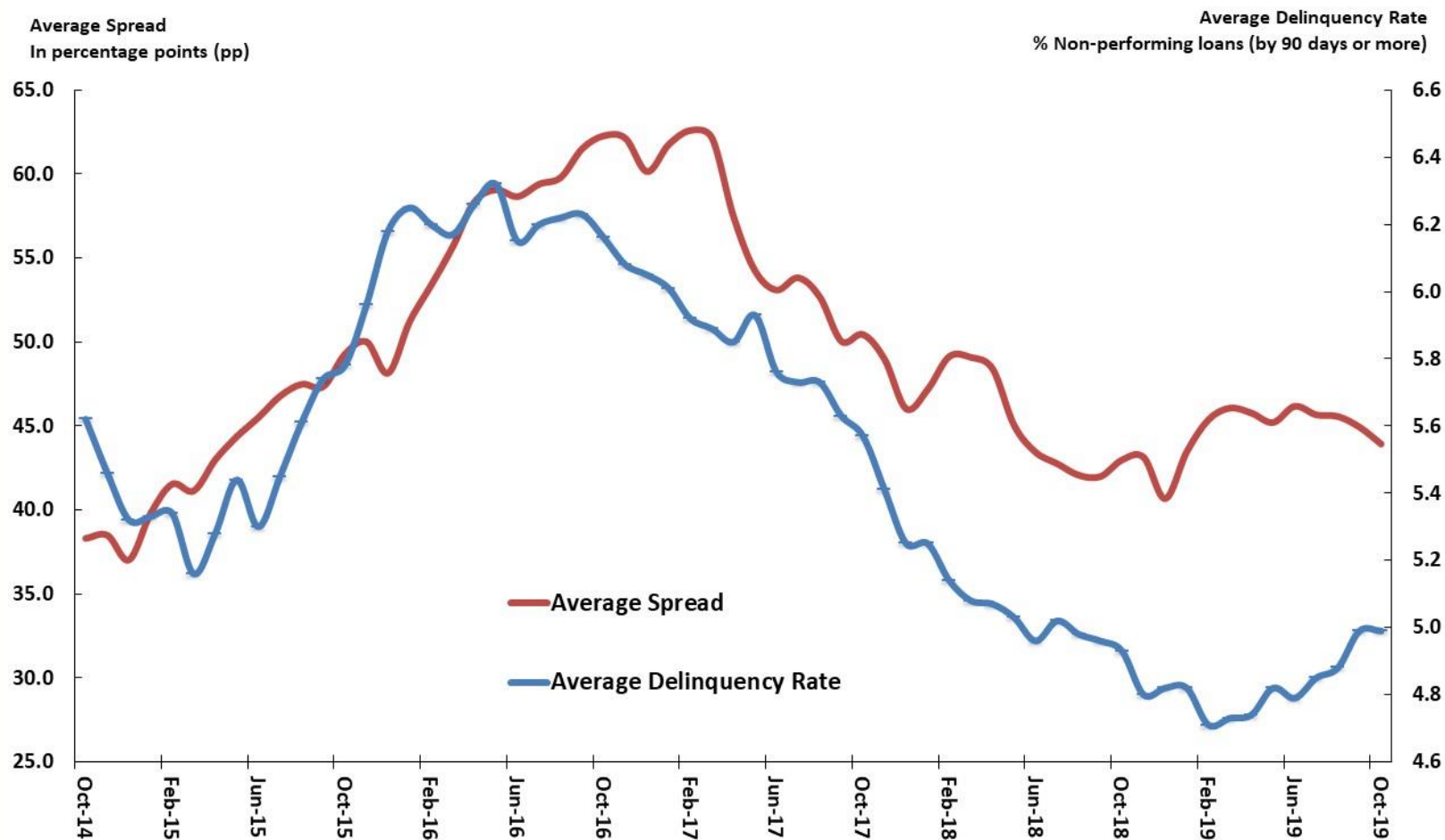
CREDIT MARKET



Source: Central Bank of Brazil.

Non-Financial Corp. Loans: Spread and Delinquency Rates

CREDIT MARKET



Source: Central Bank of Brazil.

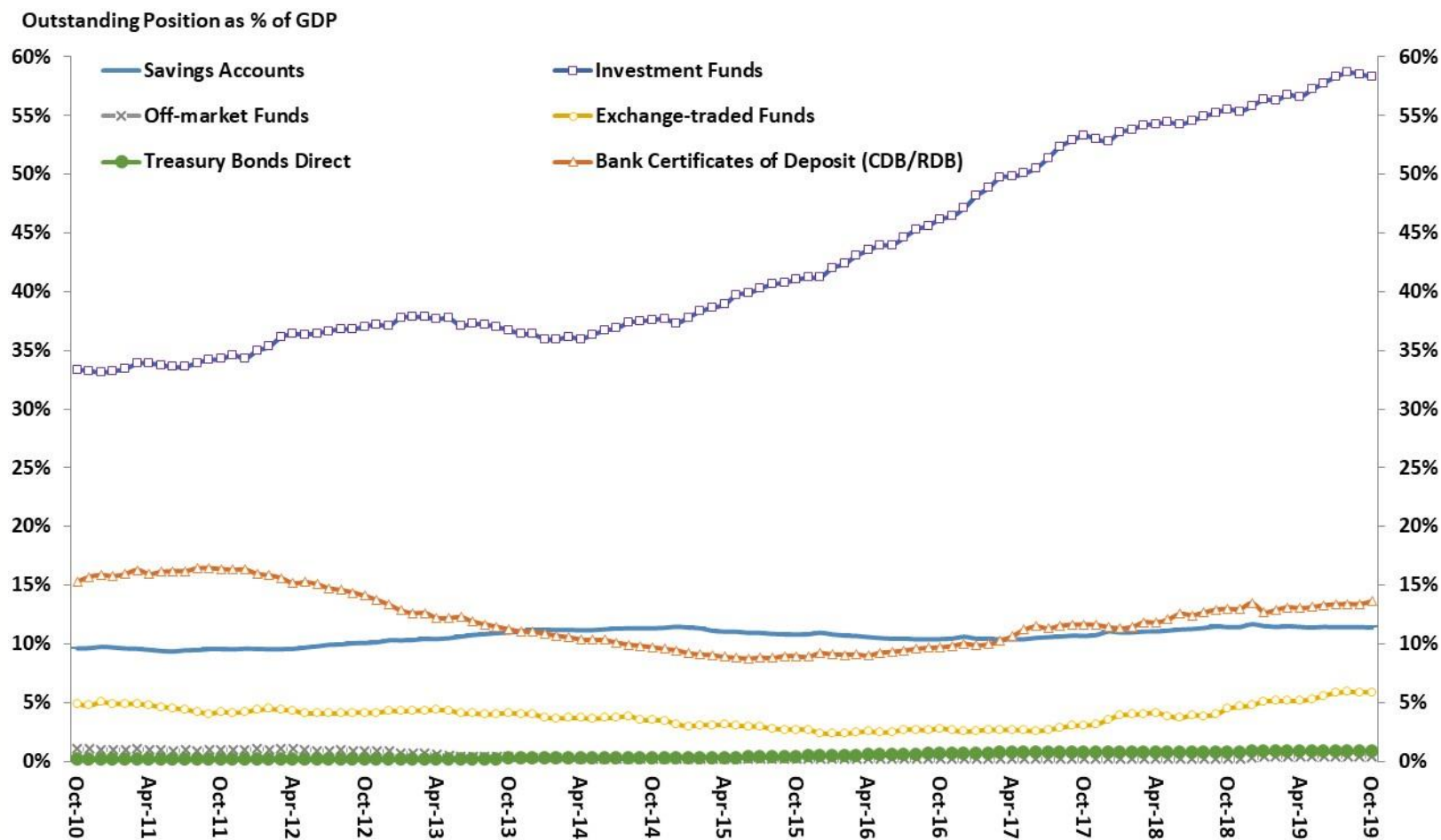
Financial Markets

										BCB/Focus: 11/29/19		
Financial Savings (BCB)	October-19											
		Dec-17	Dec-18	Oct-18	Oct-19	chg. % Dec/17 / Dec/16	chg. % Dec/18 / Dec/17	chg. % Oct/19- Dec/18	chg. % Oct/19- Oct/18			
Outstanding Positions - R\$ billions												
Bank Certificates of Deposit (CDB/RDB)		749.1	920.4	872.1	945.8	19.4%	22.9%	2.8%	8.5%			
Savings Accounts (Caderneta de Poupança)		724.6	797.3	775.8	807.8	9.0%	10.0%	1.3%	4.1%			
Investment Funds		3,462.6	3,809.2	3,728.8	4,133.9	17.2%	10.0%	8.5%	10.9%			
Off-market Funds (Fundos Extramercado)		13.5	18.9	13.6	29.0	-9.1%	39.5%	53.6%	113.7%			
Exchange-traded Funds		232.5	324.4	268.6	415.7	47.0%	39.5%	28.2%	54.8%			
Treasury Bonds Direct (Tesouro Direto)		48.5	54.2	51.6	58.8	18.1%	11.8%	8.4%	13.9%			
BM&F-Bovespa - listed companies value as % of GDP		48.4%	46.7%	48.4%	46.7%	0.52 pp	0.00 pp	8.74 pp	-1.73 pp			
Capital Market (CVM)	September-19											
		Dec-17	Dec-18	Sep-18	Sep-19	chg. % Dec/17 / Dec/16	chg. % Dec/18 / Dec/17	chg. % Sep/19- Dec/18	chg. % Sep/19- Sep/18			
New Public Offering - R\$ billions												
Stocks		8.4	3.4	3.4	1.8	1462.8%	-59.2%	-	-			
Debentures		6.4	2.7	2.0	7.5	-70.9%	-57.5%	-	-			
Housing Credit-backed Securities (CRI)		12.0	6.5	4.1	9.5	5.9%	-45.8%	-48.9%	112.5%			
Investment Funds - new shares		5.2	11.2	8.6	9.4	150.0%	113.5%	101.0%	376.2%			
Monet Market (BCB)	November-19											
		Dec-17	Dec-18	Nov-18	Nov-19	chg. % Dec/17 / Dec/16	chg. % Dec/18 / Dec/17	chg. % Nov/19- Dec/18	chg. % Nov/19- Nov/18			
Interest Rates												
Selic market rate (% py)		7.00	6.40	6.40	4.90	-6.7 pp	-0.6 pp	-1.5 pp	-1.5 pp			
CDI (% py)		6.99	6.40	6.40	4.90	-6.6 pp	-0.6 pp	-1.5 pp	-1.5 pp			
Swap DI-Pre 180 days (% py)		6.67	6.45	6.56	4.87	-5.8 pp	-0.2 pp	-1.6 pp	-1.7 pp			
Swap DI-Pre 360 days (% py)		6.86	6.55	7.00	4.85	-4.7 pp	-0.3 pp	-1.7 pp	-2.2 pp			
Monet Market (BCB)	December-19											
		Dec-17	Dec-18	Dec-18	Dec-19	chg. % Dec/17 / Dec/16	chg. % Dec/18 / Dec/17	chg. % Dec/19- Dec/18	chg. % Dec/19- Dec/18	2019	2020	2021
Selic target rate (% py)		7.00	6.50	6.50	5.00	-6.8 pp	-0.50 pp	-1.5 pp	-1.5 pp	4.50%	6.00%	6.50%
TJLP (% py)		7.00	6.98	6.98	5.57	-0.5 pp	0.0 pp	-1.41 pp	-1.41 pp			
Brazil Sovereign Risk (BCB)	November-19											
		Dec-17	Dec-18	Nov-18	Nov-19	chg. pp Dec/17 / Dec/16	chg. pp Dec/18 / Dec/17	chg. % Nov/19- Dec/18	chg. % Nov/19- Nov/18			
Monthly Average (in basis points)												
EMBI+ (JPMorgan)		240	276	260	240	-88 pp	36 pp	-36 pp	-20 pp			
5 years CDS		162	208	204	120	-119 pp	46 pp	-87 pp	-84 pp			
10 years CDS		259	283	290	193	-100 pp	24 pp	-90 pp	-97 pp			

Macroeconomic Parameters

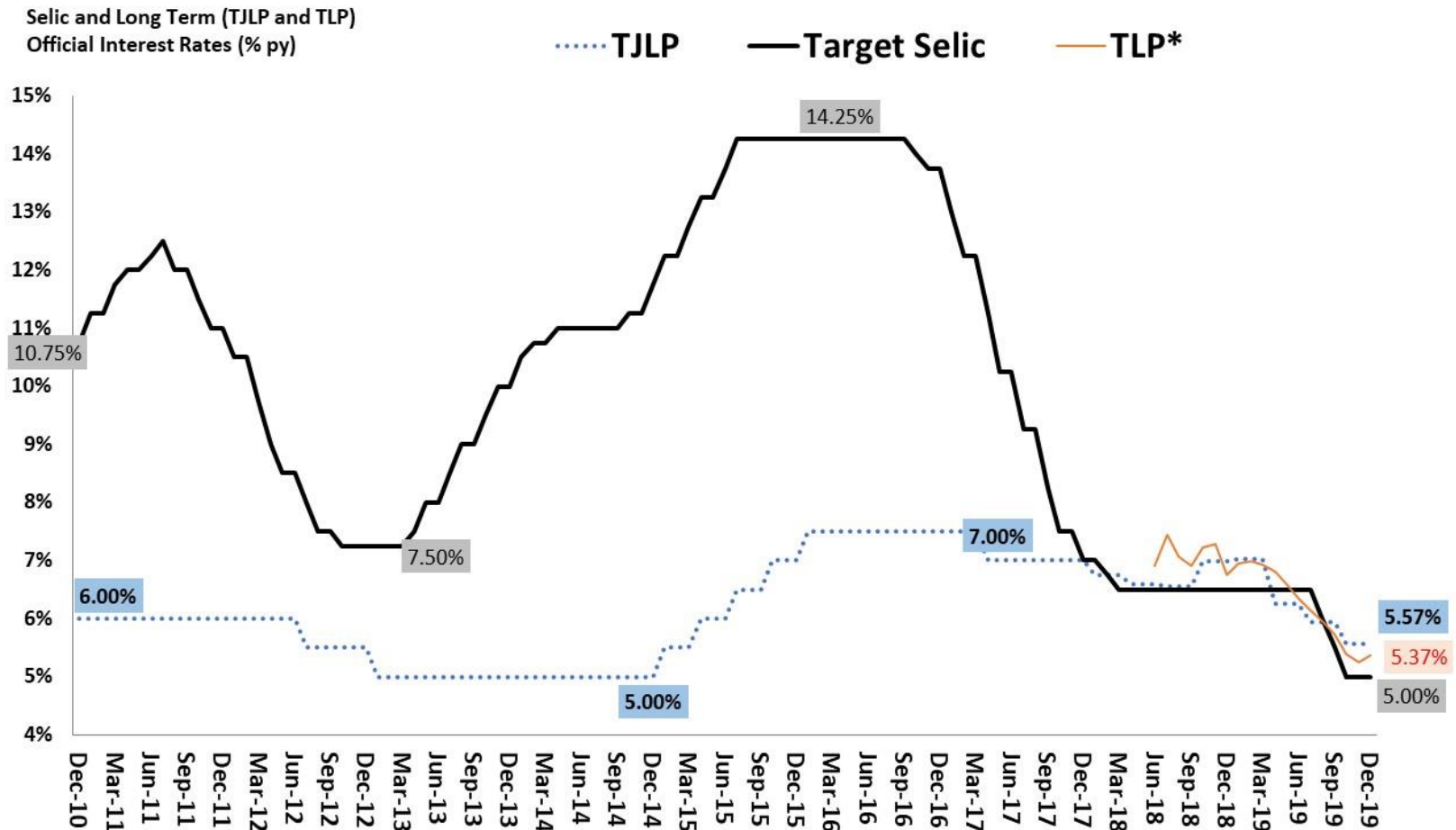
Year	Financial Indicators							
	Selic market rate			Long term rate TJLP		Referential rate TR	Financial Savings	
	Annual Average	December	Real chg.	Annual Average	December	Annual Average	Annual Average	
	Annual chg. %						BRL million	Annual chg. %
2013	8.12	9.90	2.09	5.00	5.00	0.19	3,219,399	9.66
2014	10.85	11.58	4.18	5.00	5.00	0.86	3,540,183	9.96
2015	13.34	14.15	2.41	6.22	7.00	1.80	4,009,835	13.27
2016	14.08	13.65	7.33	7.50	7.50	2.01	4,566,852	13.89
2017	9.87	7.00	6.72	7.12	7.00	0.60	4,992,614	9.32
2018	6.48	6.40	2.64	6.72	6.98	0.00	5,346,678	7.09
2019	5.88	4.40	2.54	6.18	5.57	0.00	5,740,087	7.36
2020	4.40	4.40	0.84	4.49	4.36	0.00	6,152,437	7.18
2021	5.38	6.28	1.57	4.59	4.78	0.00	6,575,710	6.88
2022	6.34	6.40	2.75	4.75	4.65	0.00	7,036,337	7.00
2023	6.40	6.40	2.80	4.39	4.23	0.00	7,532,260	7.05

Source: SPE/ME. Macroeconomic Parameters, October-2019.



Source: Central Bank of Brazil.

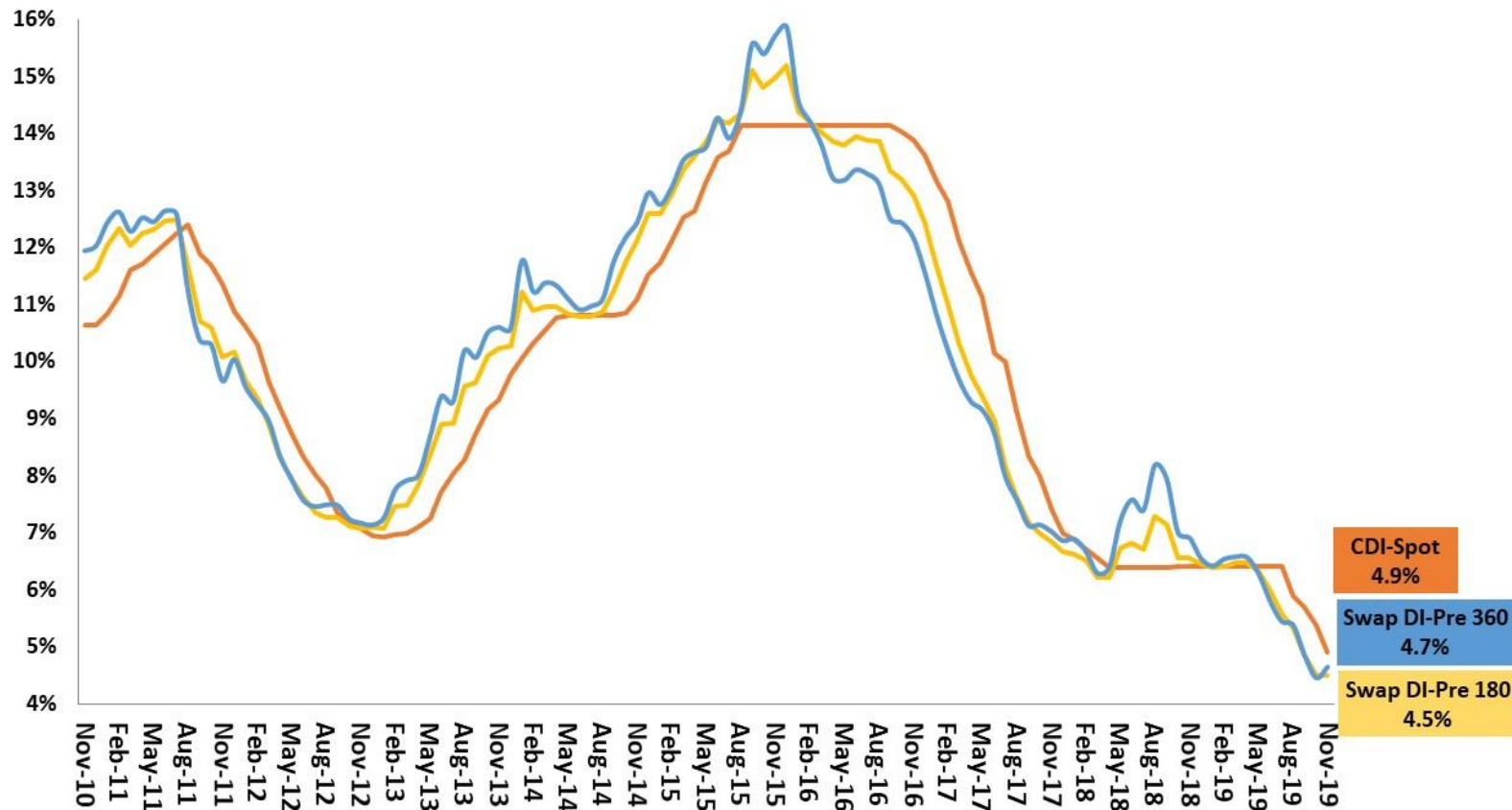
Official Interest Rates Evolution (Target Selic and TJLP)



Source: Central Bank of Brazil. *TLP is 3-Month average of 5-Year NTN-B bonds plus IPCA Market Expectation (Focus Survey by BCB).

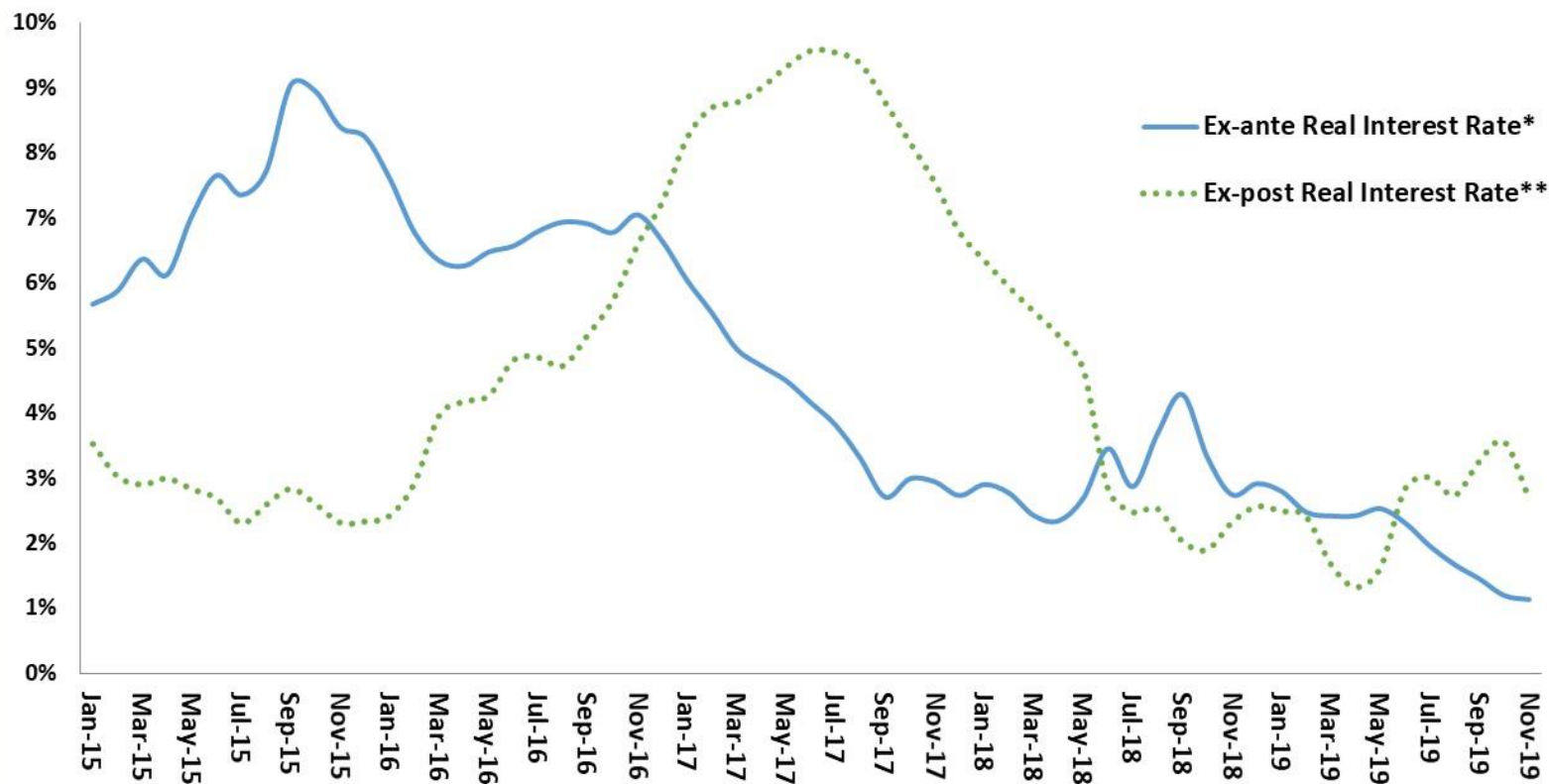
Interbank Spot, 180 and 360-days
Interest Rate (% p.a.)

Reverse Points of Yield Curve



Source: Central Bank of Brazil.

Ex-ante and Ex-post Real (Interbank CDI/IPCA)
Interest Rates (% py)



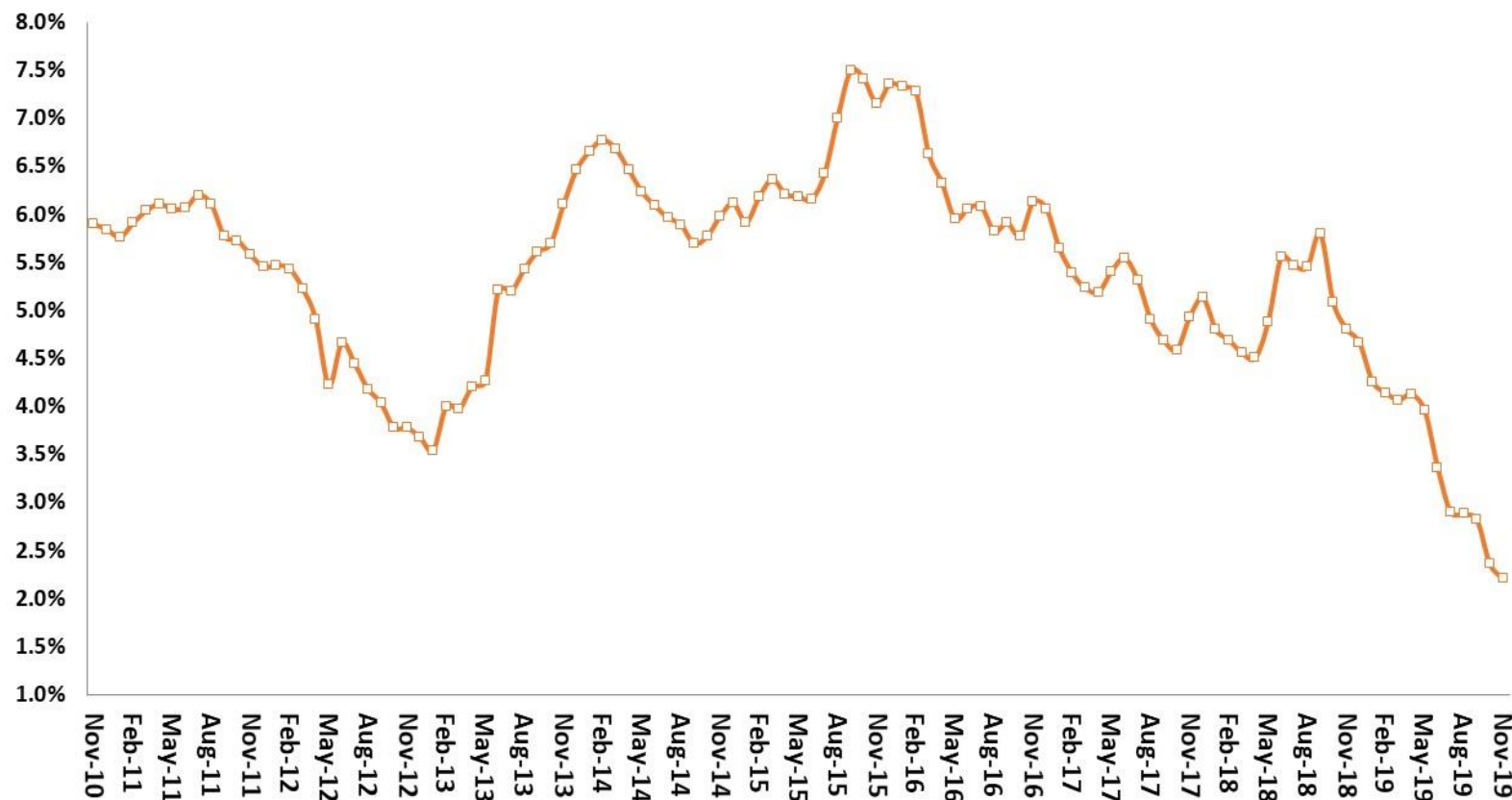
Source: Central Bank of Brazil. Data valid up to the date of the report.

