MINISTRY OF ECONOMY

Macroeconomic Outlook

December 2021

12/15/2021

SECRETARIAT FOR ECONOMIC POLICY

MINISTRY OF ECONOMY

PÁTRIA AMADA BRASIL
GOVERNO FEDERAL

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

This report is entirely descriptive and it does not imply or suggests policy decisions neither does it limit the operational scope of the Ministry of Economy.

Data valid up to the date of the report.

Contents

Highlights

Macroeconomic Parameters

Macroeconomic Parameters					
Year	Gross Domestic Product				
	Nominal		Real		Deflator
	BRL million	*Chg. %*	*Chg. %*	*Per Capita chg. %*	*Chg. %*
2015	5,995,787	3.75	-3.55	-4.38	7.61
2016	6,269,328	4.56	-3.28	-4.07	8.07
2017	6,585,479	5.04	1.32	0.52	3.66
2018	7,004,141	6.36	1.78	0.96	4.49
2019	7,407,024	5.75	1.41	0.61	4.27
2020	7,447,858	0.55	-4.06	-4.79	4.79
2021	**8,665,677**	**16.35**	**5.10**	**4.33**	**10.71**
2022	**9,539,011**	**10.08**	**2.10**	**1.38**	**7.82**
2023	**10,303,448**	**8.01**	**2.50**	**1.81**	**5.38**
2024	**11,044,564**	**7.19**	**2.50**	**1.84**	**4.58**
2025	**11,816,346**	**6.99**	**2.50**	**1.87**	**4.38**

Source: SPE/ME. Macroeconomic Parameters, November-2021.

Macroeconomic Parameters

Macroeconomic Parameters						
Year	Industrial Activity - Annual chg. %					
	Manufacturing		Beverages		Vehicles	
	Production				Domestic Wholesale	
	Price	*Quantity*	*Price*	*Quantity*	*Price*	*Quantity*
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	1.10	2.67	0.87	3.30	13.05
2019	4.31	0.19	2.86	4.25	2.97	10.38
2020	9.13	-4.63	0.87	-0.18	4.15	-25.84
2021	**31.92**	**5.24**	**4.02**	**3.56**	**12.33**	**3.60**
2022	**12.07**	**0.11**	**5.83**	**1.62**	**10.14**	**3.04**
2023	**0.57**	**2.39**	**5.76**	**3.45**	**5.46**	**12.59**
2024	**2.11**	**2.24**	**5.61**	**3.45**	**4.01**	**9.56**
2025	**3.80**	**2.27**	**5.61**	**3.12**	**3.34**	**8.40**

Source: SPE/ME. Macroeconomic Parameters, November-2021.

Macroeconomic Parameters

Macroeconomic Parameters						
Year	Labor Force	Formal Jobs in Private Sector				
		Employed Population	Earnings		Wage Bill	
			Nominal	Real	Nominal	Real
	Chg. % accum. In 4-trimesters					
2015	1.91	-2.45	8.06	-0.91	5.40	-3.33
2016	1.45	-3.89	7.57	-1.10	3.39	-4.95
2017	1.77	-2.71	5.71	2.23	2.86	-0.55
2018	0.86	-1.16	3.71	-0.03	2.51	-1.19
2019	1.54	1.08	3.16	-0.55	4.28	0.52
2020	-6.13	-7.81	5.98	2.66	-2.34	-5.37
2021	**3.63**	**0.16**	**4.19**	**-2.92**	**4.46**	**-2.75**
2022	**4.30**	**6.04**	**6.22**	**1.03**	**12.59**	**7.14**
2023	**2.18**	**3.26**	**2.79**	**1.16**	**6.13**	**4.46**
2024	**2.13**	**2.59**	**2.64**	**1.20**	**5.31**	**3.82**
2025	**2.13**	**2.49**	**2.70**	**1.20**	**5.26**	**3.72**

Source: SPE/ME. Macroeconomic Parameters, November-2021.

Macroeconomic Parameters

Macroeconomic Parameters						
Year	Inflation					
	IPCA		INPC		IGP-DI	
	Annual Average	Annual Accum.	Annual Average	Annual Accum.	Annual Average	Annual Accum.
	Chg. %					
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	3.73	4.31	3.75	4.48	6.05	7.70
2020	3.21	4.52	3.61	5.45	13.05	23.08
2021	**8.25**	**9.70**	**8.98**	