* Ex-ante Real Interest Rate = Expected Interbank CDI/IPCA ratio, considering 360-days Swap DI-Pre rate and IPCA median of BCB-Focus Survey.

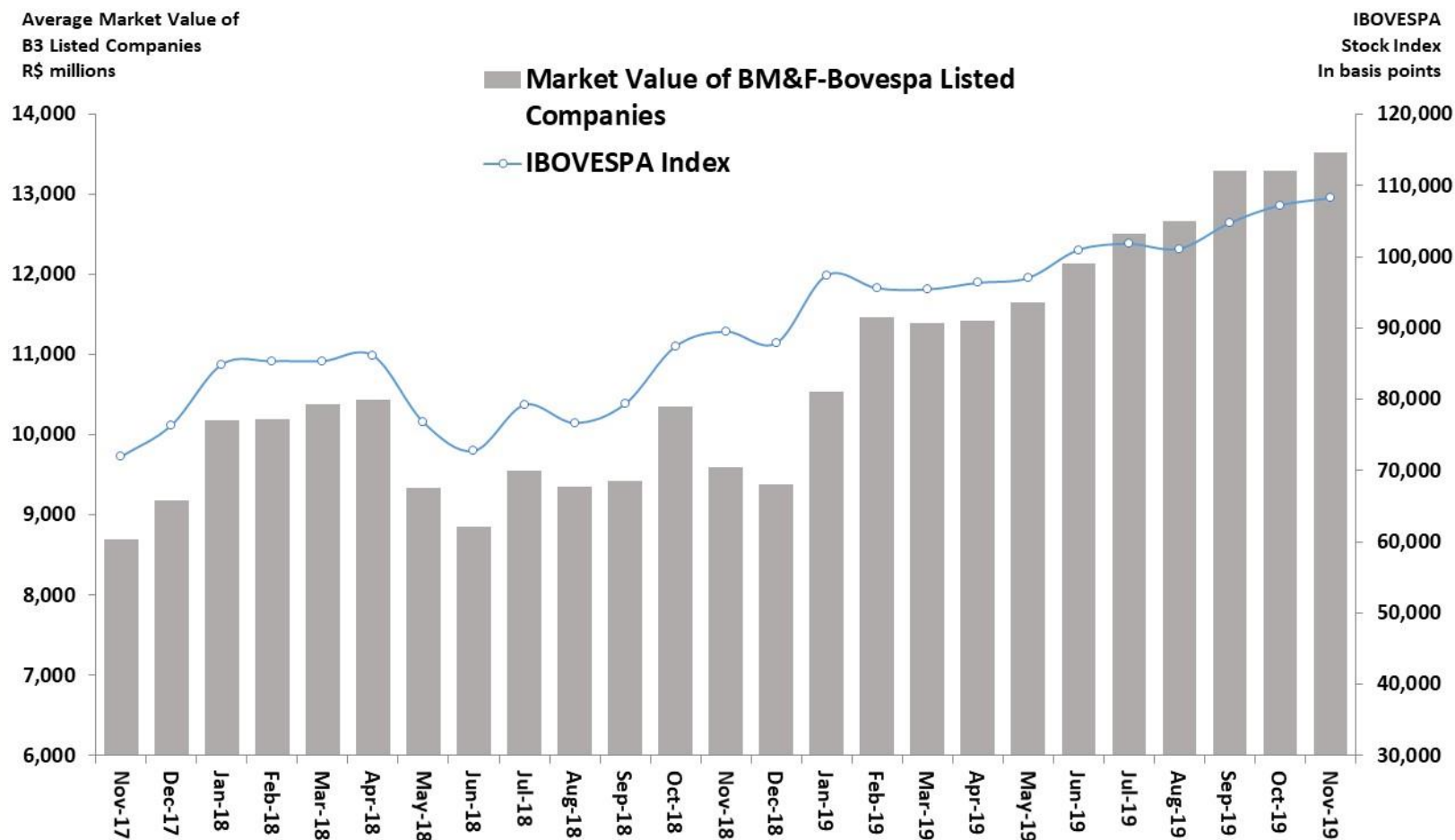
** Ex-post Real Interest Rate = Observed 12-months accumulated CDI/IPCA ratio.

NTN-B 2024*

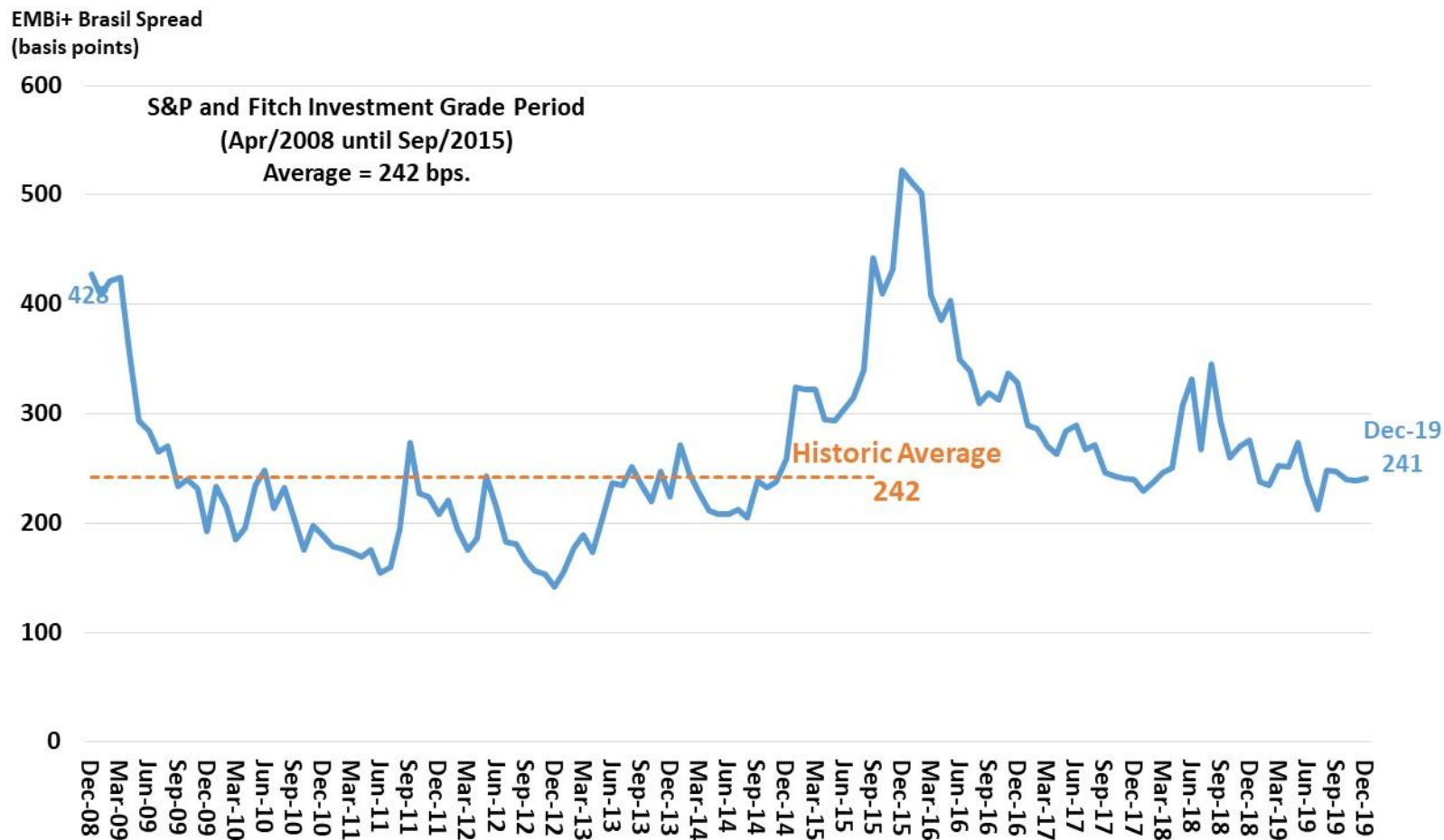
Real Interest Rate (% p.a.) – End Of Month



Source: STN. * Interest rate paid by the NTN-B 2024 besides the IPCA inflation rate. Data valid up to the date of the report.

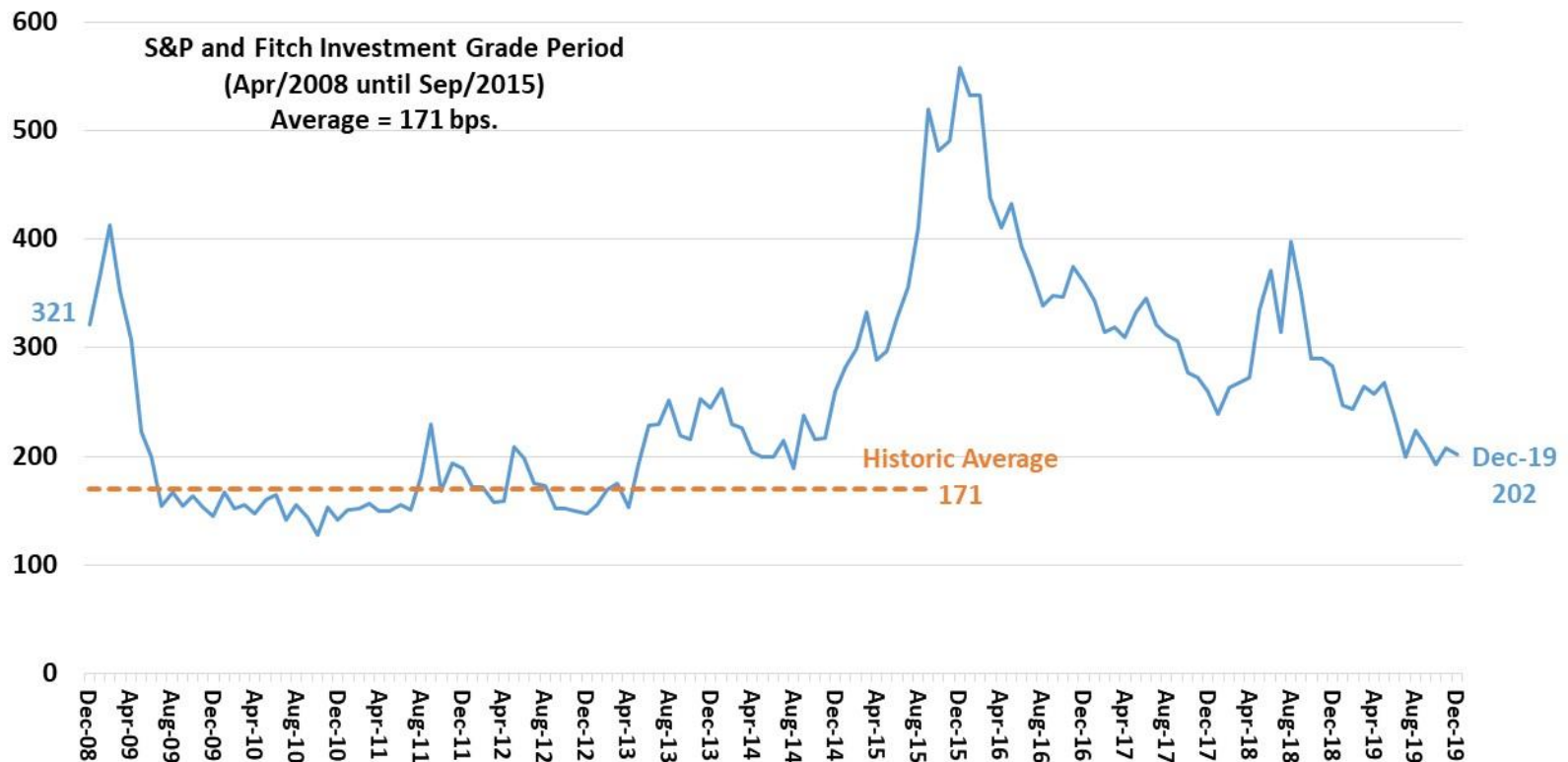


Source: Central Bank of Brazil.



Source: JPMorgan. Data valid up to the date of the report.

CDS 10Y Brazil Spread
basis points



Source: Bloomberg. Data valid up to the date of the report.

Foreign Trade

											BCB/Focus: 11/29/19		
Exchange Rate Indicators (BCB)	November-19			chg.%	chg.%	chg.%		Sep/19	Oct/19	Nov/19	Average FX	Average FX	Average FX
FX % change rate: appreciation (-) or depreciation (+) of the Real		2017	2018	Sep/19- Sep/18	Oct/19- Oct/18	Nov/19- Nov/18	YTD 2019	accum. in 12-months	accum. in 12-months	accum. in 12-months	Rate 2019	FX Rate 2020	FX Rate 2021
Nominal Exchange Rate (R\$/US\$) - sale - end of period; month value:	4.224	-7.2%	14.9%	4.0%	7.7%	9.3%	7.5%	9.4%	8.9%	8.2%	4.04	4.00	4.00
Exchange Rate Indicators (BCB)	October-19			chg.%	chg.%	chg.%		Aug/19	Sep/19	Oct/19			
FX % change rate: appreciation (-) or depreciation (+) of the Real		2017	2018	Aug/19- Aug/18	Sep/19- Sep/18	Oct/19- Oct/18	YTD 2019	accum. in 12-months	accum. in 12-months	accum. in 12-months			
Real Effective Exchange Rate (IPCA)		-8.9%	12.1%	-2.8%	-3.2%	5.4%	0.9%	4.0%	2.2%	1.9%			
Exchange Rate / Wage Ratio adjusted by Labor Productivity		-1.6%	10.2%	-2.7%	-1.9%	5.7%	0.3%	2.8%	1.2%	1.2%			
Unitary Labor Cost in US\$		7.4%	-12.0%	2.2%	1.2%	-6.5%	-4.7%	-8.3%	-6.4%	-5.5%			
Foreign Trade of Goods (FUNCEX)	October-19			chg.%	chg.%	chg.%		Aug/19	Sep/19	Oct/19			
Average Price and Quantum		2017	2018	Aug/19- Aug/18	Sep/19- Sep/18	Oct/19- Oct/18	YTD 2019	accum. in 12-months	accum. in 12-months	accum. in 12-months			
QUANTUM													
Exports (X)		6.8%	4.7%	-13.0%	2.2%	-8.7%	-3.4%	0.9%	1.3%	-0.4%			
Basic Goods		13.2%	9.9%	-7.3%	-0.3%	-2.4%	-0.1%	7.0%	6.4%	4.2%			
Semi-Manufactured		0.6%	-4.4%	14.8%	-19.3%	-6.8%	-0.2%	2.6%	1.0%	0.8%			
Manufactured		2.7%	2.8%	-25.2%	19.5%	-16.6%	-6.1%	-4.5%	-2.1%	-3.8%			
Imports (M)		5.3%	11.9%	-11.7%	25.1%	12.7%	3.5%	1.7%	4.0%	4.3%			
Intermediate Goods		7.0%	5.0%	0.8%	13.5%	21.6%	8.0%	4.6%	6.1%	7.2%			
Capital Goods		-9.1%	68.1%	-37.6%	130.2%	19.9%	-1.5%	-1.8%	6.8%	7.4%			
Durable Consumer Goods		8.5%	26.0%	-28.1%	-18.9%	-22.6%	-18.3%	-11.8%	-15.3%	-18.6%			
Semi and Non-Durable Consumer Goods		8.2%	3.7%	-8.5%	5.2%	-5.2%	-3.0%	-3.6%	-2.6%	-4.2%			
Fuel and Lubricants		9.4%	2.9%	-24.5%	25.9%	-9.0%	0.2%	-0.8%	1.8%	0.6%			
Exports Profitability Index		-1.3%	11.7%	5.5%	0.8%	1.1%	0.8%	4.7%	3.1%	2.4%			
Quantum Ratio = average quantum X / average quantum M		1.4%	-6.2%	-0.5%	-17.3%	-18.4%	-3.5%	1.8%	0.2%	-1.4%			
PRICE													
Exports (X)		10.1%	5.2%	-0.6%	-3.8%	-9.4%	-3.7%	-0.8%	-1.5%	-2.7%			
Basic Goods		12.8%	7.4%	4.3%	-4.1%	-9.1%	-2.2%	1.6%	0.4%	-1.0%			
Semi-Manufactured		11.7%	1.7%	-6.0%	-6.2%	-11.1%	-5.8%	-3.9%	-4.2%	-5.3%			
Manufactured		5.7%	4.9%	-6.0%	-3.8%	-10.0%	-3.7%	-0.5%	-1.1%	-2.6%			
Imports (M)		4.1%	7.4%	-6.1%	-6.6%	-6.2%	-3.9%	0.1%	-1.1%	-2.2%			
Intermediate Goods		3.0%	6.7%	-6.9%	-6.3%	-5.9%	-4.2%	-0.5%	-1.7%	-2.7%			
Capital Goods		-3.2%	5.4%	0.0%	-6.0%	-6.0%	-5.0%	-0.9%	-2.2%	-2.9%			
Durable Consumer Goods		2.0%	0.5%	-1.8%	5.0%	6.9%	0.8%	-1.7%	-0.9%	0.5%			
Semi and Non-Durable Consumer Goods		-1.8%	1.2%	4.6%	0.6%	3.4%	0.7%	0.1%	0.5%	0.7%			
Fuel and Lubricants		29.5%	21.8%	-16.5%	-18.2%	-18.7%	-6.9%	4.7%	0.7%	-2.8%			
Terms of Trade = average price X / average price M		5.8%	-2.1%	5.9%	3.0%	-3.4%	0.2%	-0.9%	-0.3%	-0.5%			

Macroeconomic Parameters								
Year	Imports of Goods				Fuels			
	Brent Oil		Imports of Goods less Fuels		Gasoline		Diesel	
	Average price	Chg. %	USD million	Chg. %	Annual average sales			
	USD				Million cubic meters	Chg. %	Million cubic meters	Chg. %
2013	108.85	-2.78	199134.99	5.86	2.59	4.35	4.88	4.78
2014	98.94	-9.11	189650.12	-4.76	2.77	7.09	5.00	2.49
2015	52.37	-47.07	149741.94	-21.04	2.51	-9.33	4.77	-4.70
2016	44.05	-15.89	125178.62	-16.40	2.62	4.09	4.52	-5.13
2017	54.39	23.49	133174.22	6.39	2.69	2.63	4.56	0.91
2018	71.07	30.66	159196.92	19.54	2.33	-13.13	4.64	1.56
2019	63.53	-10.61	160663.53	0.92	2.29	-1.65	4.79	3.25
2020	58.96	-7.19	178064.22	10.83	2.39	4.12	4.95	3.51
2021	57.34	-2.74	201221.30	13.00	2.50	4.67	5.14	3.76
2022	56.92	-0.74	226862.44	12.74	2.62	4.72	5.33	3.76
2023	57.16	0.43	254907.72	12.36	2.74	4.80	5.54	3.78

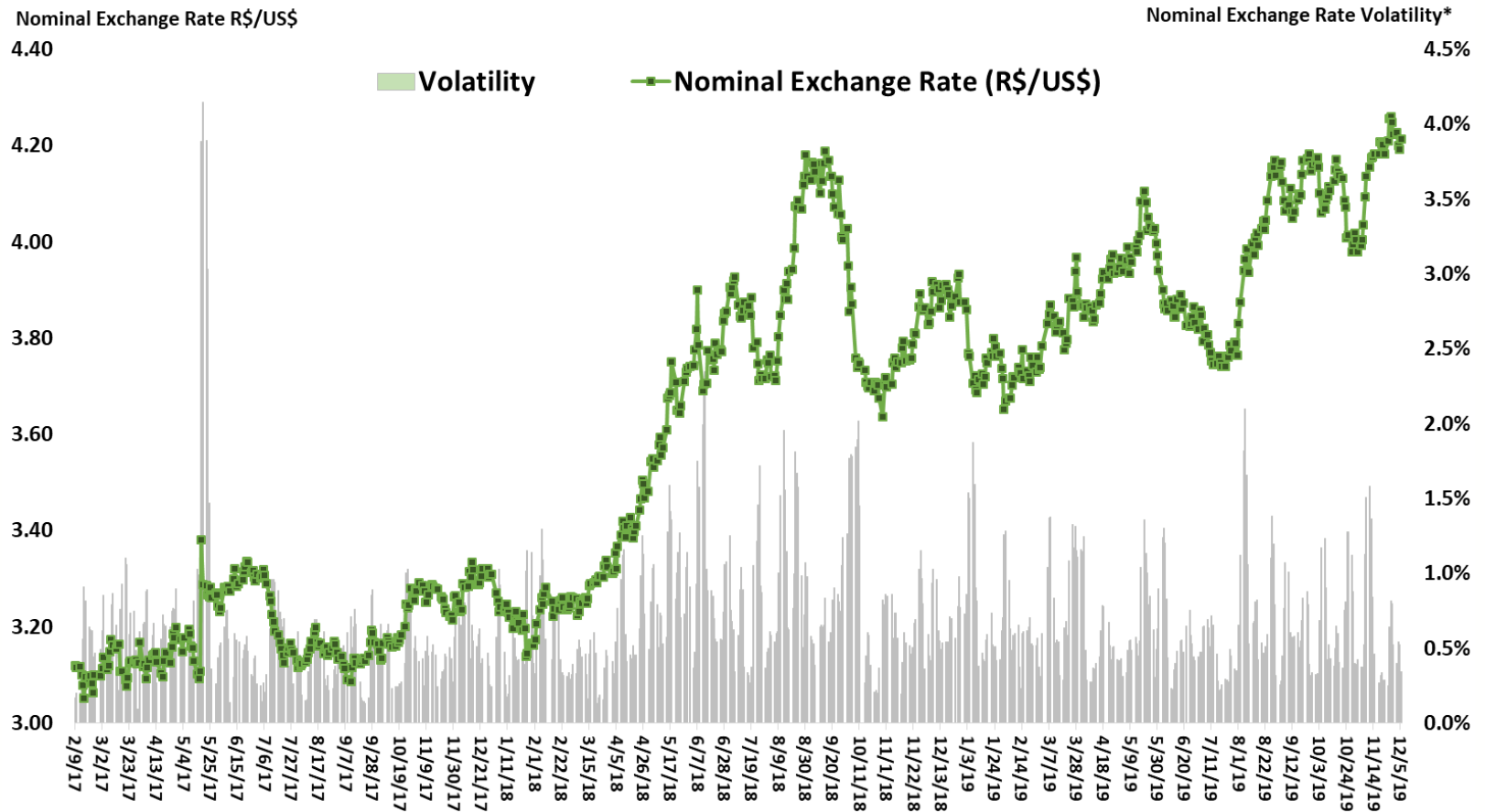
Source: SPE/ME. Macroeconomic Parameters, October-2019.

Macroeconomic Parameters				
Year	External Sector			
	Exchange Rate			
	Annual Average	December	Average chg. %	Annual chg. %
	Exchange Rate BRL/USD			
2013	2.2	2.3	10.4	12.9
2014	2.4	2.7	9.1	12.5
2015	3.3	3.9	41.6	46.7
2016	3.49	3.26	4.76	-13.40
2017	3.19	3.31	-8.54	-1.80
2018	3.65	3.87	14.49	18.02
2019	3.93	4.00	7.45	2.96
2020	4.00	4.00	1.86	0.00
2021	3.96	3.95	-0.89	-1.24
2022	3.98	4.00	0.26	1.20
2023	4.02	4.03	1.01	0.77

Source: SPE/ME. Macroeconomic Parameters, October-2019.

Daily Nominal Exchange Rate R\$/US\$

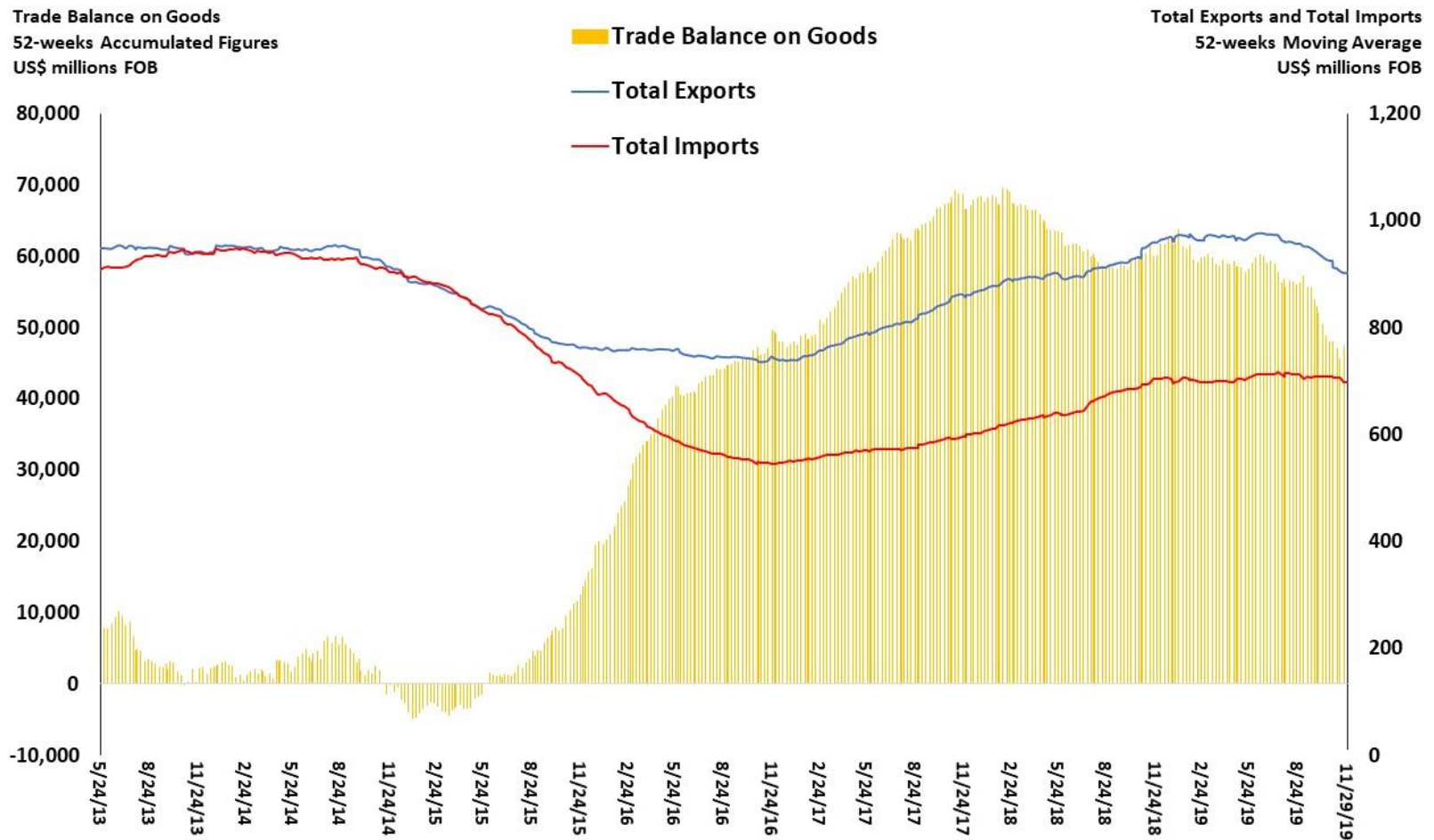
FOREIGN TRADE



Source: Central Bank of Brazil. *Volatility = 5-days Moving Coefficient of Variation.

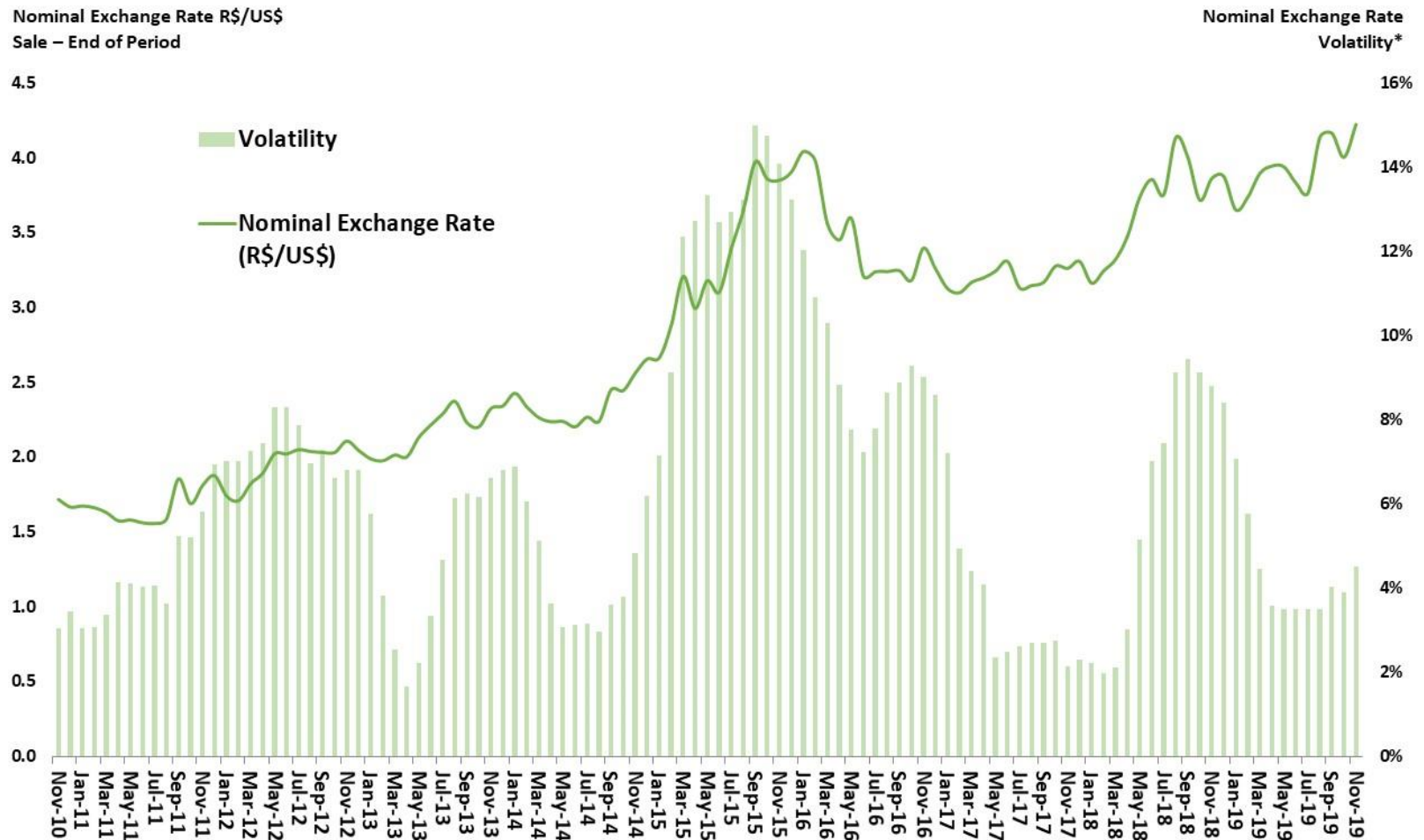
Trade Balance on Goods (52 weeks daily average)

FOREIGN TRADE

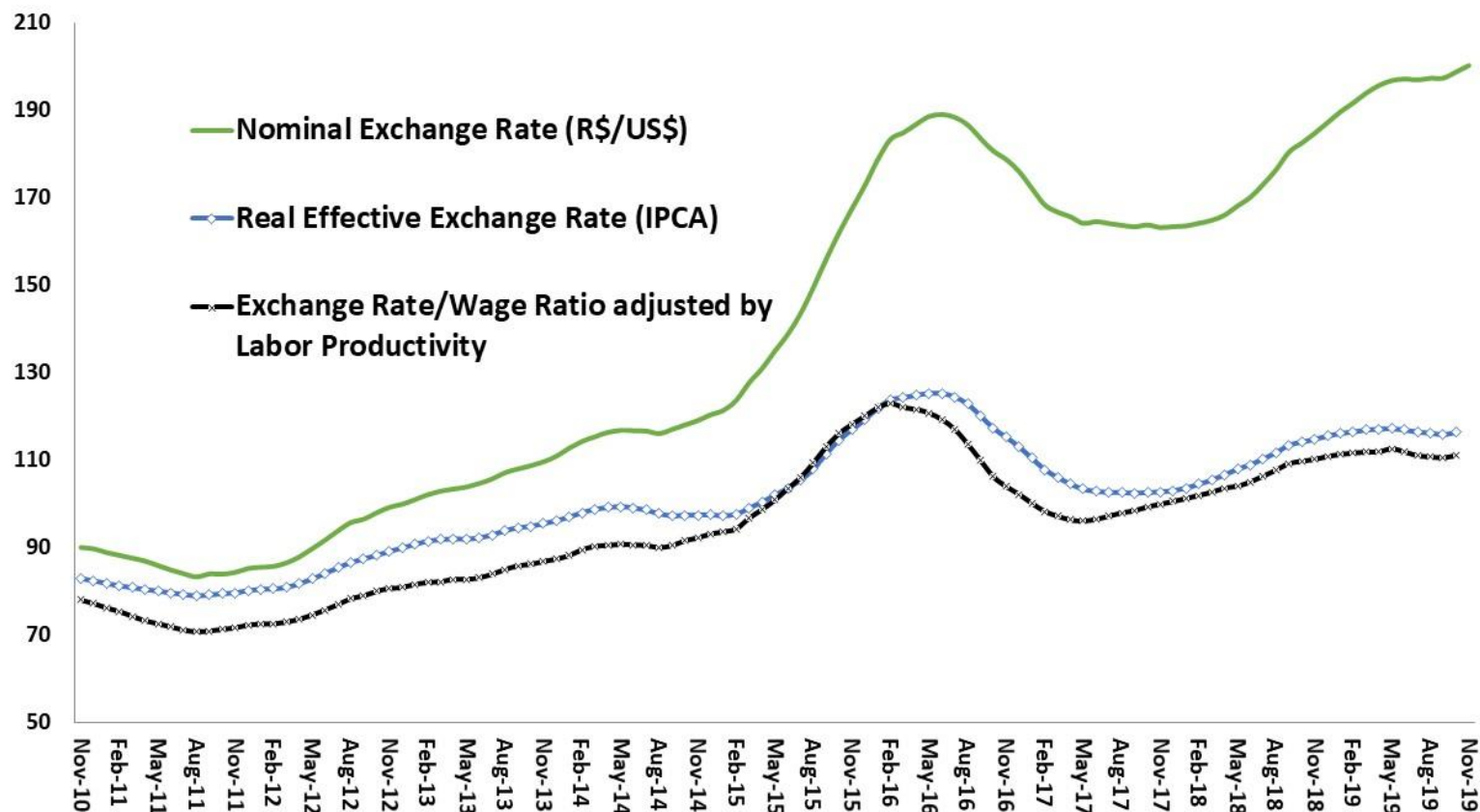


Nominal Exchange Rate R\$/US\$

FOREIGN TRADE



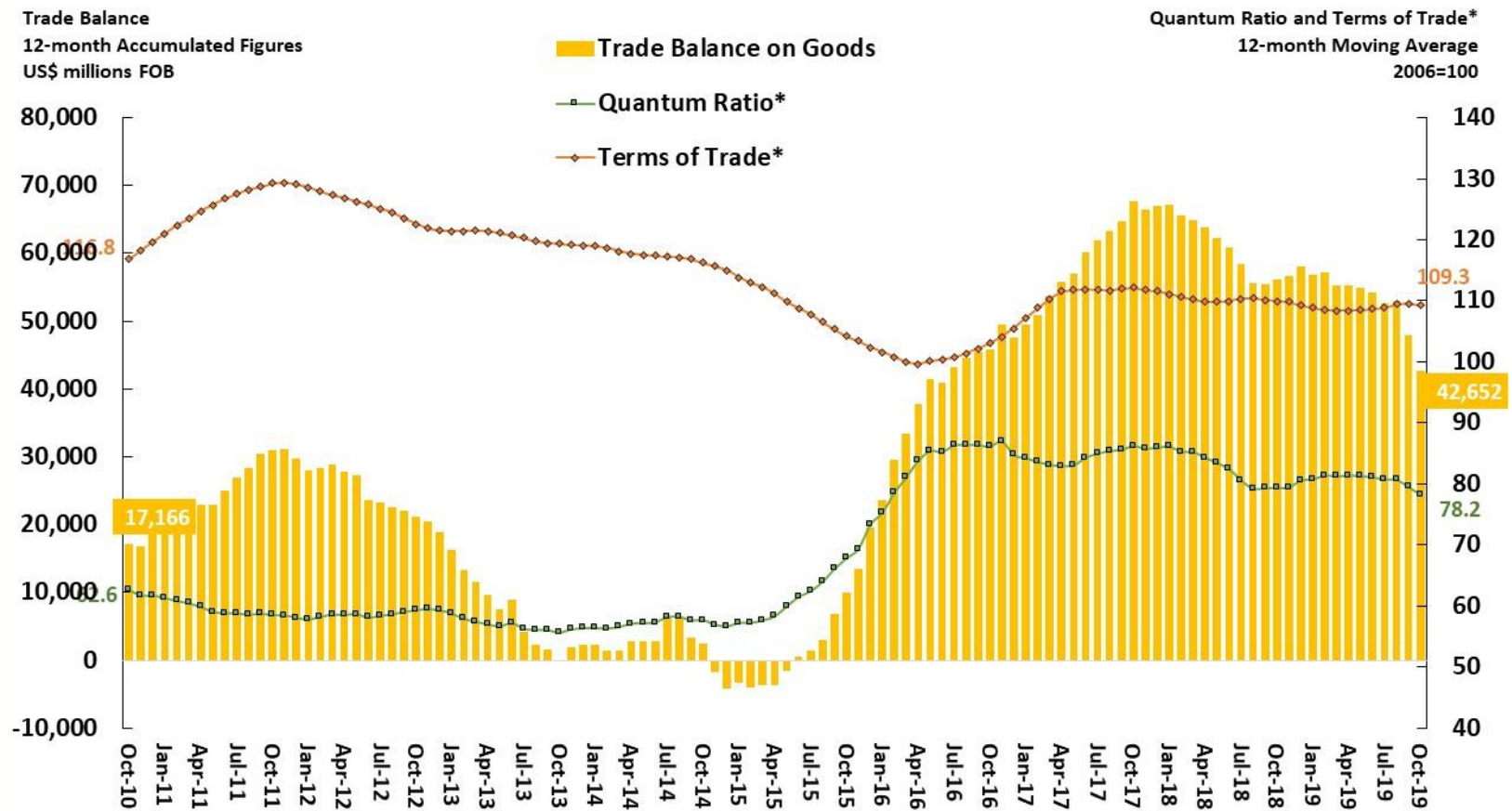
Exchange Rate Indexes (2006=100)
12-month Moving Average



Source: Central Bank of Brazil.

Trade Balance, Quantum and Terms of Trade Ratios

FOREIGN TRADE

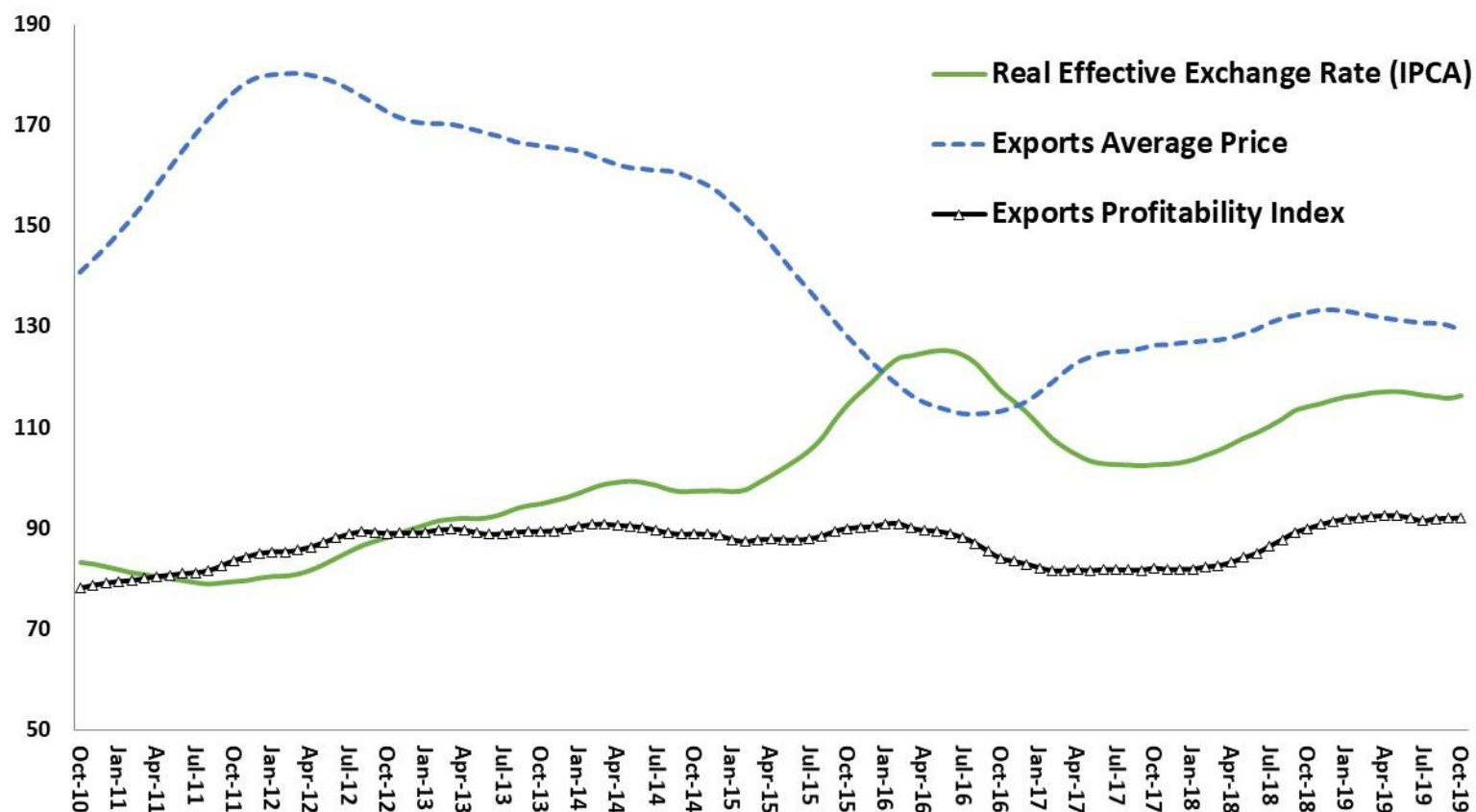


Sources: Central Bank of Brazil, SECEX and FUNCEX.

* Quantum Ratio = (average quantum Exports / average quantum Imports)

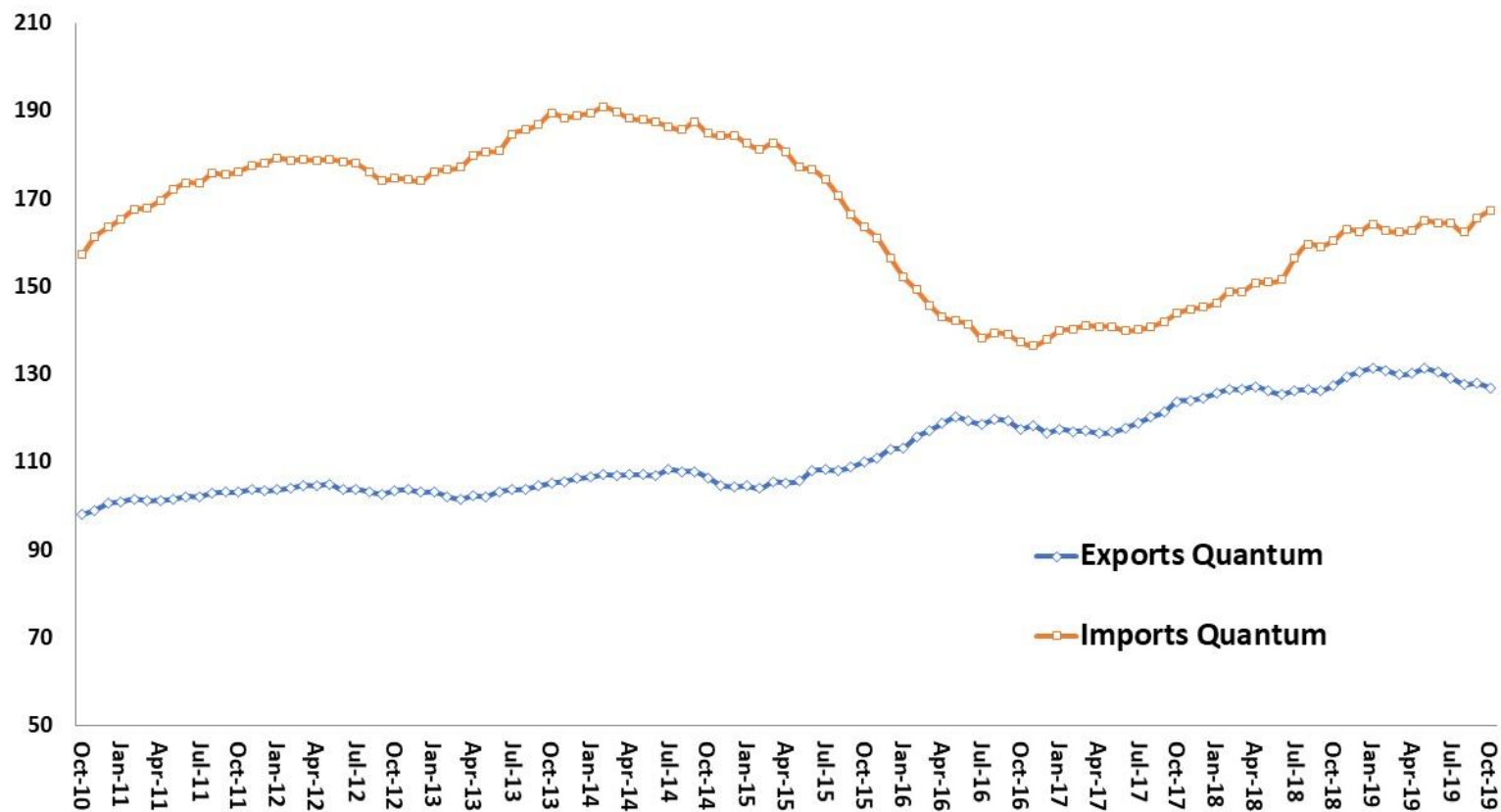
Terms of Trade = (average price Exports / average price Imports)

Real Effective Exchange Rate (IPCA), Exports Average Price and Exports Profitability Index
12-month Moving Average (2006=100)



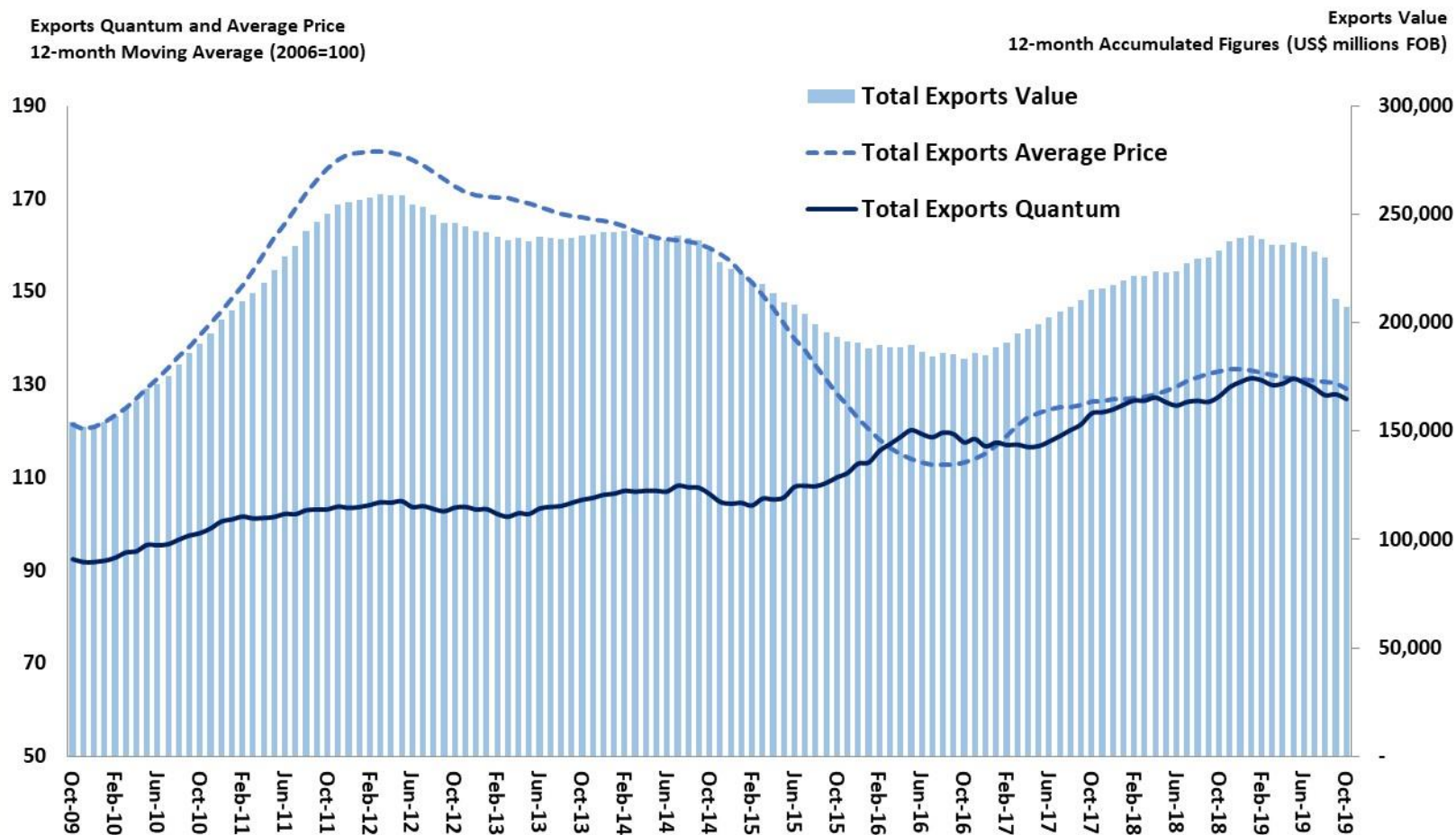
Sources: Central Bank of Brazil and FUNCEX.

Exports and Imports Quantum
12-month Moving Average (2006=100)



Source: FUNCEX.

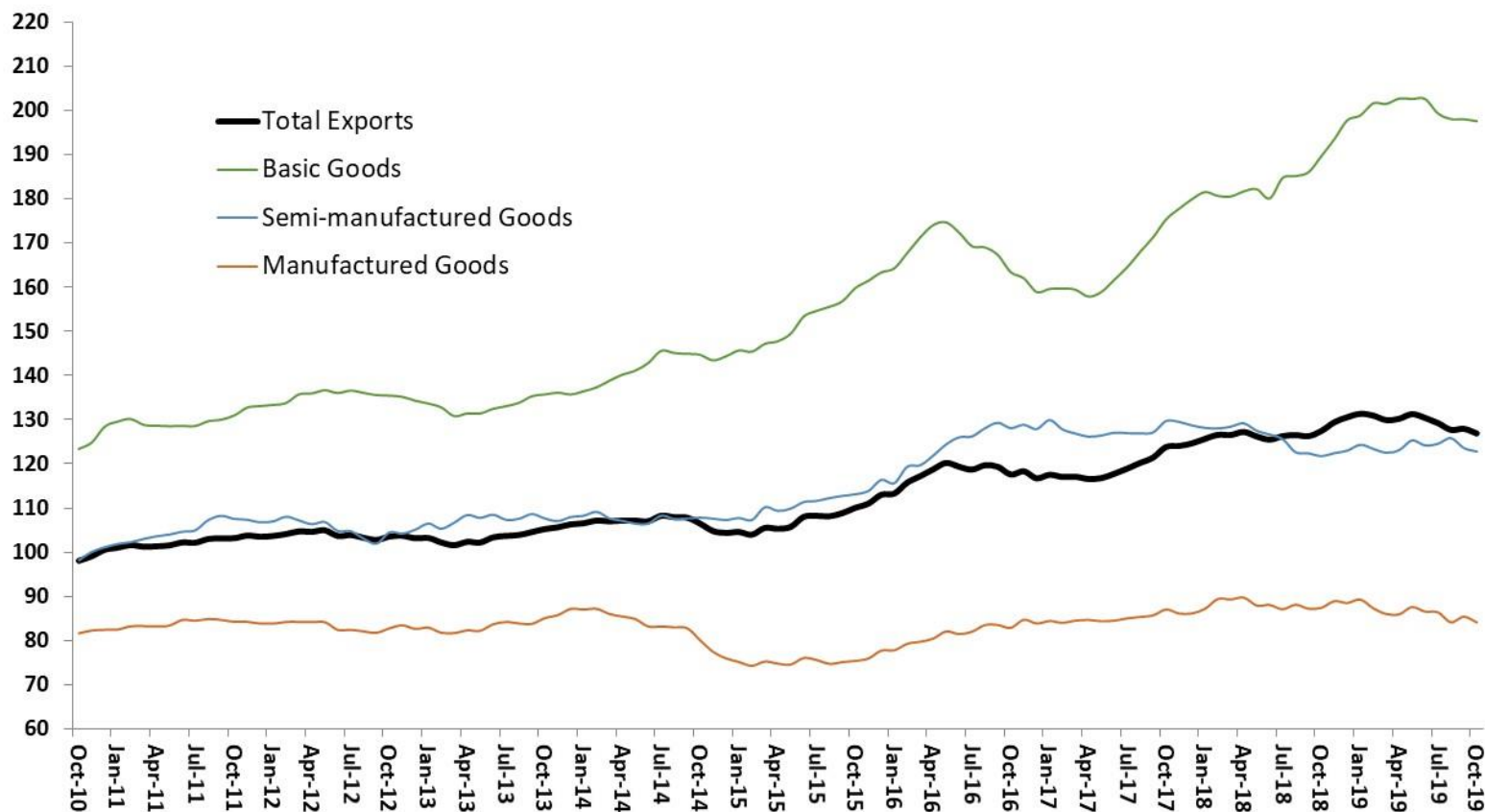
Total Exports: value, quantum and price



Sources: SECEX and FUNCEX.

Quantum of Total Exports by Class of Products

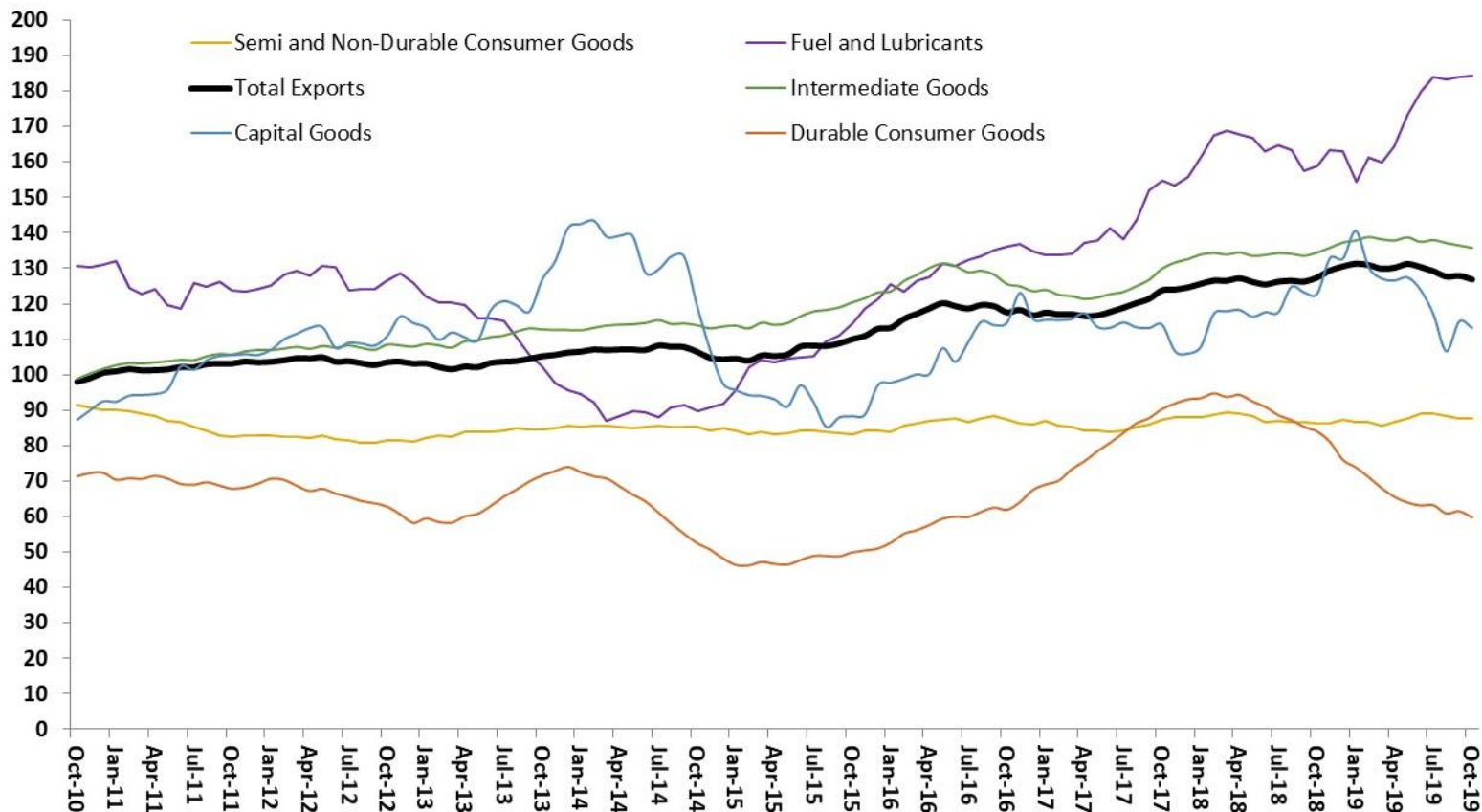
Exports Quantum by Class of Products
12-months Moving Average (2006=100)



Source: FUNCEX.

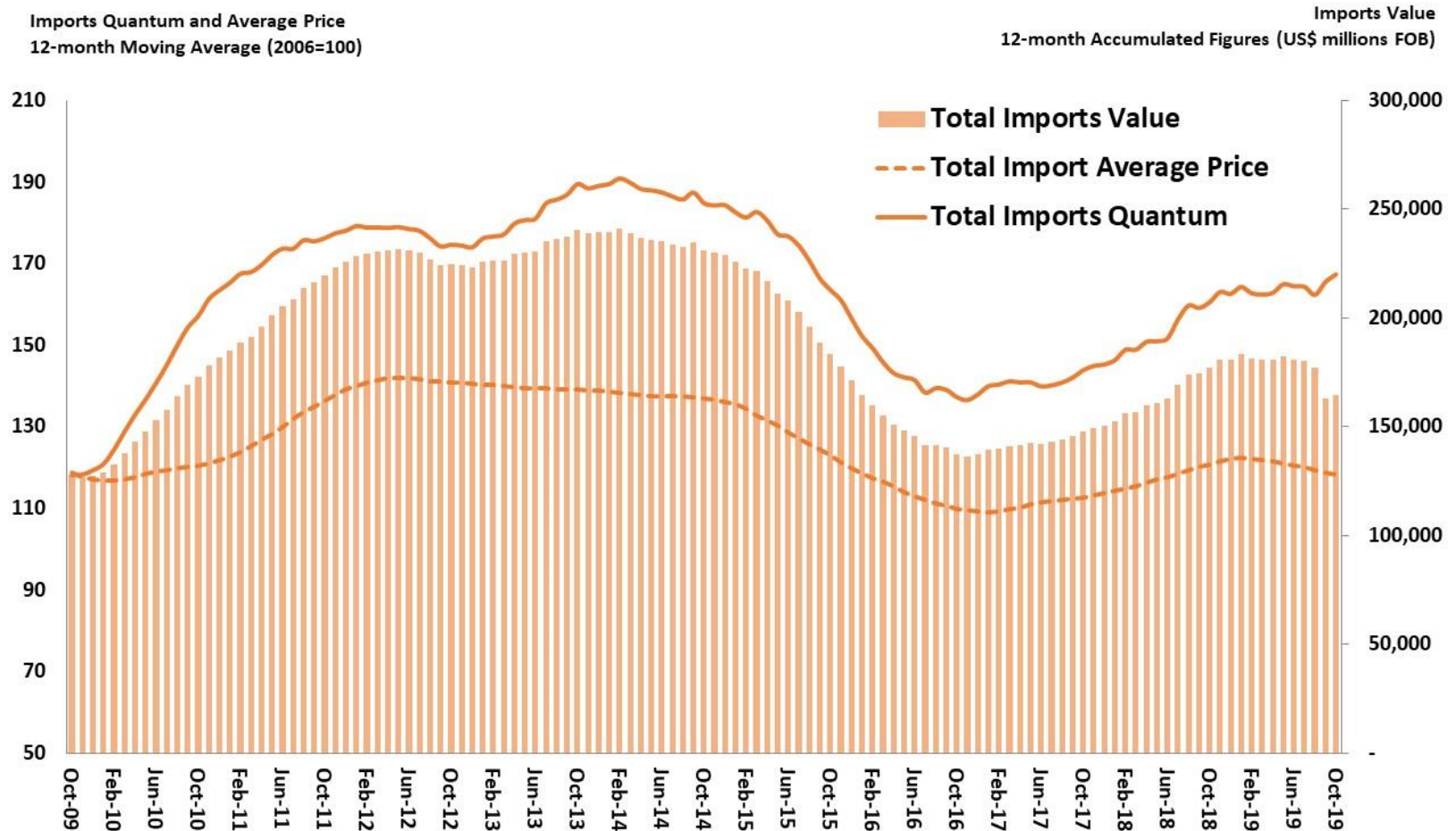
Quantum of Total Exports by Economic Categories

Exports Quantum by Economic Categories
12-month Moving Average (2006=100)



Source: FUNCEX.

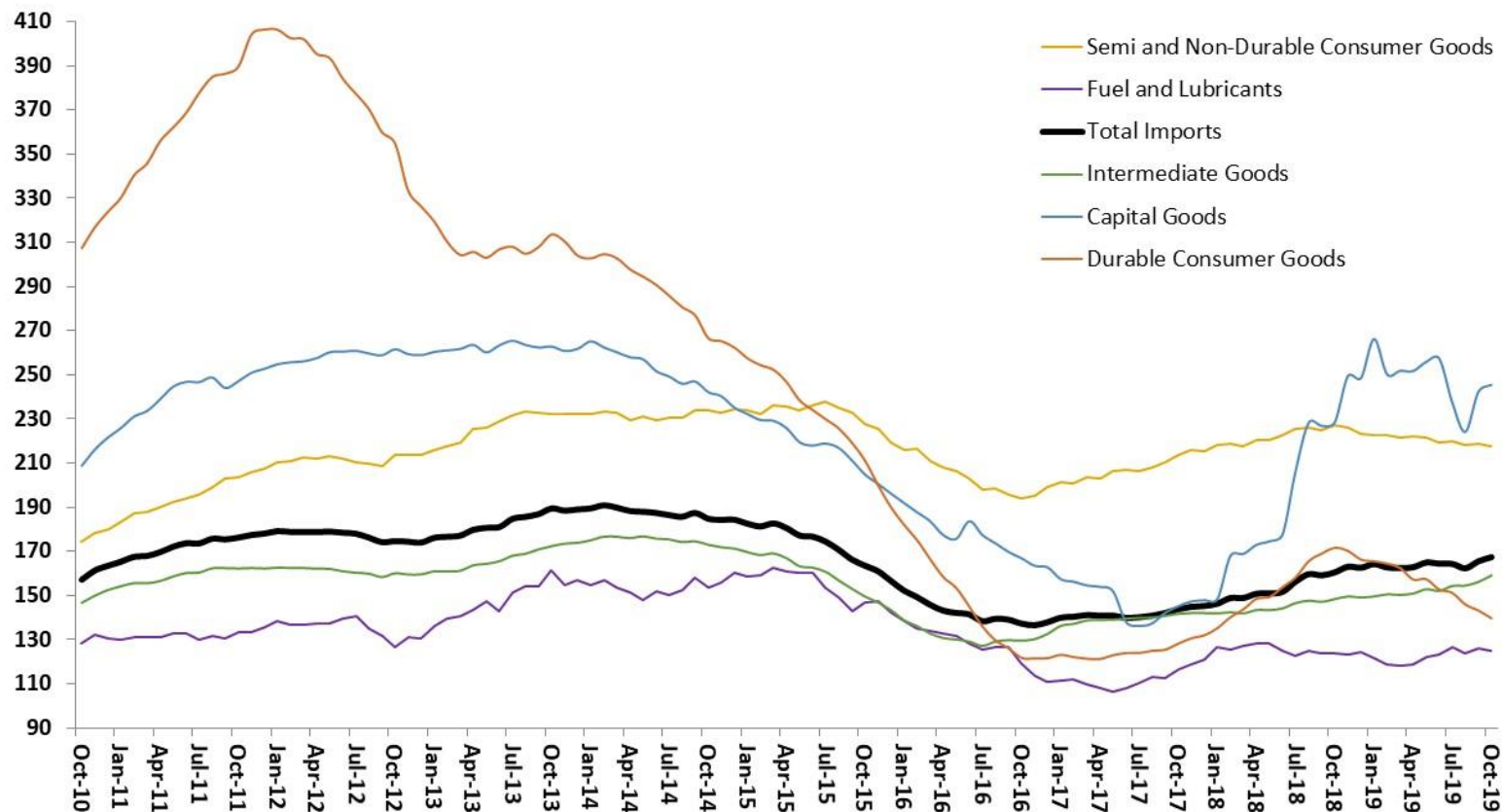
Total Imports: value, quantum and price



Sources: SECEX and FUNCEX.

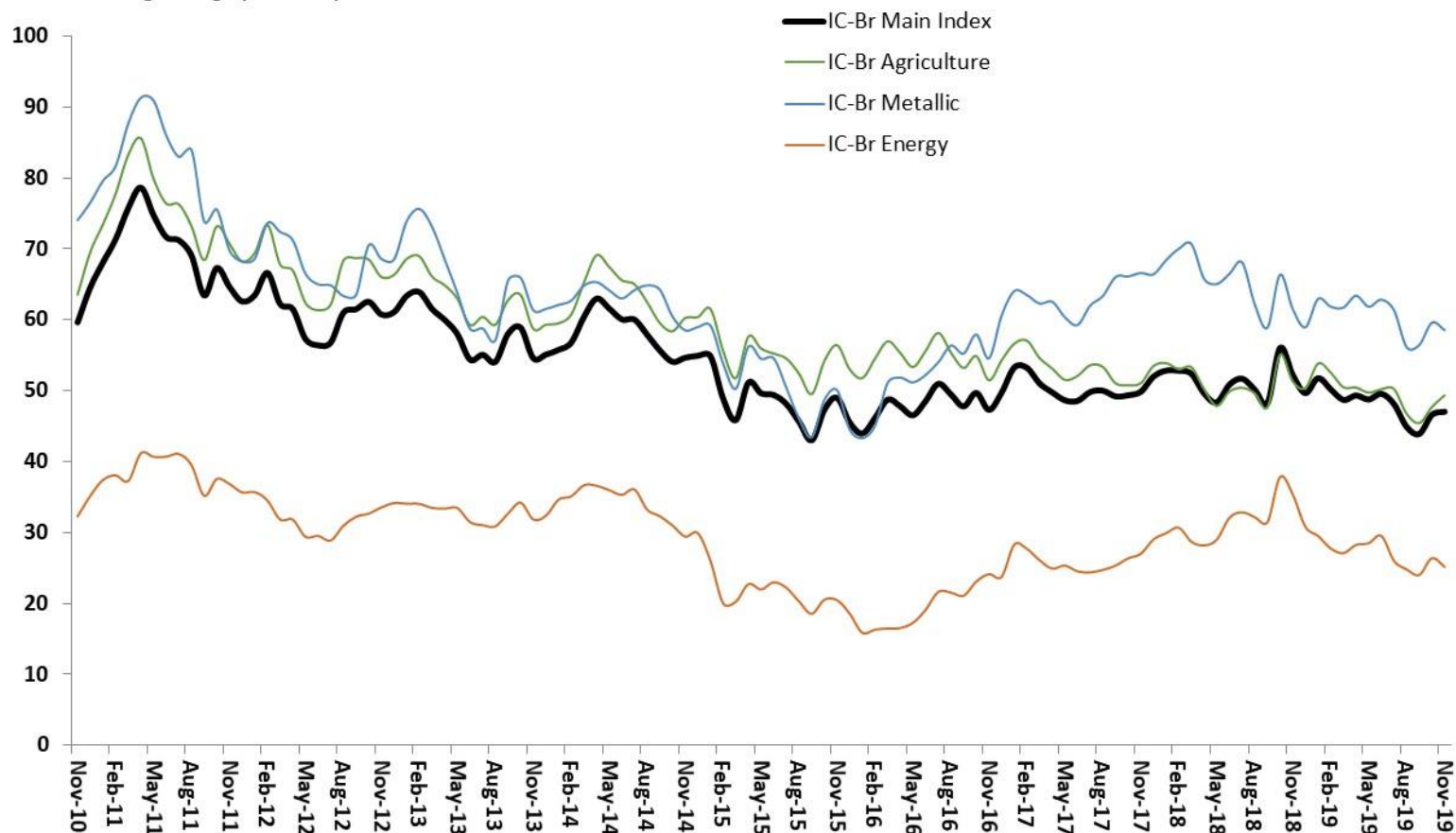
Quantum of Total Imports and by Economic Categories

Imports Quantum by Economic Categories
12-month Moving Average (2006=100)



Source: FUNCEX.

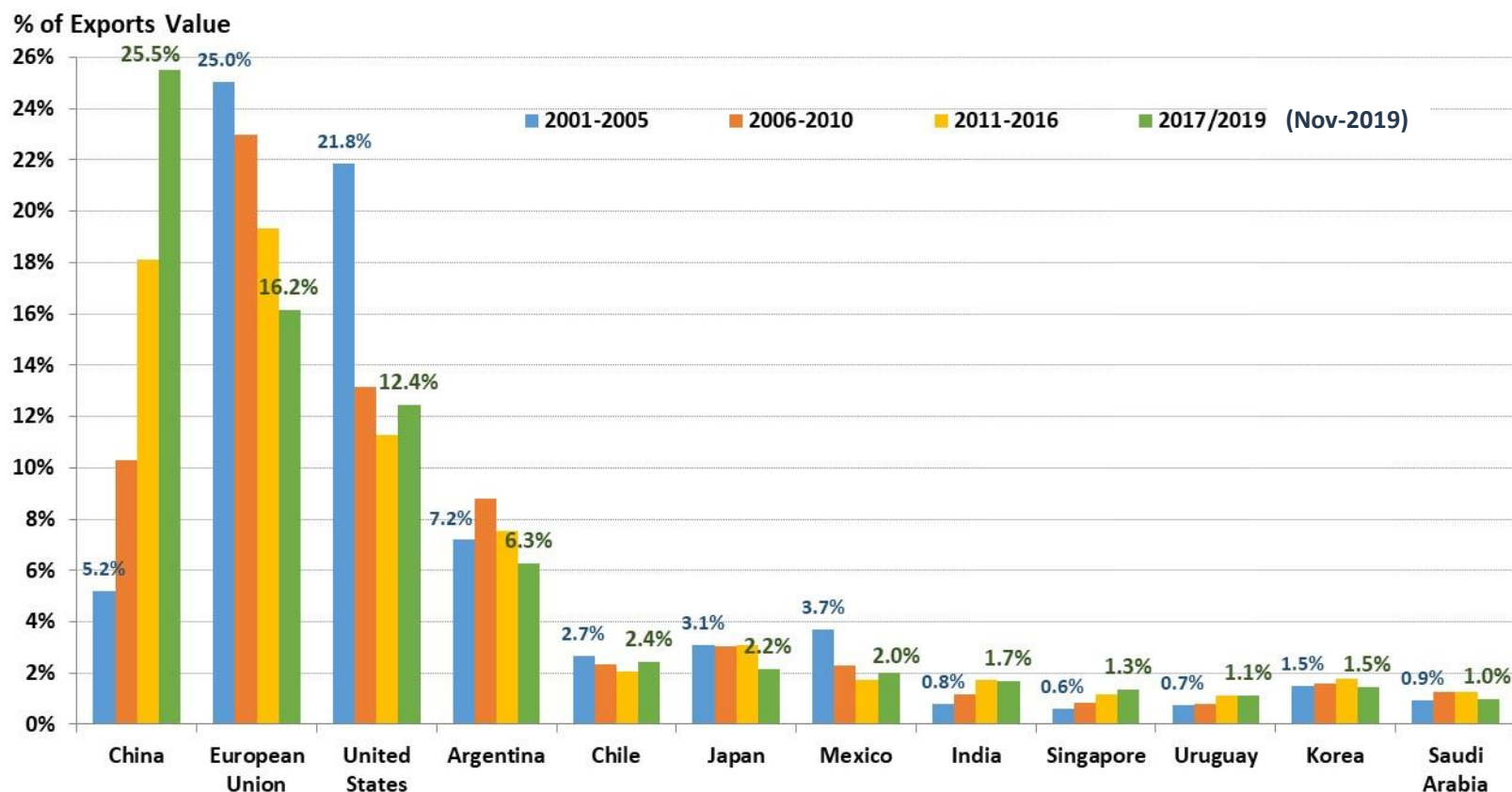
Brazilian Commodity Index (IC-Br)
12-month Moving Average (2006=100)



Source: Central Bank of Brazil.

Brazilian Exports Evolution by Country of Destination

FOREIGN TRADE



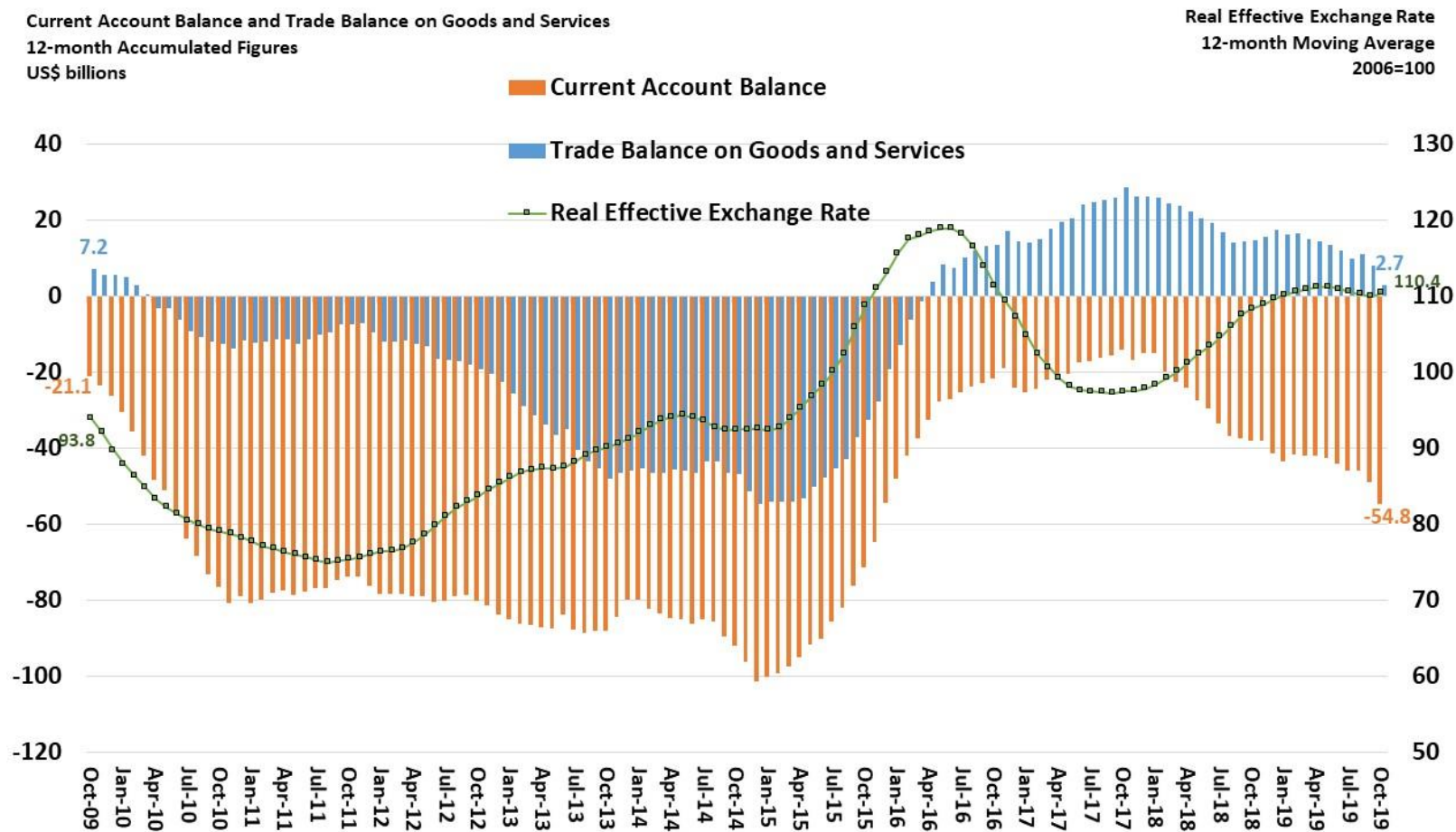
Source: SECEX.

External Sector

										BCB/Focus: 11/29/19		
Balance of Payments (BCB)	October-19											
In US\$ millions	2017	2018	Oct/19 accum. in 12-months	chg.% 2018 / 2017	chg.% Oct/19 accum. 12-m / 2018	chg.% Sep/19 - Sep/18	chg.% Oct/19 - Oct/18	chg.% - Jan- Sep/19 - Jan-Sep/18	chg.% - Jan- Oct/19 - Jan-Oct/18	2019	2020	2021
Balance of Payments	13,476	6,413	4,754	-52.4%	-25.9%	-31.5%	132.1%	-52.4%	-25.9%			
Current Account Balance (CAB)	-24,009	-7,235	-14,511	-69.9%	100.6%	-65.6%	-60.6%	-69.9%	100.6%	-37.0	-40.0	-43.5
<i>CAB as % of GDP</i>	-1.3%	-0.4%	-0.8%	1.0 pp	-0.4 pp	-0.4 pp	-0.4 pp	0.0 pp	0.0 pp			
Balance on Goods	45,037	64,028	53,588	42.2%	-16.3%	10.2%	33.1%	42.2%	-16.3%	37.9	32.6	26.7
Exports	184,453	217,243	239,034	17.8%	10.0%	25.3%	11.1%	17.8%	10.0%	232.1	246.5	260.7
Imports	139,416	153,215	185,447	9.9%	21.0%	29.0%	3.1%	9.9%	21.0%	194.2	213.9	234.0
Balance on Services	-30,447	-33,850	-33,952	11.2%	0.3%	-13.2%	-10.9%	11.2%	0.3%			
Primary Income	-41,544	-40,045	-36,668	-3.6%	-8.4%	-25.4%	7.1%	-3.6%	-8.4%			
Secondary Income	2,944	2,632	2,522	-10.60%	-4.2%	113.3%	-75.3%	-10.6%	-4.2%			
Capital Account	274	379	440	38.6%	15.9%	1555.6%	301.7%	38.6%	15.9%			
Financial Account	-10,260	-443	-9,318	-95.7%	2003.8%	-99.4%	-40.8%	-95.7%	2003.8%			
Direct Investments	-58,684	-50,905	-74,253	-13.3%	45.9%	89.2%	-545.6%	-13.3%	45.9%			
Foreign Direct Investments (FDI)	73,378	70,258	88,314	-4.3%	25.7%	116.6%	191.8%	-4.3%	25.7%	75.0	80.0	81.8
Portfolio Investments	18,993	14,042	11,707	-26.1%	-16.6%	72.4%	111.4%	-26.1%	-100.0%			
Stock Market	-7,503	-2,482	2,904	-66.9%	-217.0%	-877.0%	-159.8%	-66.9%	-217.0%			
Bonds	30,726	9,713	4,083	-68.4%	-58.0%	62.7%	-25.8%	-68.4%	-58.0%			
Others Investments and Capital Flows	29,432	36,421	53,229	23.7%	46.2%	-12209.3%	-75.2%	23.7%	46.2%			
International Reserves - liquidity concept	365,016	373,972	374,715	2.5%	0.2%	-0.4%	0.2%					
Gross External Debt (BCB)	October-19											
In US\$ millions	2017	2018	Oct-19	2017 % of total	Oct/aa % of total	chg. pp	2017 % of GDP	Oct/19 % of GDP	chg. pp			
Total External Debt	667,103	665,777	678,988	100.0%	100.0%	-	32.5%	37.2%	4.7 pp			
Gross External Debt	317,305	320,612	326,842	47.6%	48.1%	0.6 pp	15.5%	17.9%	2.4 pp			
Public Sector	75,791	75,119	80,314	23.9%	24.6%	0.7 pp	3.7%	4.4%	0.7 pp			
Private Sector and Public Financial Sector	241,514	245,493	246,528	76.1%	75.4%	-0.7 pp	11.8%	13.5%	1.7 pp			
Short Term	51,287	66,844	73,386	16.2%	22.5%	6.3 pp	2.5%	4.0%	1.5 pp			
Medium and Long Term	266,018	253,768	253,456	83.8%	77.5%	-6.3 pp	13.0%	13.9%	0.9 pp			
Intercompany Loans	227,841	238,605	242,966	34.2%	35.8%	1.6 pp	11.1%	13.3%	2.2 pp			
Domestic Bonds with Foreign Investors	121,956	106,560	109,180	18.3%	16.1%	-2.2 pp	5.9%	6.0%	0.0 pp			

Brazil: Real Exchange Rate and External Sector Adjustment

EXTERNAL SECTOR

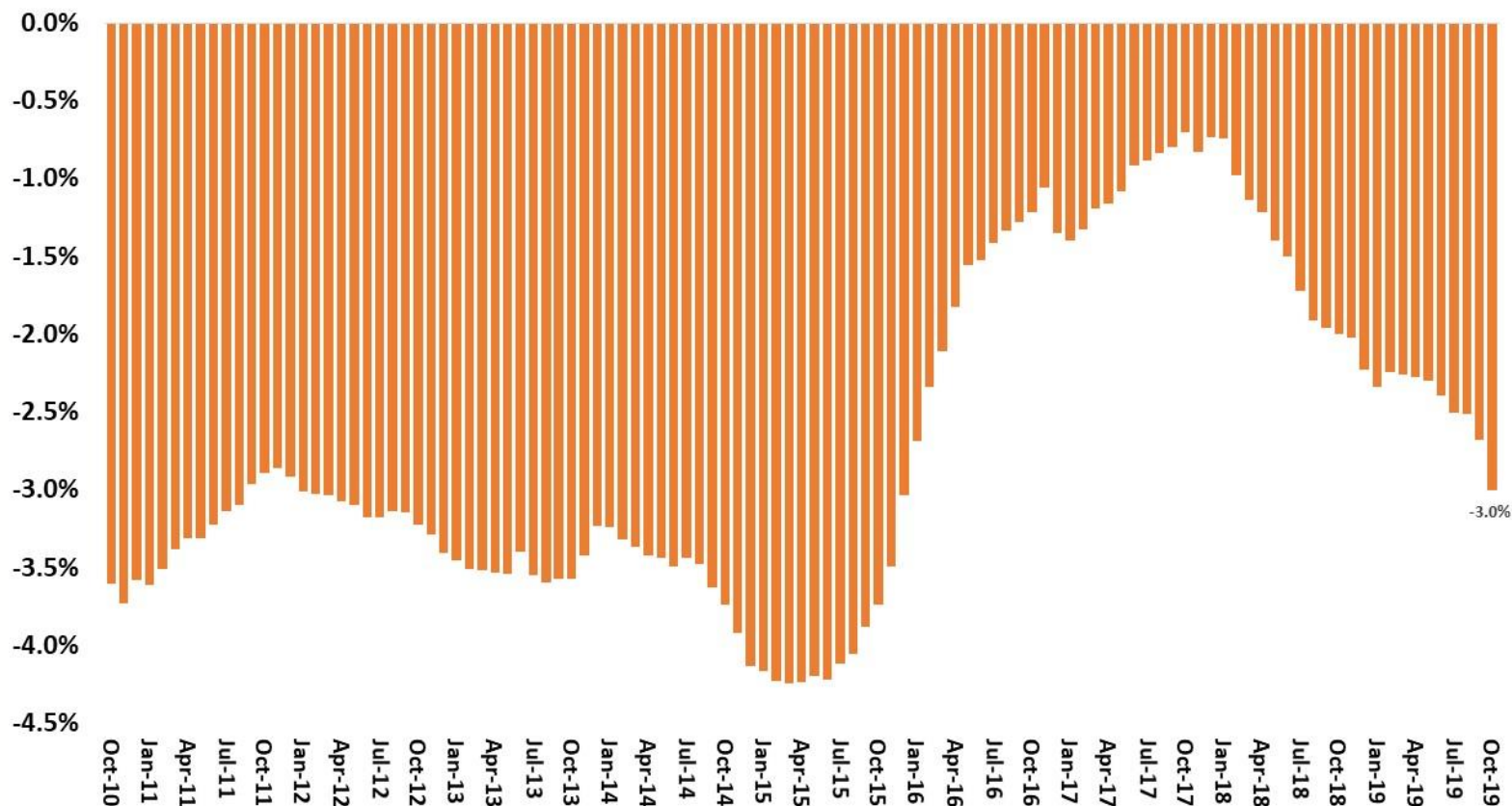


Source: Central Bank of Brazil.

Current Account Deficit as % of GDP

EXTERNAL SECTOR

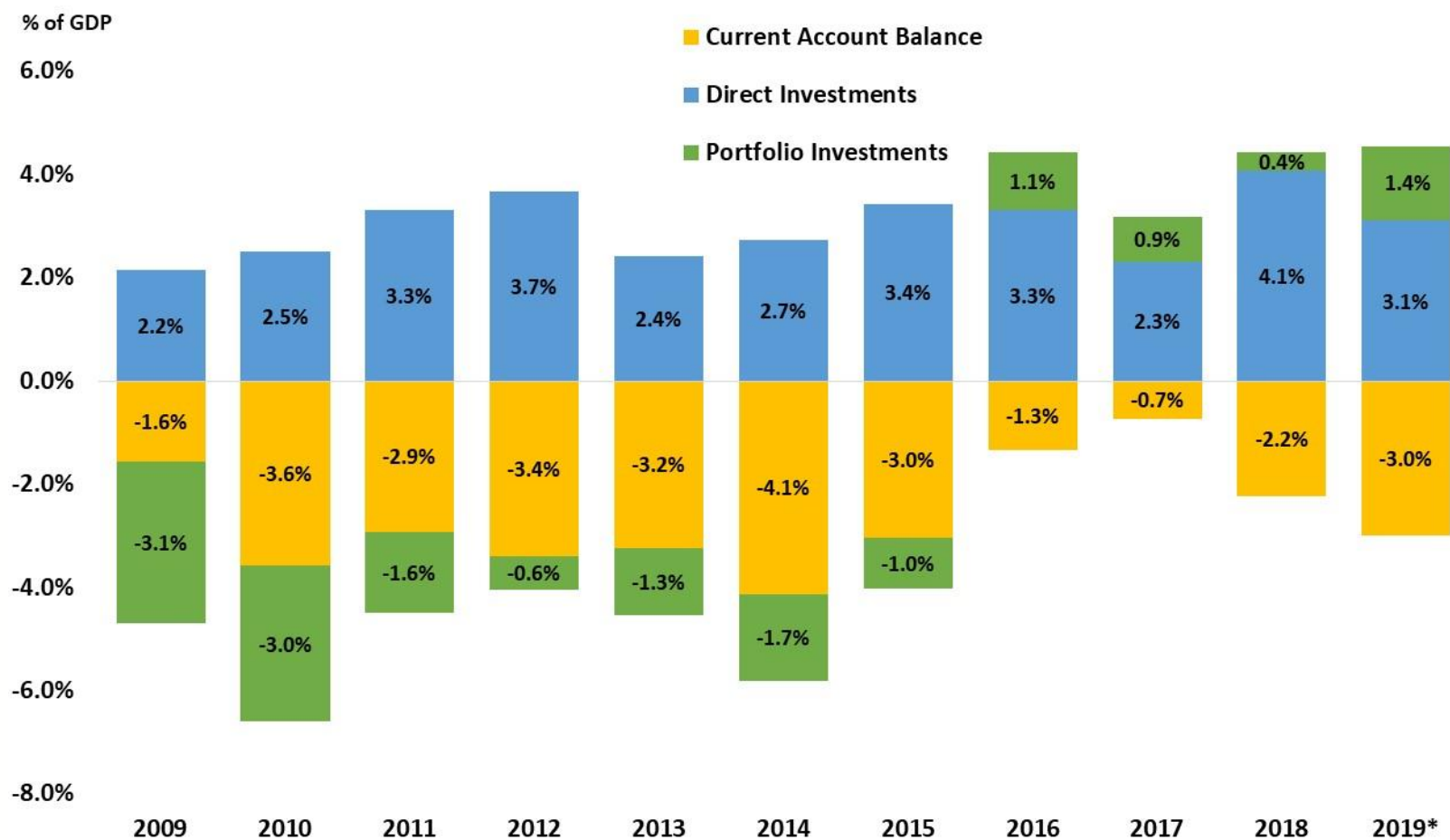
Current Account as % of GDP
12-month Figures



Source: Central Bank of Brazil.

Current Account Deficit Financing

EXTERNAL SECTOR

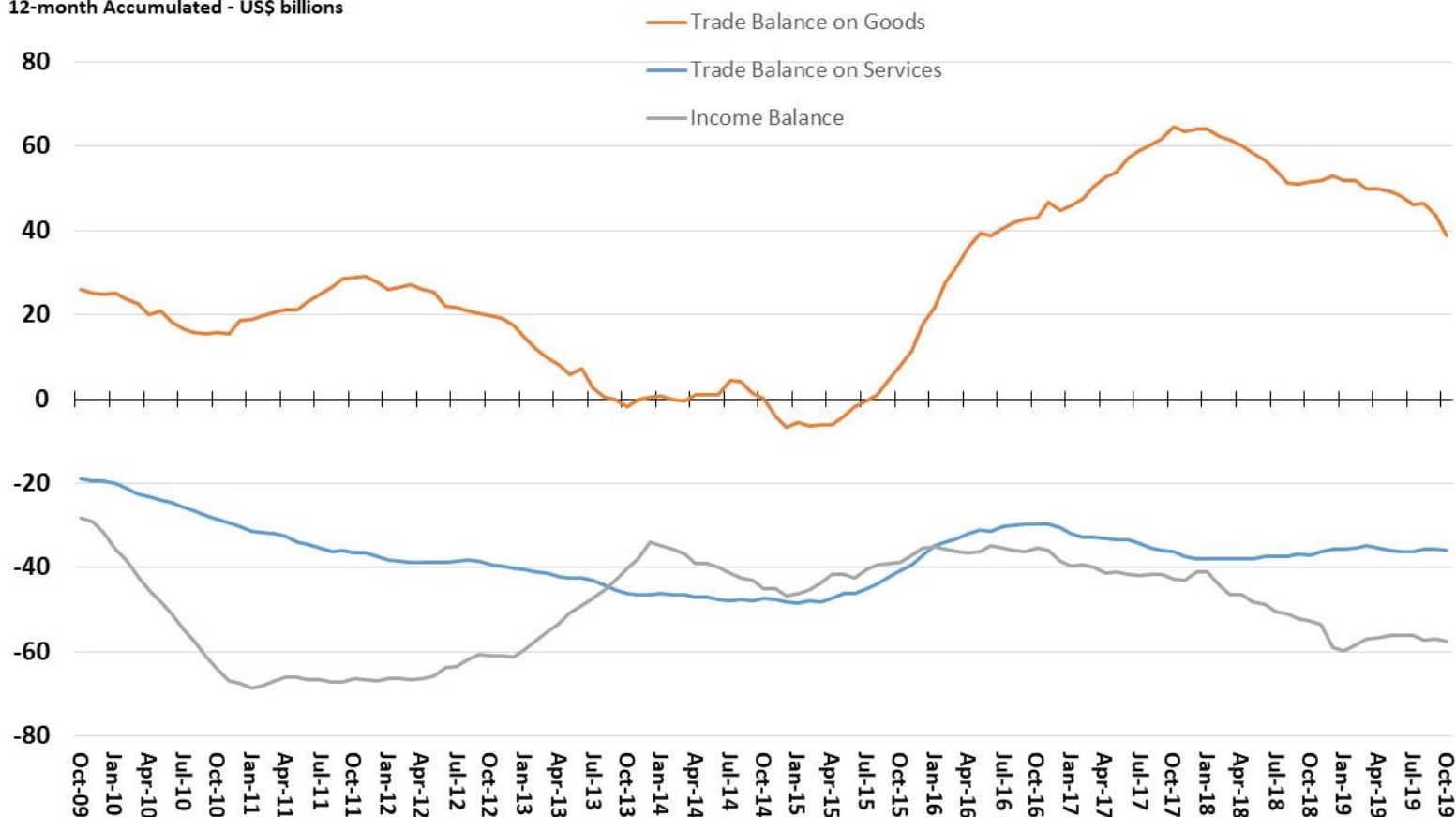


Source: Central Bank of Brazil.

Current Account Balance Components

EXTERNAL SECTOR

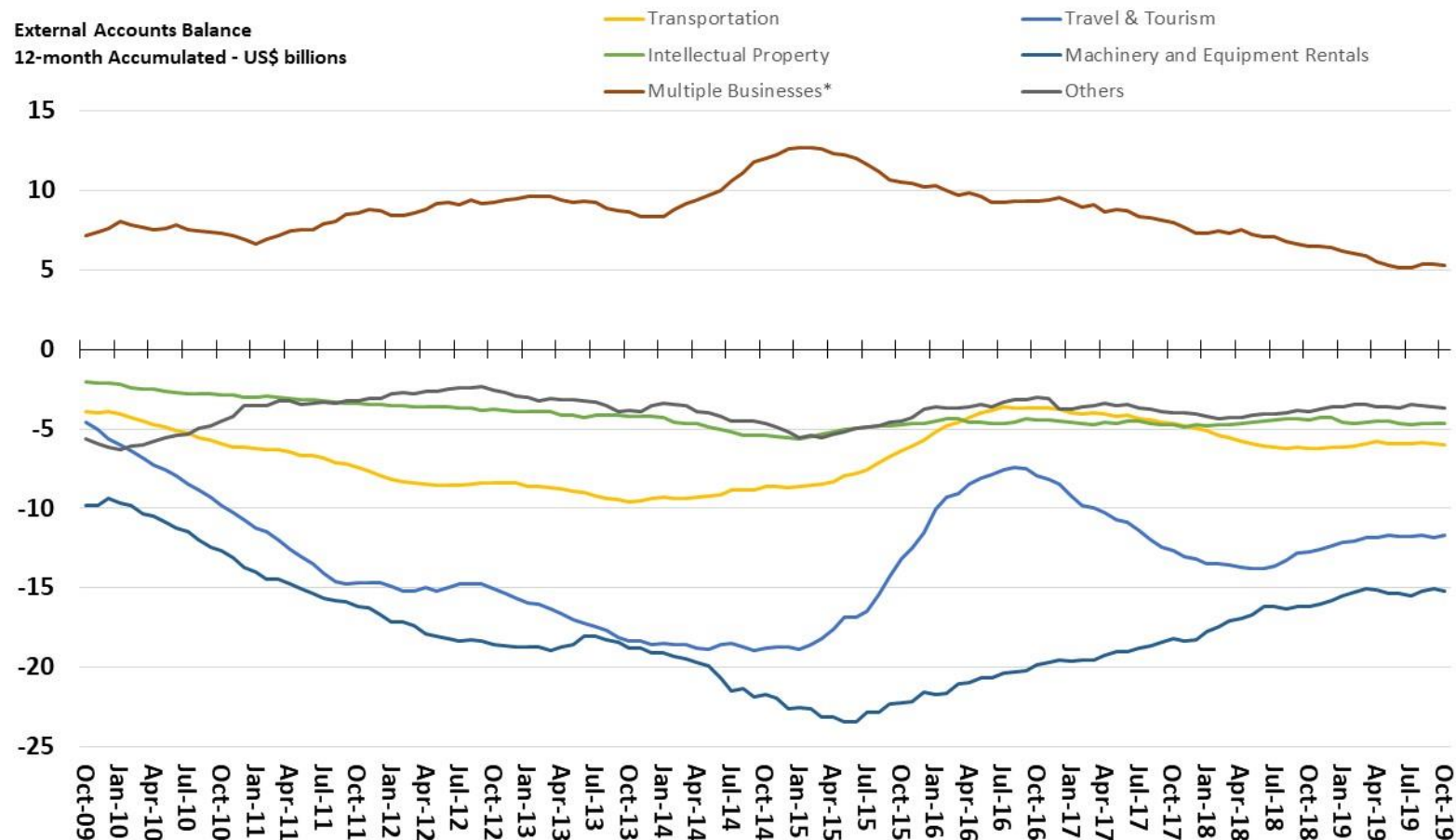
External Accounts Balance
12-month Accumulated - US\$ billions



Source: Central Bank of Brazil.

Service Account Balance and Components

EXTERNAL SECTOR

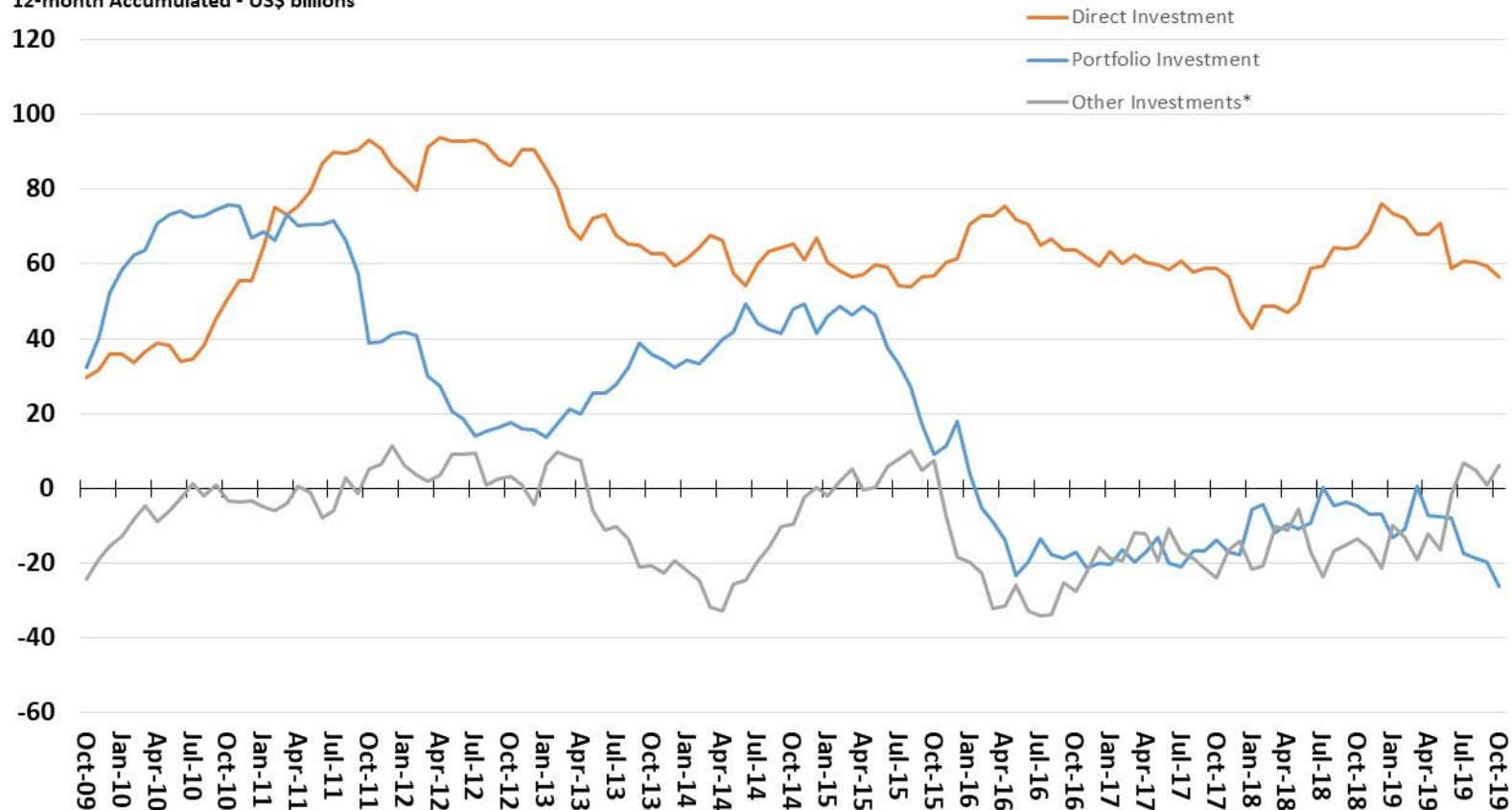


Source: Central Bank of Brazil. *Includes services of P&D, legal services, marketing, architecture & engineering, environmental services, among others.

Financial Account Balance and Components

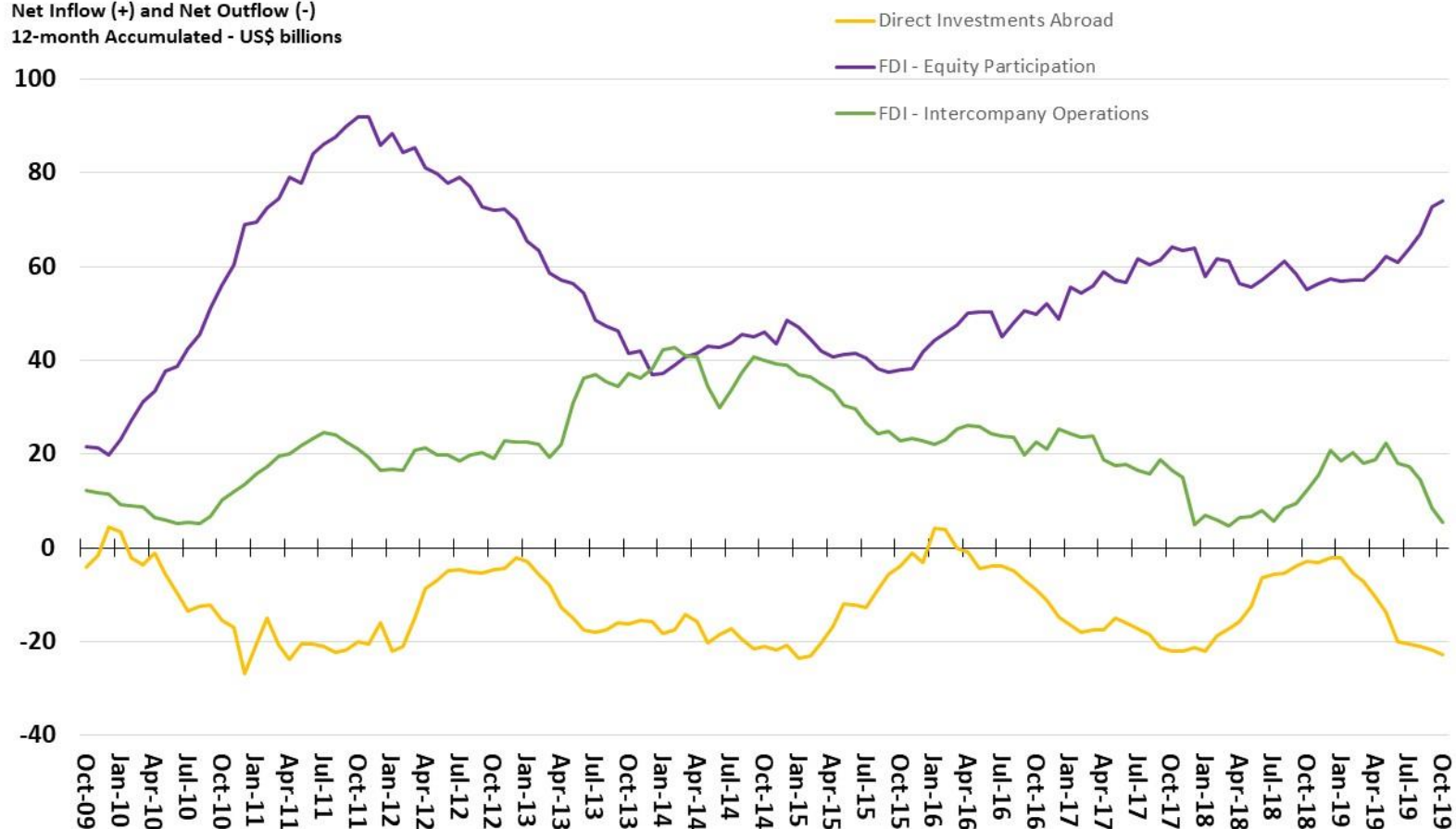
EXTERNAL SECTOR

External Financial Flows
Net Inflow (+) and Net Outflow (-)
12-month Accumulated - US\$ billions



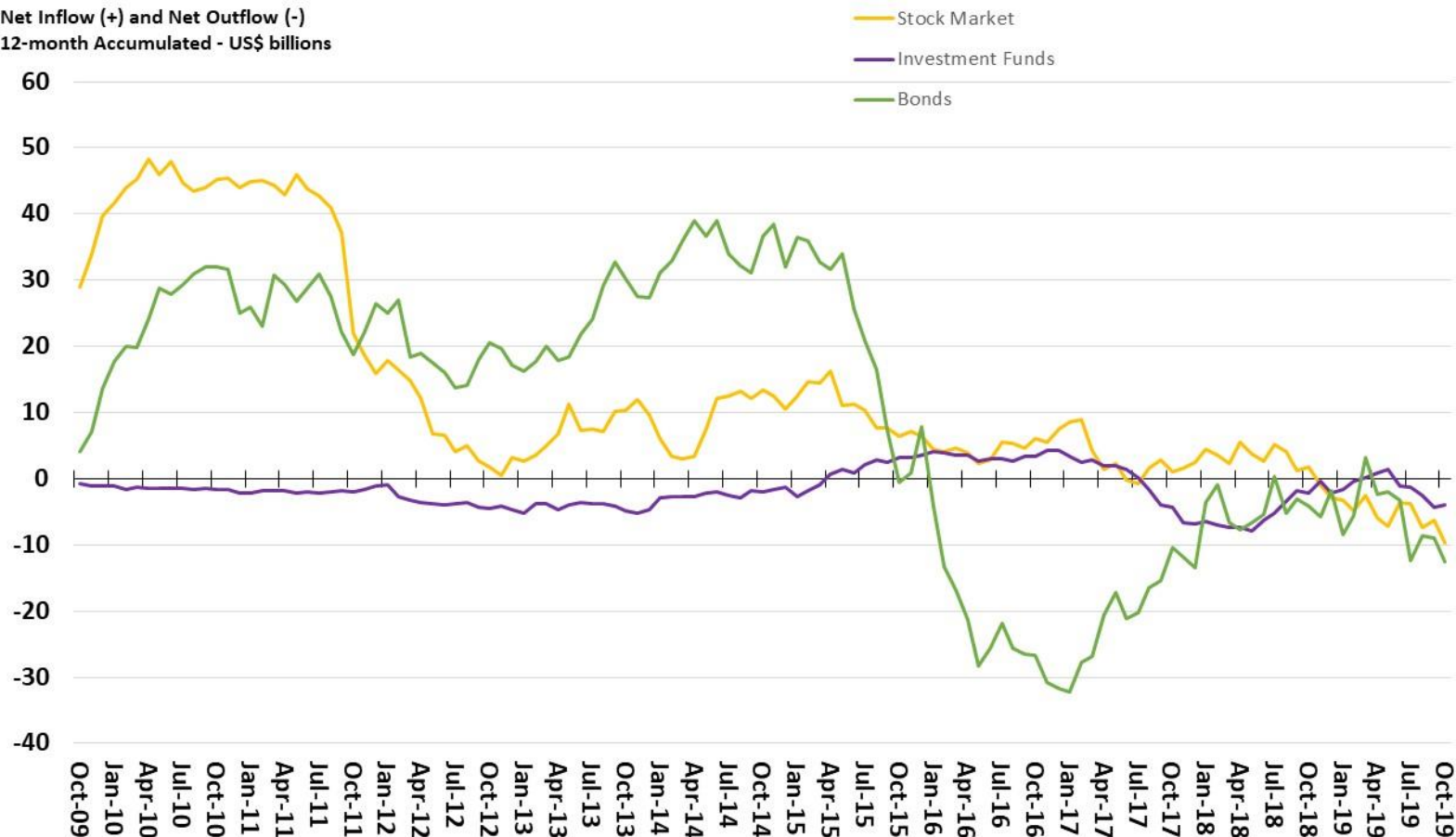
Source: Central Bank of Brazil. *Commercial Credit and Loans.

Direct Investment Flows
Net Inflow (+) and Net Outflow (-)
12-month Accumulated - US\$ billions

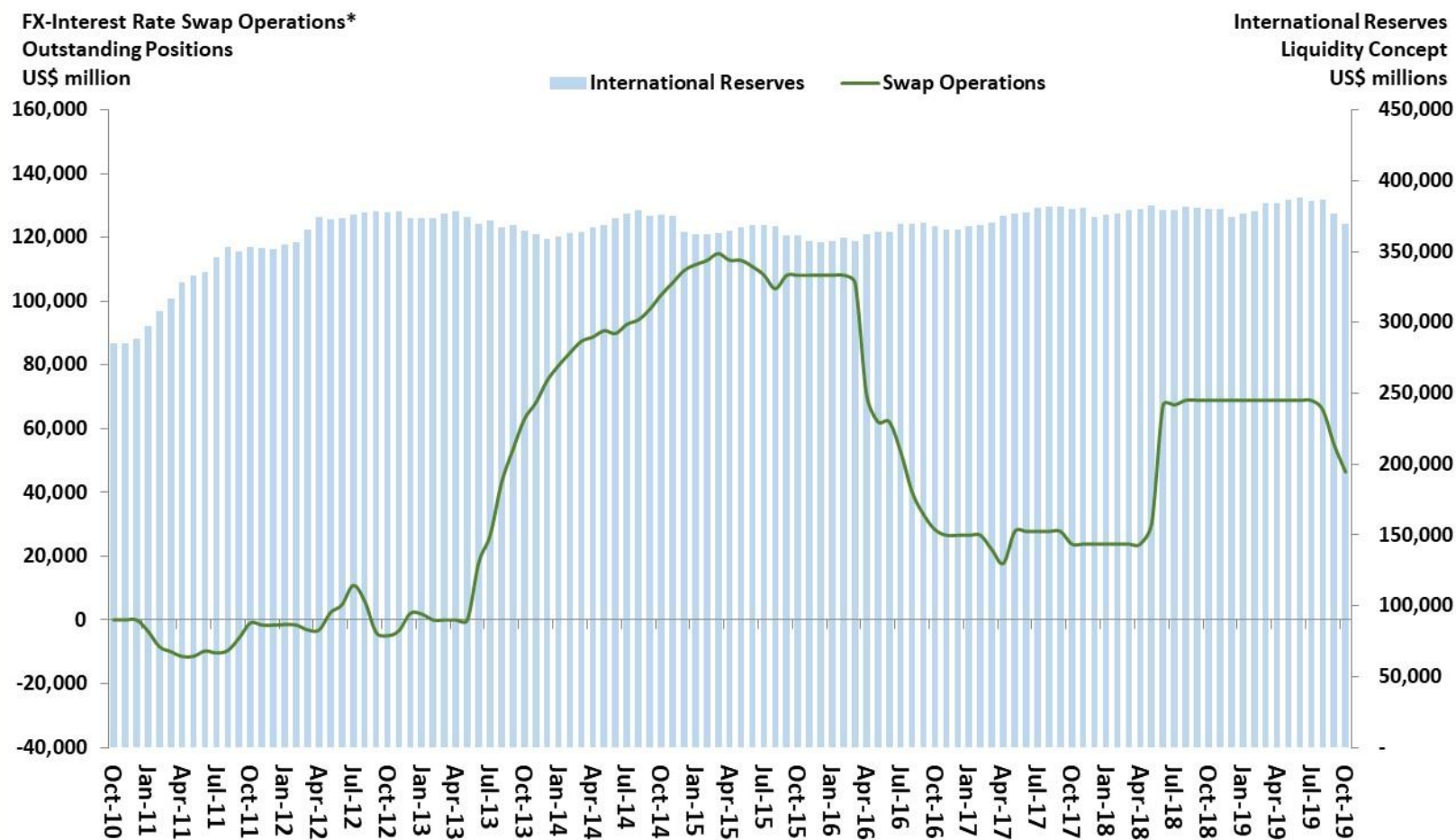


Source: Central Bank of Brazil.

Portfolio Investment Flows
Net Inflow (+) and Net Outflow (-)
12-month Accumulated - US\$ billions



Source: Central Bank of Brazil.



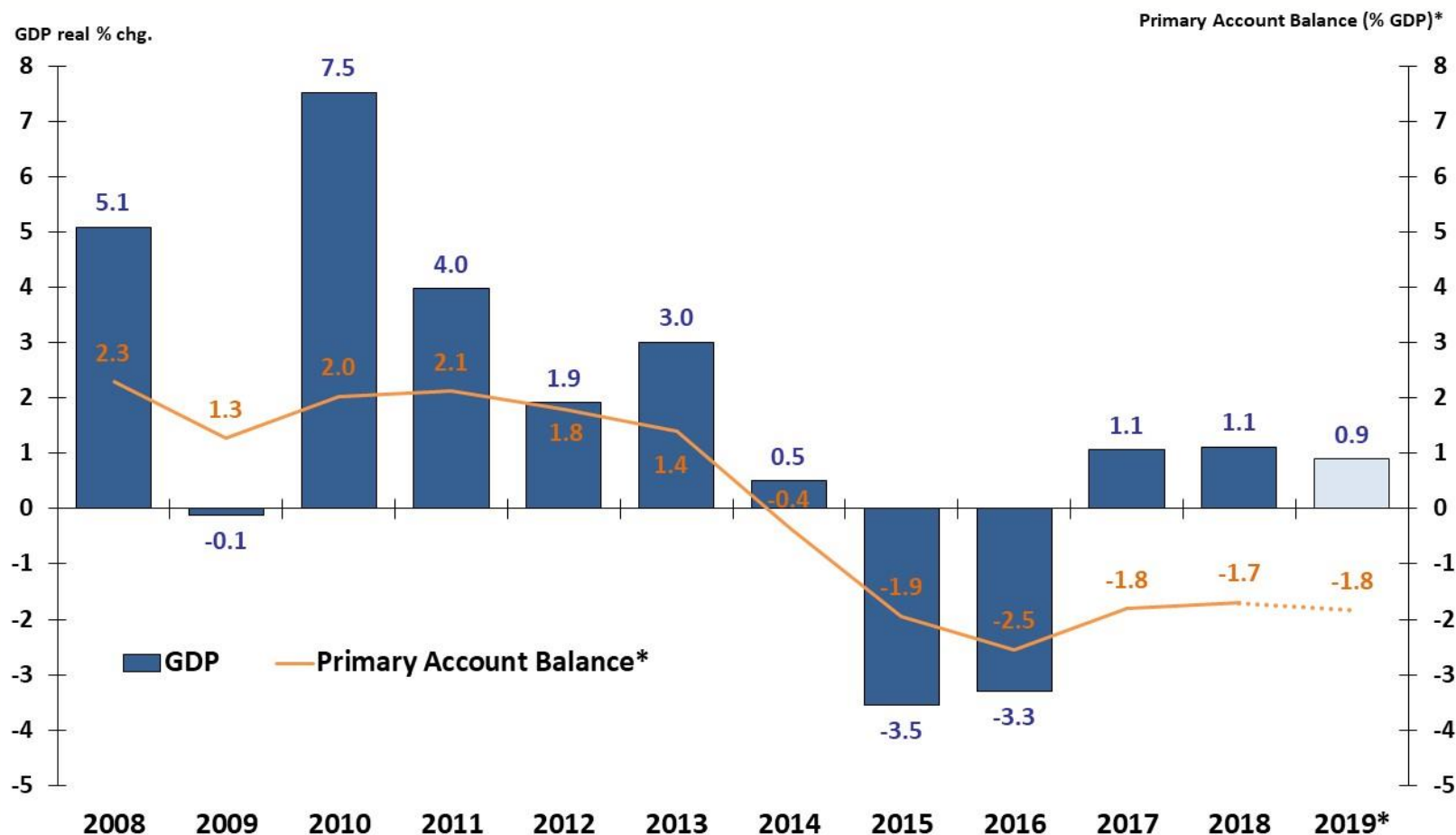
Source: Central Bank of Brazil. *Positive values represent net sell position on fx and negative values net buy position on fx.

Public Sector Accounts

Public Sector Accounts

PUBLIC SECTOR ACCOUNTS

										BCB/Focus: 11/29/19			
Federal Government Accounts	October-19	12-month Accumulated Figures (in R\$ millions)					chg. %						
		2014	2015	2016	2017	2018	Oct/19 accum. in 12- months	2018 / 2017	Dec/17 accum. 12- m / 2016				YTD 2018 / YTD 2017
Federal Budget (National Treasury/Ministry of Finance)													
Total Primary Revenue (a)		1,221,474	1,247,789	1,314,953	1,383,082	1,484,238	1,543,233	7.3%	4.0%	3.8%			
National Treasury		883,971	897,517	956,816	1,008,297	1,093,056	948,048	8.4%	-13.3%	2.7%			
Social Security General System		337,503	350,272	358,137	374,785	391,182	326,377	4.4%	-16.6%	7.0%			
States and Municipalities Mandatory Transfers (b)		198,462	204,684	226,835	228,335	256,724	221,798	12.4%	-13.6%	9.1%			
Net Primary Revenue (a-b)		1,023,013	1,043,105	1,088,118	1,154,746	1,227,514	1,052,626	6.3%	-14.2%	2.7%			
Total Primary Expenditure		1,046,495	1,164,462	1,249,393	1,279,008	1,351,757	1,116,475	5.7%	-17.4%	2.4%			
National Treasury		652,294	728,372	741,522	721,773	765,378	610,210	6.0%	-20.3%	-0.9%			
Social Security General System		394,201	436,090	507,871	557,235	586,379	506,264	5.2%	-13.7%	6.7%			
Federal Government Accounts	October-19	12-month Accumulated Figures (in R\$ millions)					% of GDP						
		2014	2015	2016	2017	2018	Oct/19 accum. in 12- months	2017	2018				Oct/19 accum. in 12- months
Federal Budget (National Treasury/Ministry of Finance)													
Primary Account Balance of Federal Government (STN/MF)		-23,482	-121,357	-161,276	-124,261	-124,242	-63,848	-1.9%	-1.8%	-0.9%			
National Treasury		33,216	-35,539	-11,542	58,189	70,955	116,039	0.9%	1.0%	1.6%			
Social Security General System		-56,698	-85,818	-149,734	-182,450	-195,197	-179,888	-2.8%	-2.9%	-2.5%			
Consolidate Public Sector Accounts	October-19	12-month Accumulated Figures (in R\$ millions)					% of GDP			2018	2019	2020	
		2014	2015	2016	2017	2018	Oct/19 accum. in 12- months	2017	2018				Oct/19 accum. in 12- months
Public Sector Financial Need (Central Bank of Brazil - BCB)													
Primary Account Balance Target (% GDP)											1.12%	0.90%	2.32%
Primary Account Balance		32,536	111,249	155,791	110,583	108,258	33,047	1.7%	1.6%	0.5%	-1.2%	-1.1%	-0.6%
Federal Government		20,472	116,656	159,473	118,442	-7,561	54,621	1.8%	1.7%	0.8%			
States and Municipalities		7,790	-9,684	-4,666	-7,498	-3,492	-19,429	-0.1%	-0.1%	-0.3%			
State Owned Companies (except Petrobrás and Eletrobrás)		4,274	4,278	983	-362	-4,417	-2,146	0.0%	-0.1%	0.0%			
Net Financial Public Expenditure (Debt Interest Payments)		311,380	501,786	407,024	400,826	379,184	304,517	6.1%	5.6%	4.3%			
Nominal Account Balance		343,916	613,035	562,815	511,408	487,442	337,564	7.8%	7.2%	4.8%	-6.1%	-5.9%	-5.5%
General Public Sector Debt (BCB)	October-19	Debt Outstanding (in R\$ millions)					chg. %			2018	2019	2020	
		Dec-14	Dec-15	Dec-16	Dec-17	Dec-18	Oct-19	Dec/17 - Dec/16	Dec/18 - Dec/17				Oct/19 - Dec/18
End of Period Debt Outstanding (in R\$ millions)													
Consolidated Public Sector		1,883,147	2,136,888	2,892,913	3,382,942	3,695,837	3,961,847	16.94%	9.25%	7.20%			
Federal Government		1,200,680	1,312,962	2,090,133	2,534,119	2,763,702	3,003,317	21.2%	9.1%	8.7%			
States and Municipalities		643,066	771,635	747,503	789,403	871,134	894,362	5.6%	10.4%	2.7%			
State Owned Companies (except Petrobrás and Eletrobrás)		39,402	52,292	55,278	59,420	61,001	64,168	7.5%	2.7%	5.2%			
Net Domestic Debt		2,277,813	774,233	3,453,814	4,001,077	4,444,587	4,700,013	15.8%	11.1%	5.7%			
Net External Debt		-394,666	-681,872	-560,900	-618,135	-748,749	-738,166	10.2%	21.1%	-1.4%			
General Public Sector Net Debt (% GDP)		32.6%	35.6%	46.2%	51.6%	54.1%	55.9%	5.5 pp	2.5 pp	1.8 pp	56.7%	58.3%	60.5%
General Public Sector Gross Debt (% GDP)		56.3%	65.5%	69.9%	74.1%	77.2%	78.3%	4.2 pp	3.2 pp	1.1 pp			
General Public Sector Gross Debt (in R\$ millions)		3,560,826	4,300,759	4,853,850	5,449,151	5,937,904	6,221,834	12.26%	8.97%	4.78%			

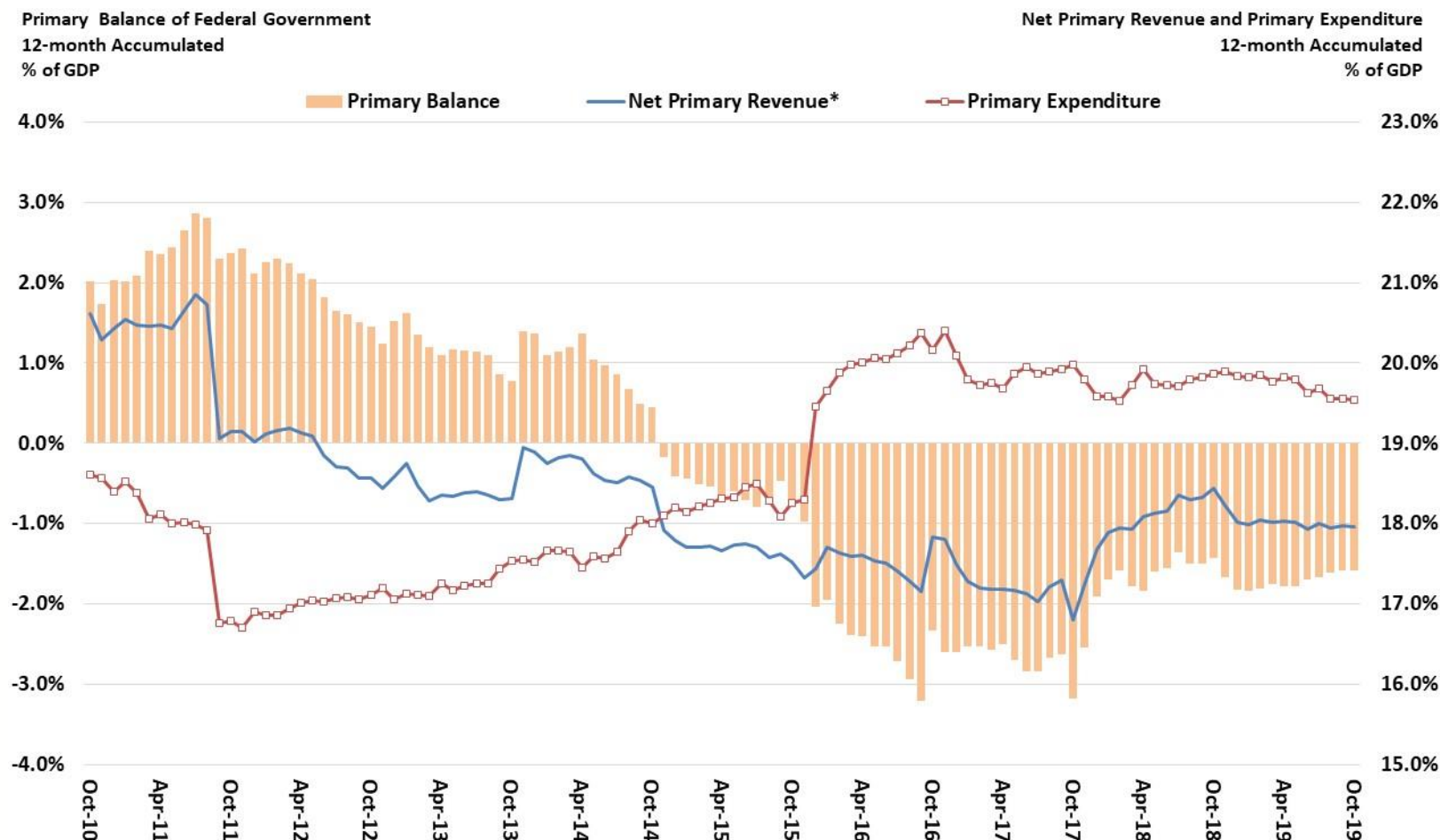


Source: IBGE, STN and Central Bank of Brazil. Primary Account Balance of Federal Government.

* Annex IV-Fiscal Targets of 2019 Budgetary Guidelines Bill of Law 2020 and Macroeconomic Projections from SPE, October-19

Primary Balance of Federal Government (as % GDP)

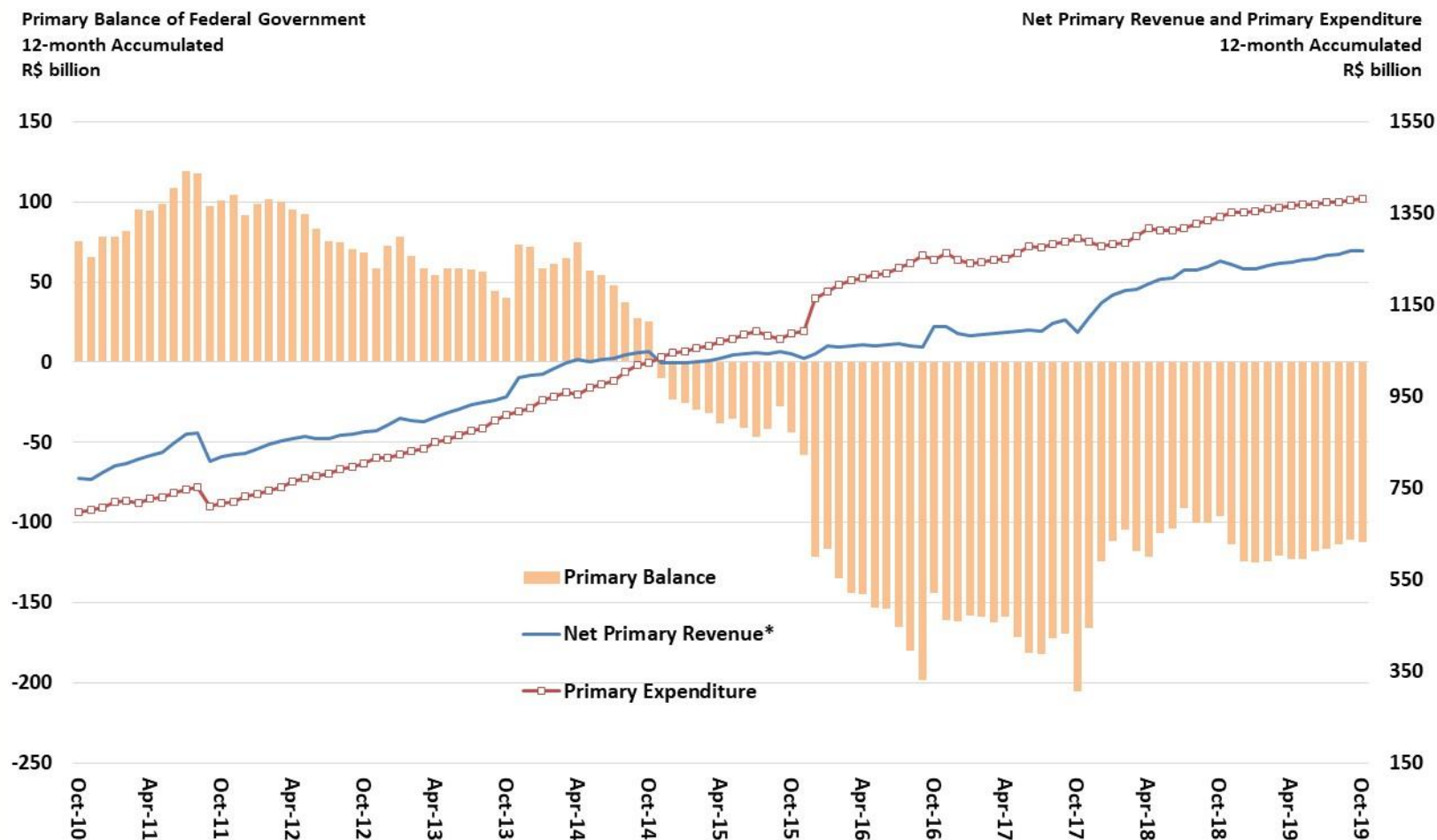
PUBLIC SECTOR ACCOUNTS



Sources: STN/ME. *Excludes compulsory transfers to subnational entities.

Primary Balance of Federal Government (nominal values)

PUBLIC SECTOR ACCOUNTS



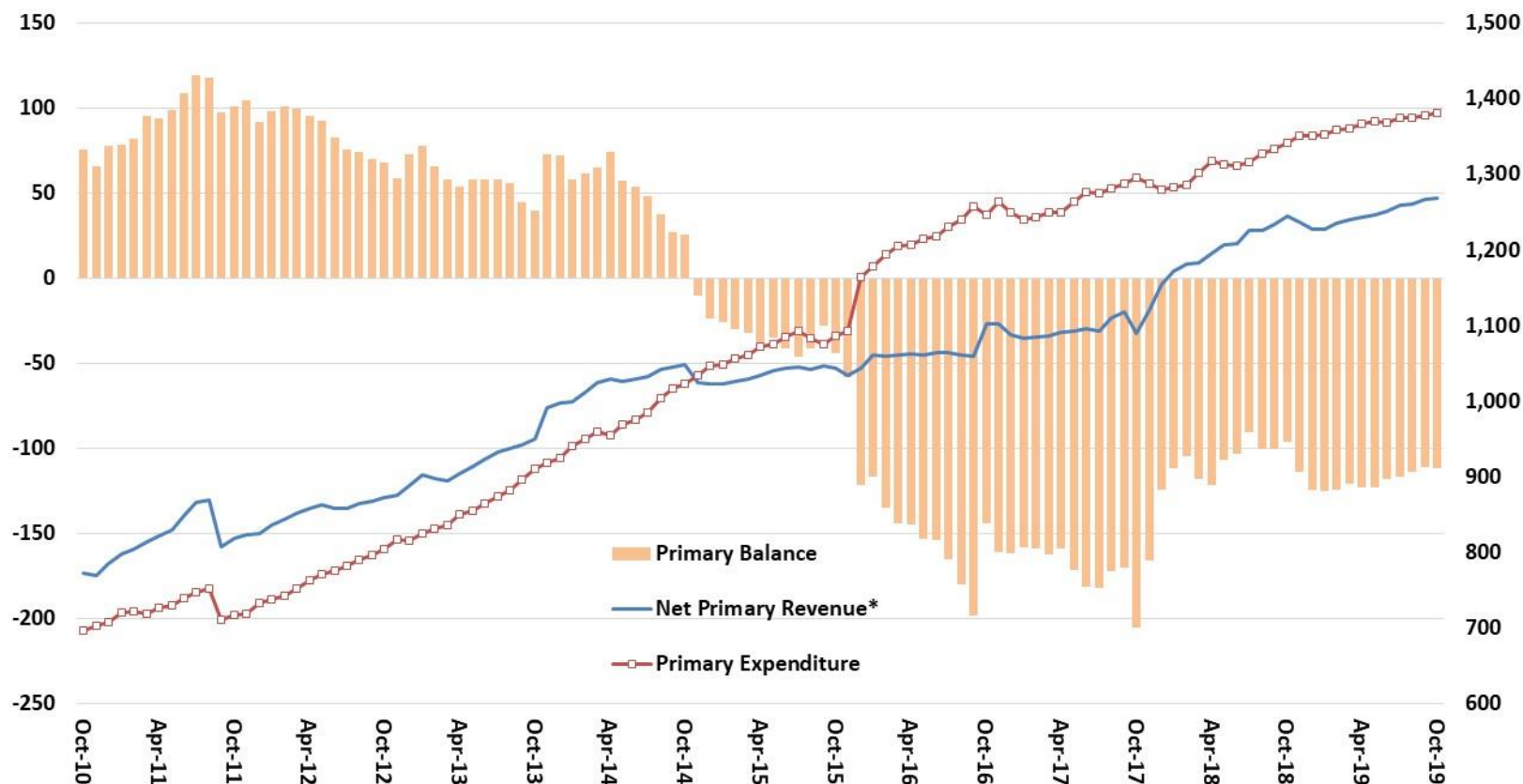
Source: STN/ME. *Excludes compulsory transfers to subnational entities.

Primary Balance of Federal Government (real values)

PUBLIC SECTOR ACCOUNTS

Primary Balance of Federal Government
12-month Accumulated – real values (Last Month)
R\$ billion

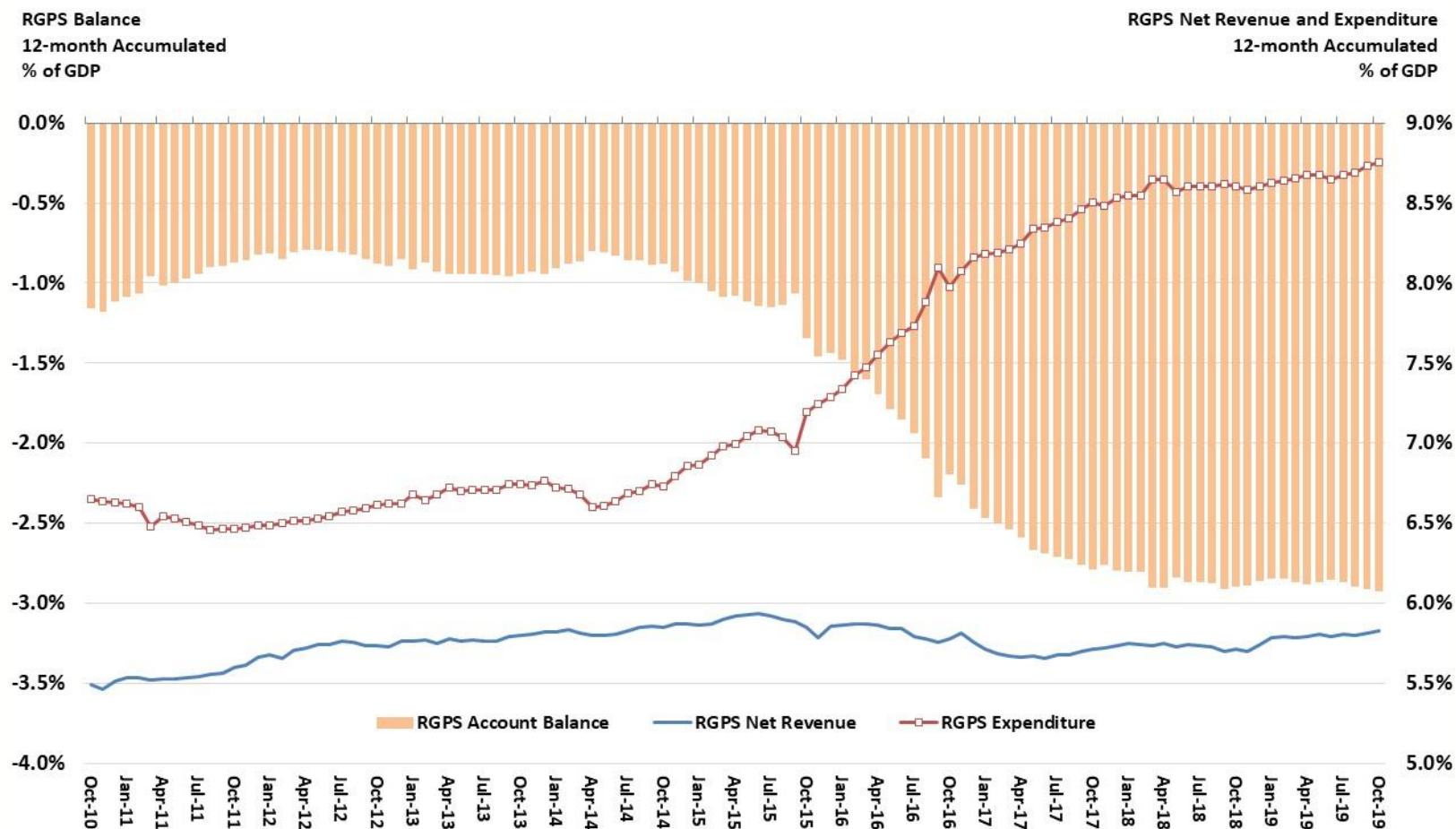
Net Primary Revenue and Primary Expenditure
12-month Accumulated – real values (Last Month)
R\$ billion



Source: STN/ME. *Excludes compulsory transfers to subnational entities.

General Social Security System (RGPS) Balance

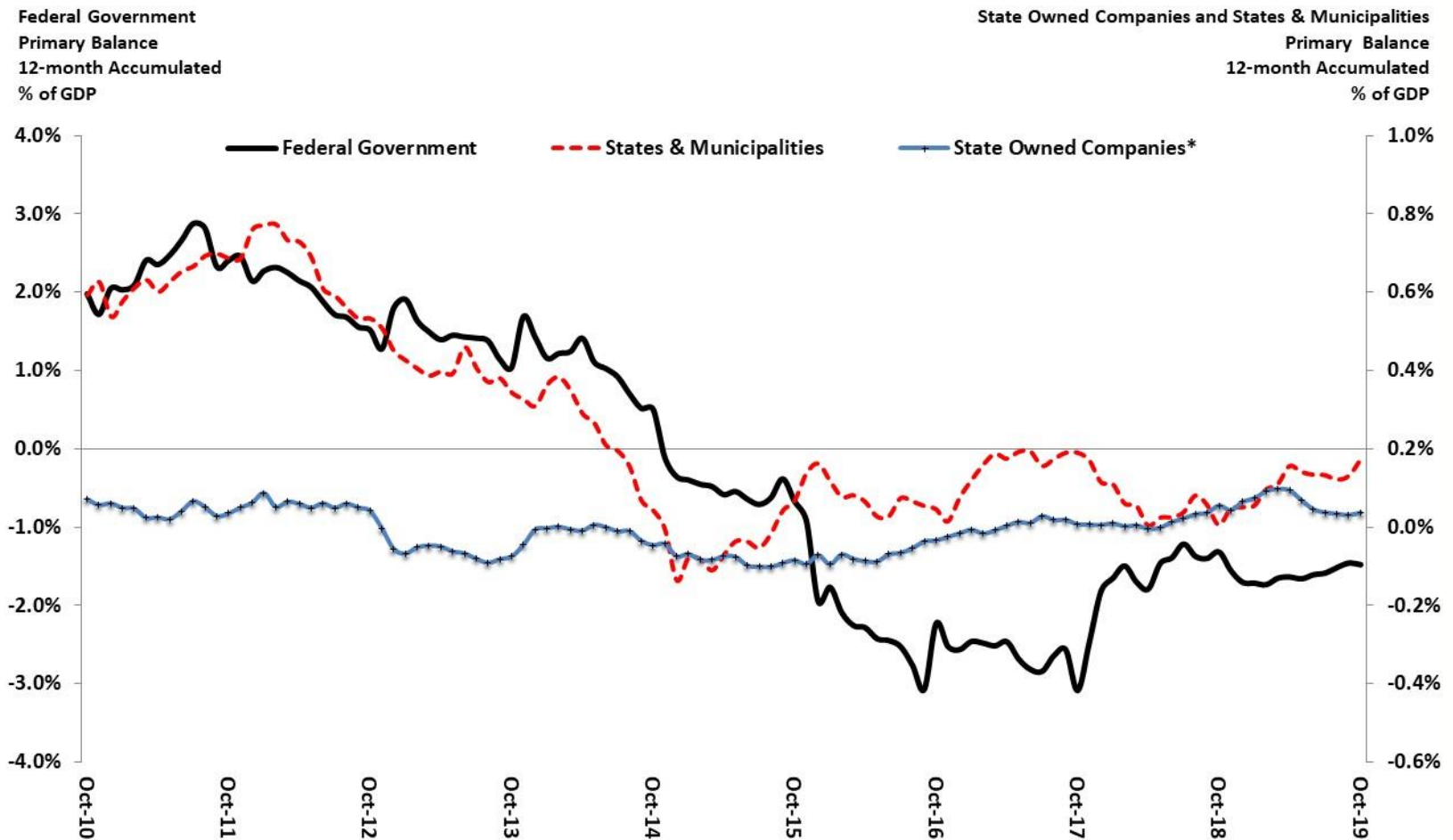
PUBLIC SECTOR ACCOUNTS



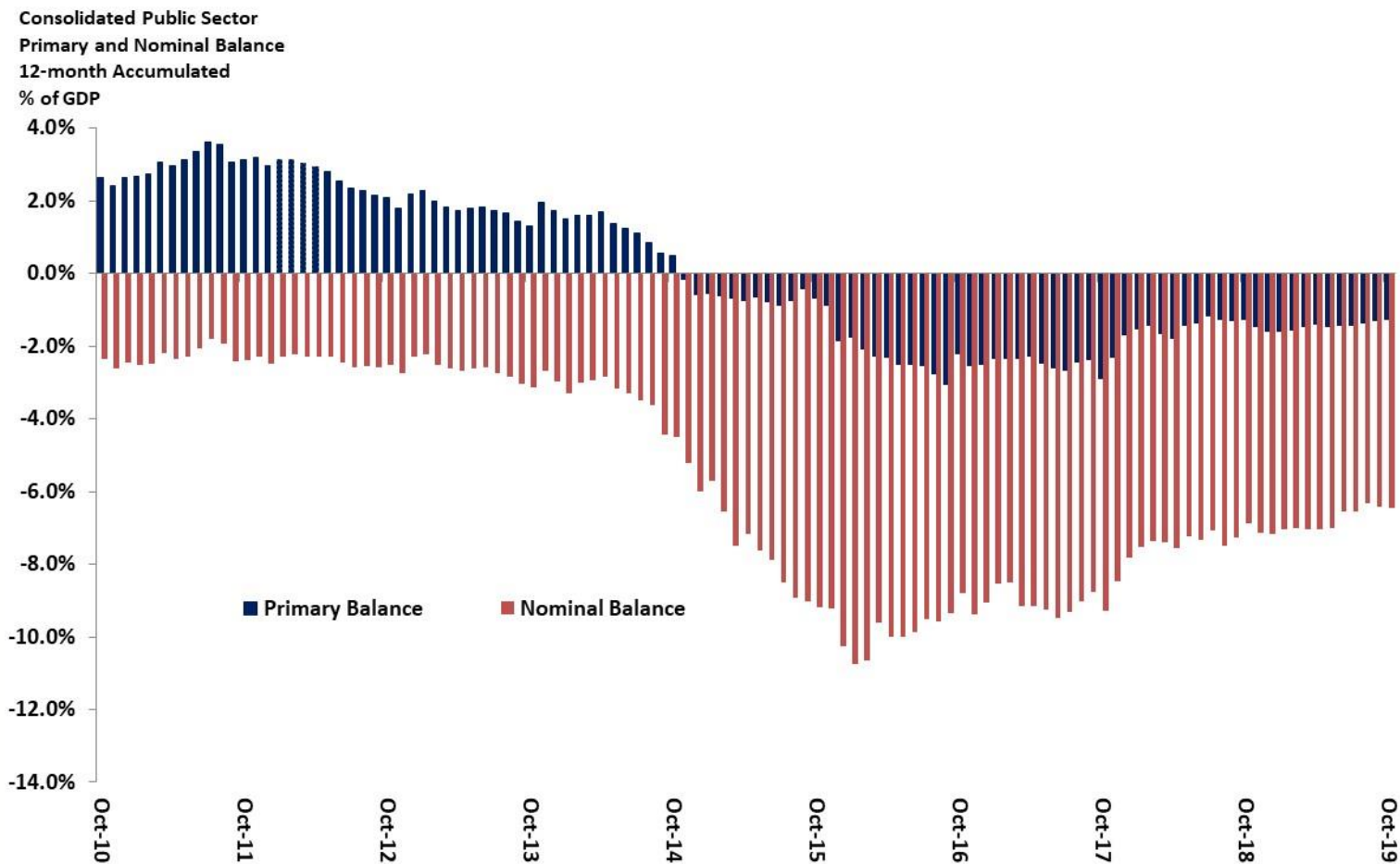
Sources: Central Bank of Brazil and STN/ME.

Public Sector Primary Balance (as % GDP)

PUBLIC SECTOR ACCOUNTS



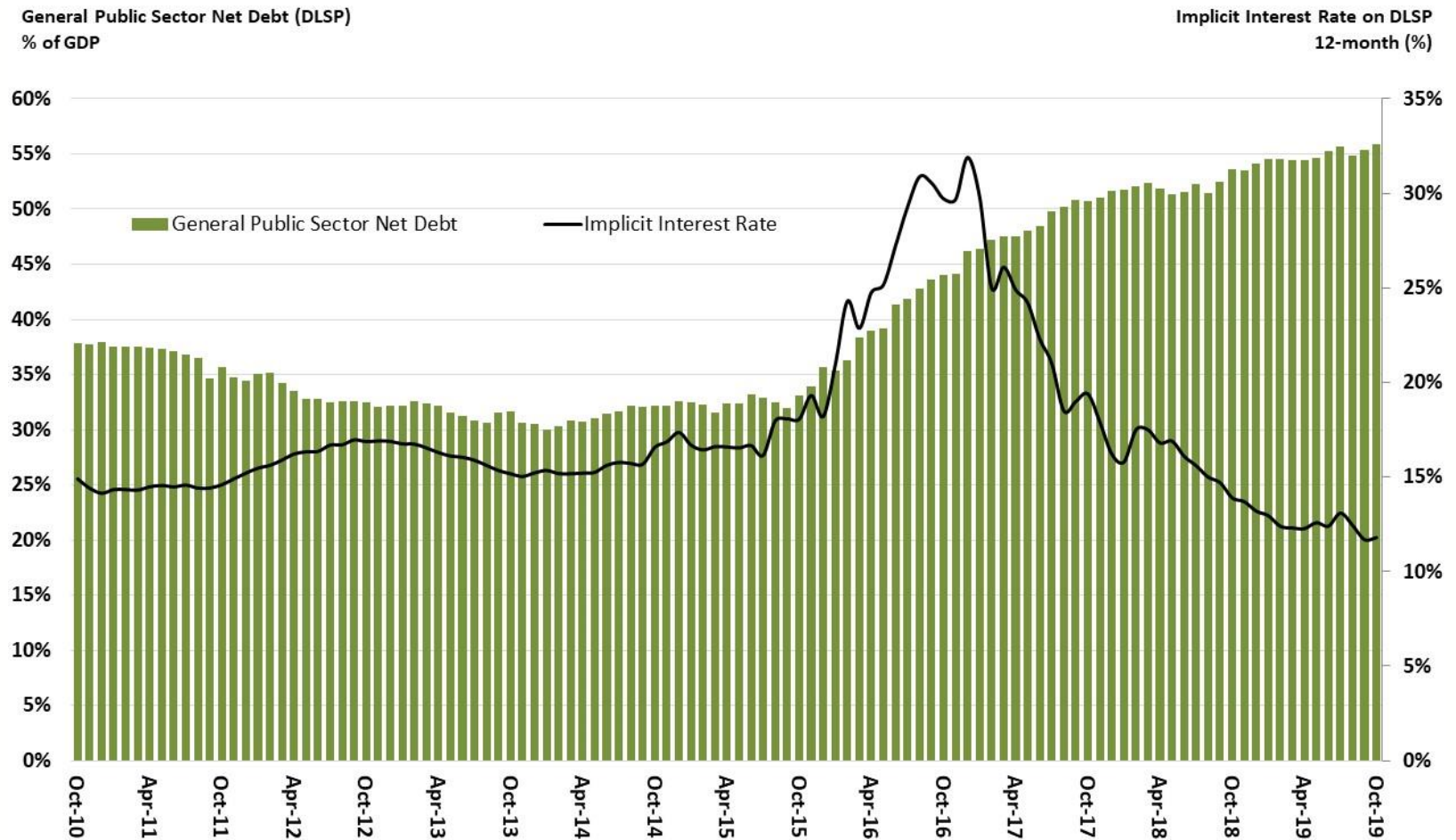
Sources: Central Bank of Brazil. *Excludes Petrobras and Eletrobras.



Source: Central Bank of Brazil.

Public Sector Net Debt (as % GDP)

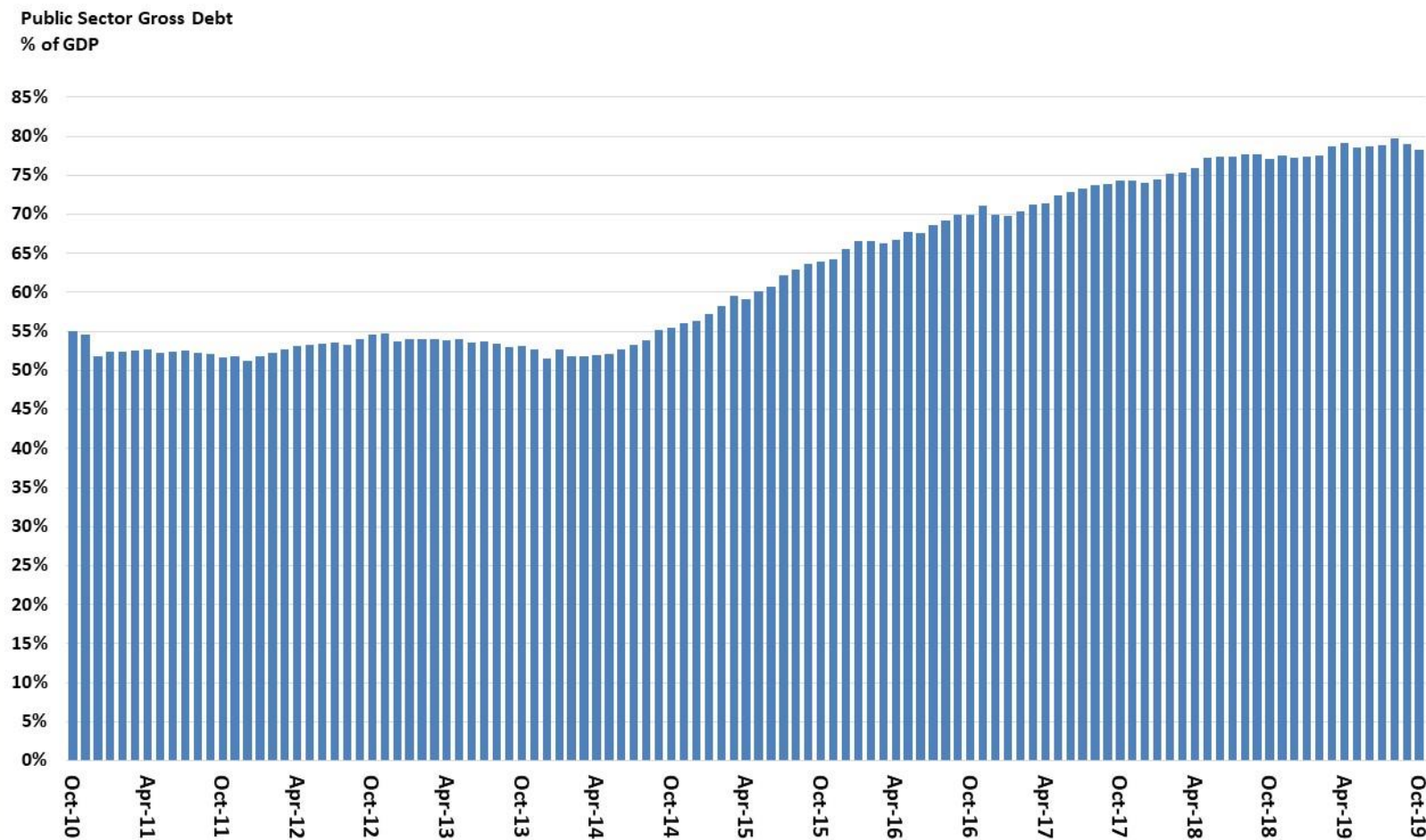
PUBLIC SECTOR ACCOUNTS



Source: Central Bank of Brazil.

Public Sector Gross Debt (as % GDP)

PUBLIC SECTOR ACCOUNTS



Source: Central Bank of Brazil.

World Economy

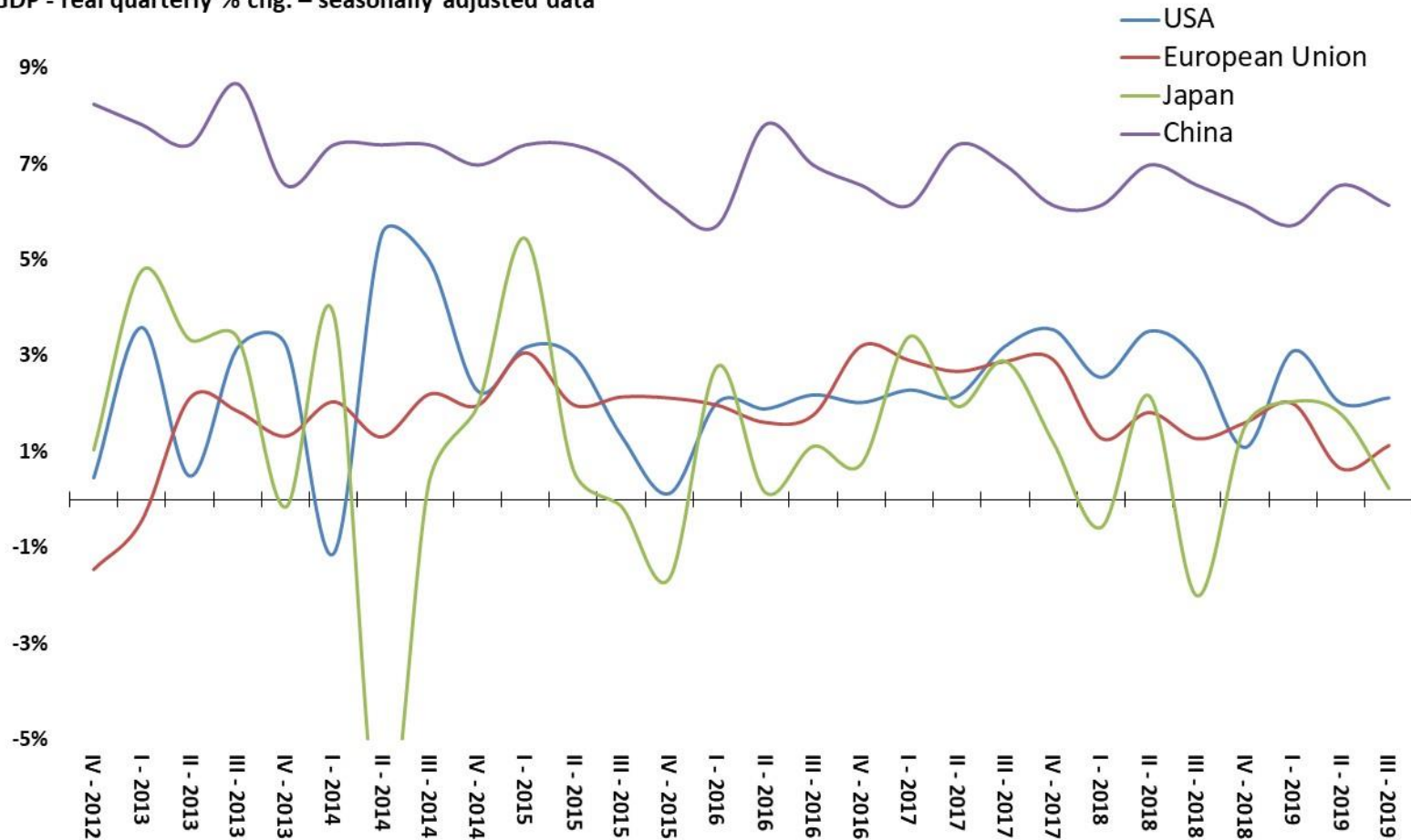
World Economy

WORLD ECONOMY

IMF - WEO, October 2019.

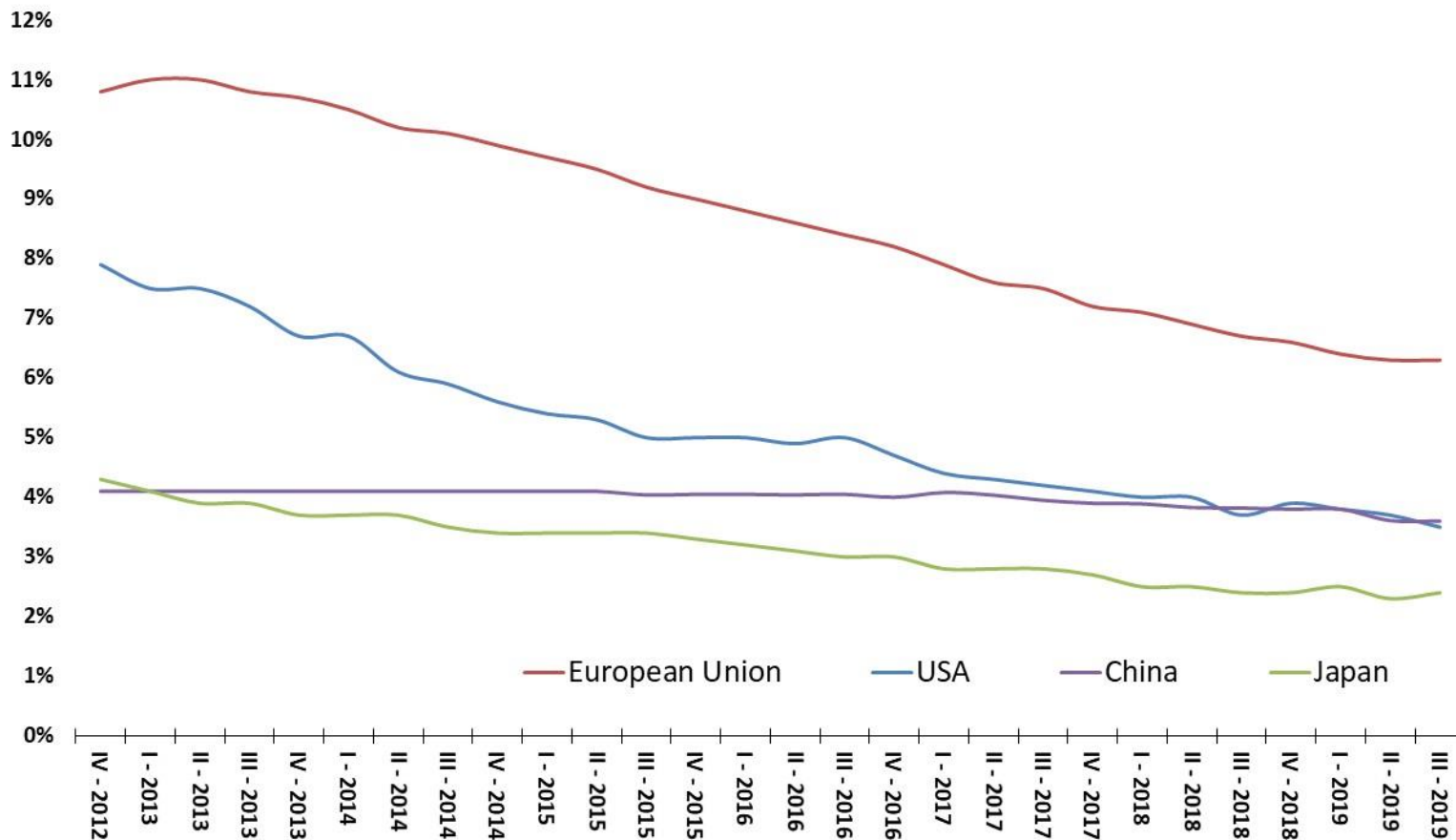
World	Q4 2018	2014	2015	2016	2017	2018E (IMF)	Q4-2015 / Q4-2014	Q4-2016 / Q4-2015	Q4-2017 / Q4-2016	Q4-2018 / Q4-2017		2019	2020	2020
<i>data from IMF and WTO</i>														
World Output - GDP	3.6%	3.5%	3.4%	3.8%	3.6%	3.2%	3.2%	3.6%	3.6%			3.0%	3.4%	3.6%
Advanced Economies	2.1%	2.3%	1.7%	2.5%	2.3%	1.8%	2.0%	2.3%	2.0%			1.7%	1.7%	1.6%
Emerging Market and Developing Economies	4.7%	4.3%	4.6%	4.8%	4.5%	4.4%	4.4%	4.8%	4.6%			3.9%	4.6%	4.8%
Latin America and the Caribbean	1.3%	0.3%	-0.6%	1.2%	1.0%	-1.1%	-1.1%	1.3%	1.1%			0.2%	1.8%	2.4%
World Trade of Goods and Services	3.9%	2.8%	2.3%	5.7%	3.6%	1.4%	0.9%	4.9%	4.0%			1.1%	3.2%	3.8%
National Accounts	Q3 2019	2014	2015	2016	2017	2018	Q2-2019 / Q2-2018	Q3-2019 / Q3-2018	Q1-2019 accum. in 4- quarters	Q2-2019 accum. in 4- quarters	Q3-2019 accum. in 4- quarters	2019	2020	2021
<i>data from IMF, OECD, Eurostat, NBSC and METI</i>														
USA - GDP	2.5%	2.9%	1.6%	2.4%	2.9%	2.3%	2.0%	2.9%	2.7%	2.4%		2.4%	2.1%	1.7%
Household Expenditure	2.9%	3.7%	2.7%	2.5%	2.6%	2.6%	2.5%	2.9%	2.8%	2.6%				
Government Expenditure	-0.9%	1.9%	1.4%	-0.1%	1.5%	2.3%	2.3%	1.8%	2.0%	2.0%				
Gross Fixed Capital Formation	5.4%	4.8%	-1.3%	4.8%	6.0%	3.9%	0.2%	5.0%	4.9%	3.6%				
Exports of Goods and Services	4.3%	0.6%	-0.1%	3.0%	3.9%	-1.7%	0.1%	2.3%	0.6%	0.0%				
Imports of Goods and Services (-)	5.1%	5.5%	1.9%	4.6%	4.6%	2.6%	0.8%	3.9%	3.5%	2.3%				
Industrial Production	3.2%	-0.9%	-1.9%	2.4%	4.3%	1.3%	0.3%	4.0%	3.4%	2.1%				
Unemployment (% of Labor Force)	6.2%	5.3%	4.9%	4.4%	3.9%	-0.2 pp	0.0 pp	3.8%	3.7%	3.7%		3.7%	3.5%	3.5%
Consumer Price Index	1.6%	0.1%	1.3%	2.1%	2.4%	1.6%	1.7%	2.2%	1.9%	1.9%		1.8%	2.3%	2.4%
European Union - GDP	1.9%	2.5%	2.1%	2.8%	2.2%	1.4%	1.4%	1.8%	1.6%	1.5%		1.5%	1.6%	1.7%
Household Expenditure	1.2%	1.9%	2.2%	1.8%	1.5%									
Government Expenditure	1.1%	1.4%	1.7%	1.1%	1.1%									
Gross Fixed Capital Formation	2.9%	4.9%	3.1%	3.1%	3.3%									
Exports of Goods and Services	4.7%	6.3%	3.2%	5.3%	3.0%									
Imports of Goods and Services (-)	5.2%	7.2%	4.3%	4.3%	3.3%									
Industrial Production	2.3%	2.7%	1.9%	3.5%	1.6%	0.5%		0.7%	0.5%					
Unemployment (% of Labor Force)	11.6%	10.9%	10.0%	9.1%	8.2%	-0.1 pp	0.0 pp	6.4%	6.3%	6.3%		7.7%	7.5%	7.3%
Consumer Price Index	0.0%	0.2%	1.1%	1.7%	1.7%	1.6%	1.2%	1.9%	1.8%	1.6%		1.6%	1.6%	1.9%
Japan - GDP	0.4%	1.2%	0.6%	1.9%	0.8%	0.8%		0.7%	0.6%	0.7%		0.9%	0.5%	0.5%
Industrial Production	2.0%	-1.1%	0.2%	2.8%	1.1%	-1.0%	-1.7%	0.3%	0.0%	-0.8%				
Unemployment (% of Labor Force)	3.6%	3.4%	3.1%	2.8%	2.4%	-0.1 pp	-0.1 pp	2.4%	2.3%	2.2%		2.4%	2.4%	2.4%
Consumer Price Index	2.8%	0.8%	-0.1%	0.5%	1.0%	0.7%	0.2%	70.0%	0.7%	0.6%		1.0%	1.3%	0.7%
China - GDP	7.3%	6.9%	6.7%	6.8%	6.6%	6.2%	6.0%	6.5%	6.4%	6.3%		6.1%	5.8%	5.9%
Industrial Production	7.9%	6.6%	6.0%	6.1%	6.1%	5.6%		5.0%	6.4%					
Unemployment (% of Labor Force)	4.1%	4.1%	4.0%	3.9%	3.8%	-0.2 pp	0.0 pp	3.8%	3.6%	3.6%		3.8%	3.8%	3.8%
Consumer Price Index	2.0%	1.4%	2.0%	1.6%	2.1%	2.7%	3.0%	2.2%	2.4%	2.4%		2.3%	2.4%	2.8%

GDP - real quarterly % chg. – seasonally adjusted data



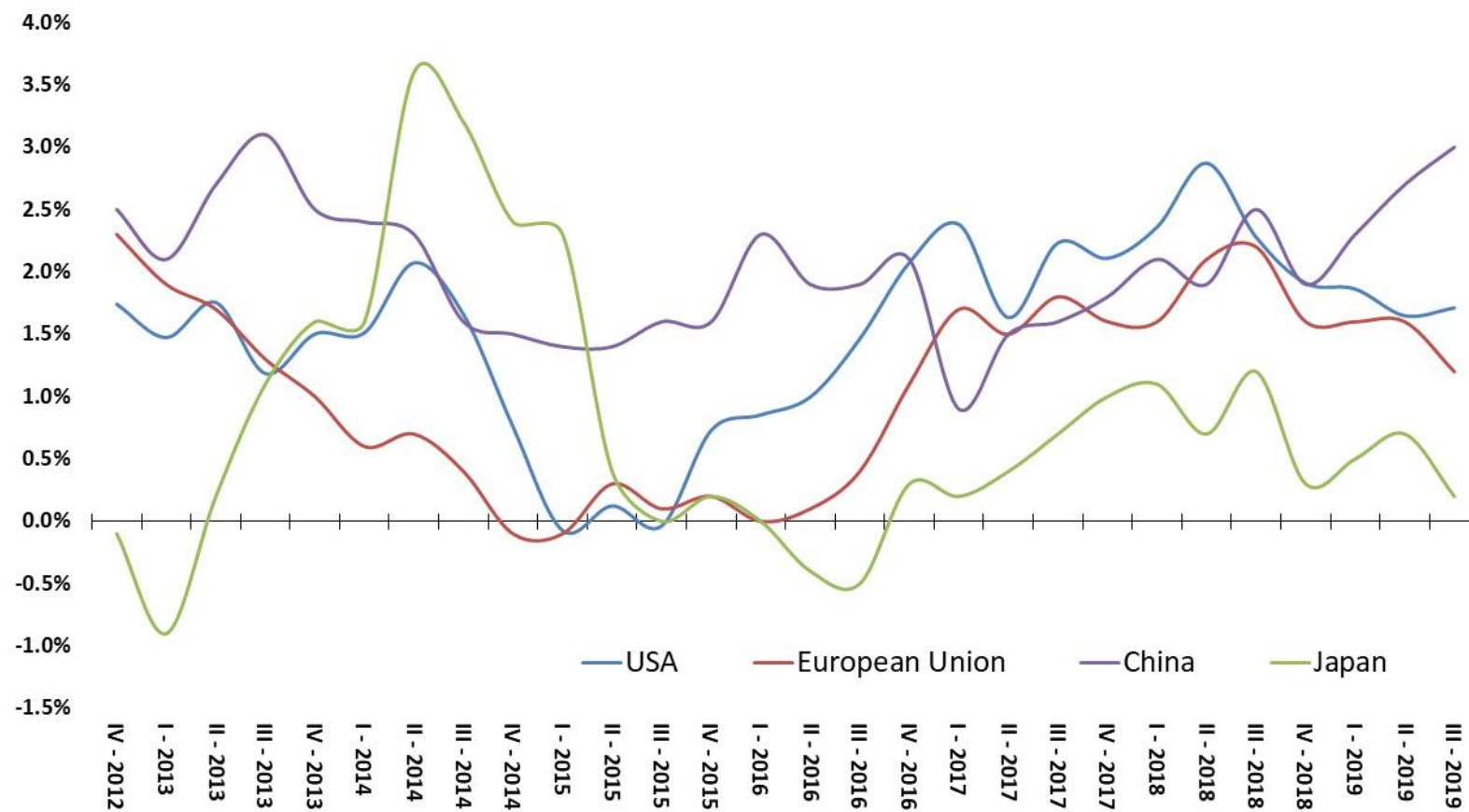
Source: OECD.

Unemployment Rate as % of Labor Force



Source: OECD.

Consumer Price Indexes – annual chg. %

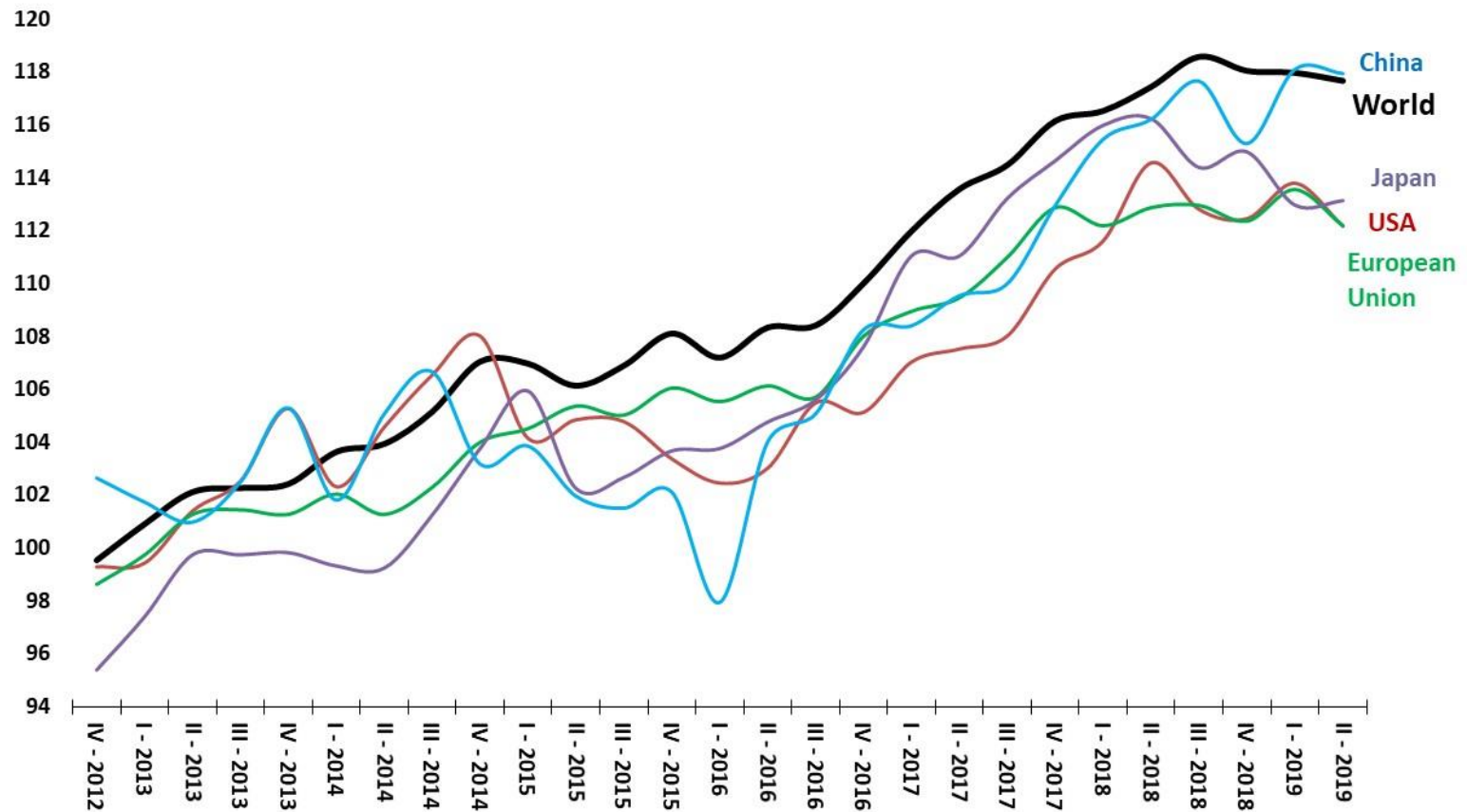


Source:: OECD.

World Major Economies Total Exports

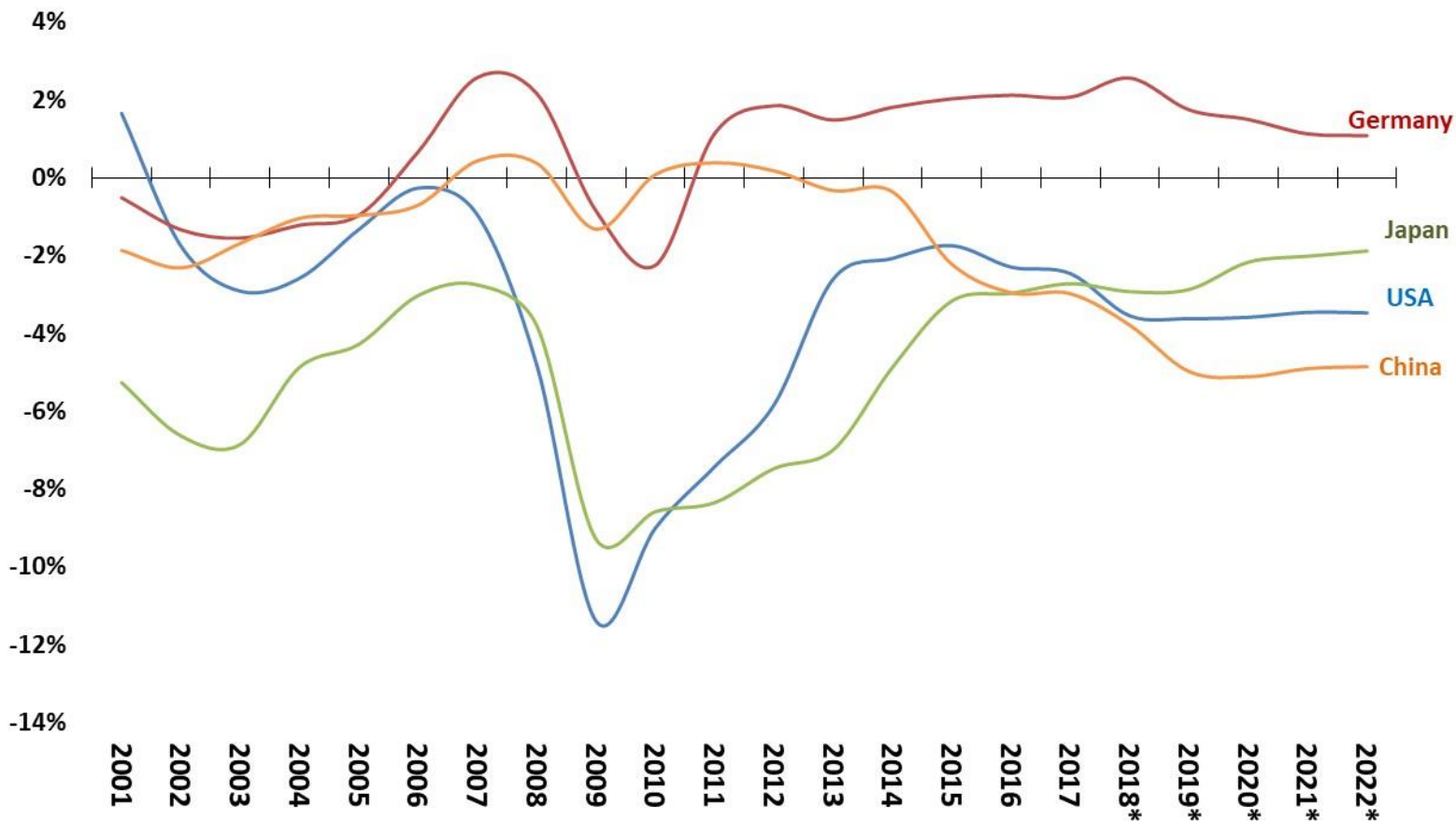
WORLD ECONOMY

Total Exports Volume Index – Q3-2012 = 100



Source: WTO.

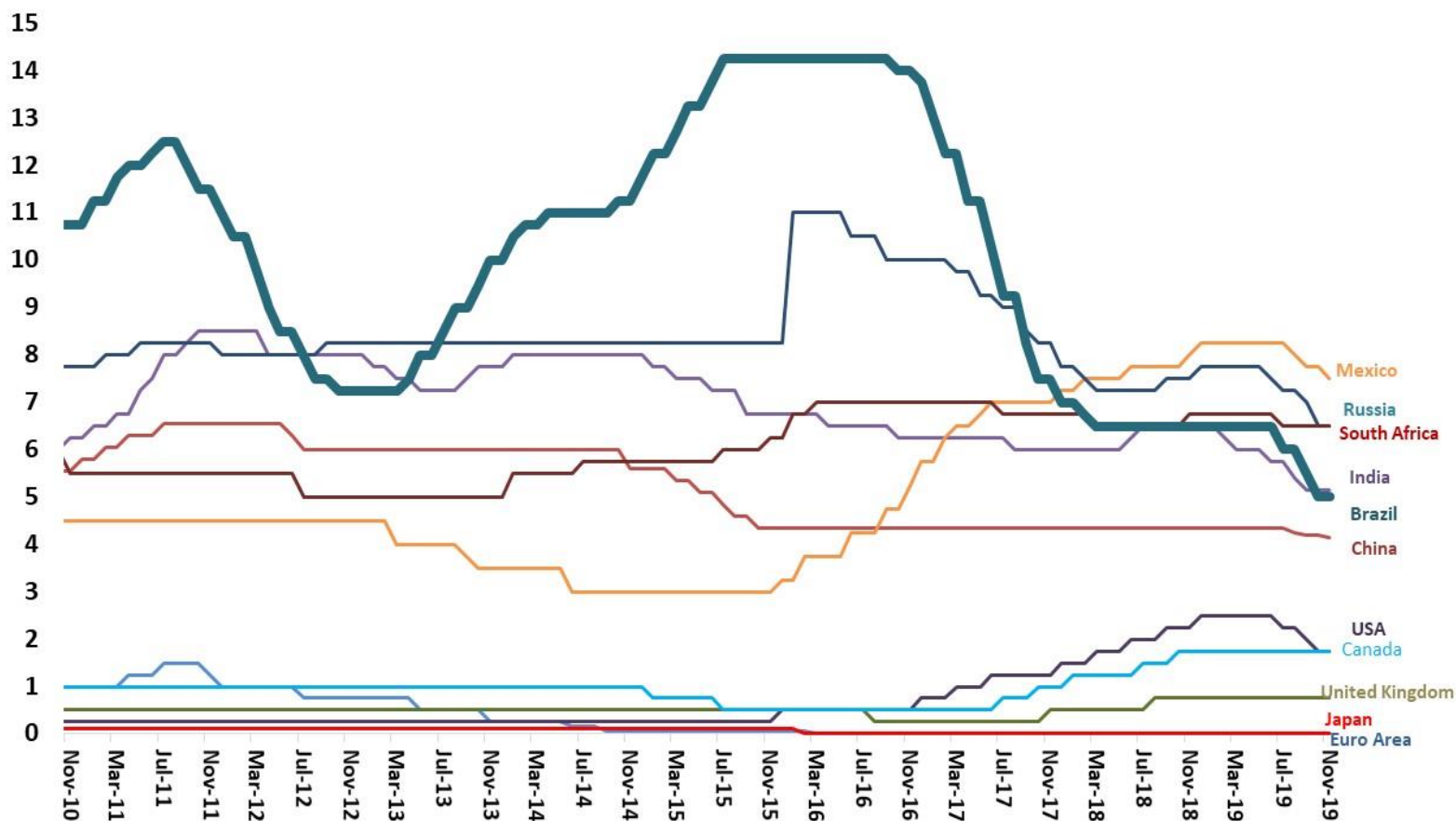
Central Government Primary Surplus as % of GDP



Source: IMF. * Estimated values

Selected Economies Main Interest Rate

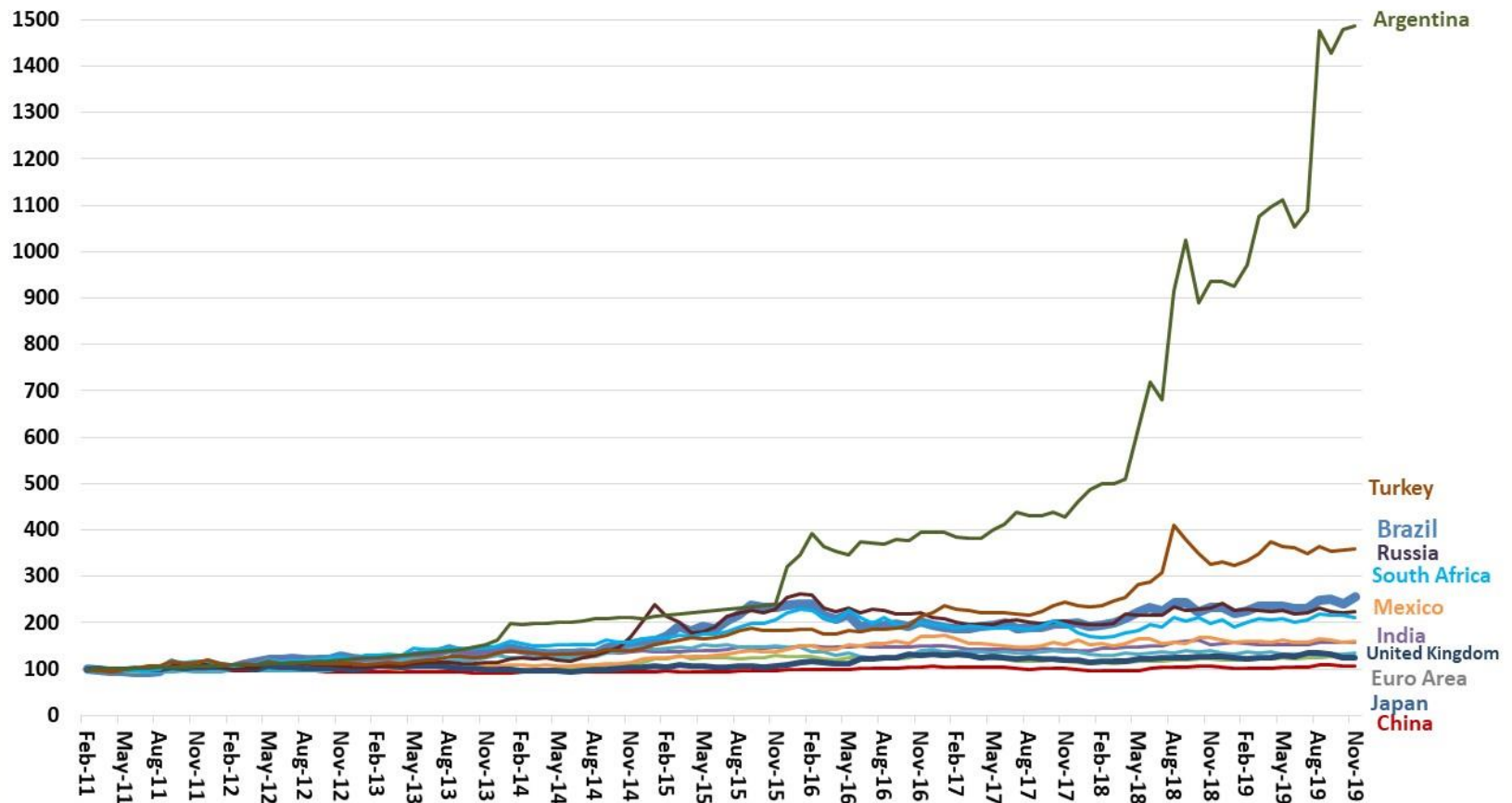
Main Interest Rates – Selected Economies – % per year



Source: Central Bank of Brazil.

Selected Economies FX-dollar Rate Evolution

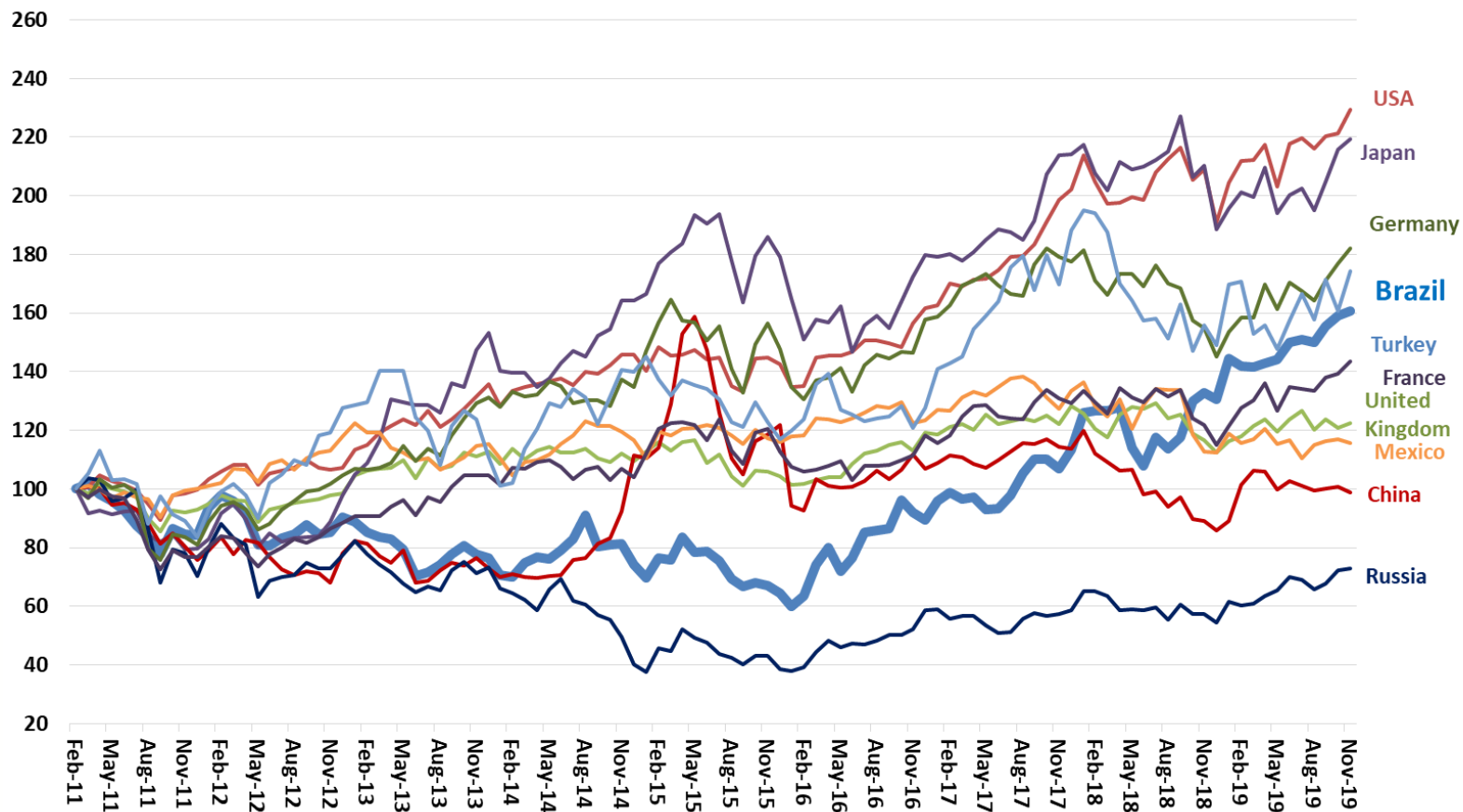
Selected Economies FX-rate Indexes – Dec/2008 = 100



Source: Bloomberg.

Selected Economies Main Stock Index Evolution

Selected Economies Main Stock Indexes – Dec/2008 = 100



Source: Bloomberg.

Macroeconomic Outlook

December 2019

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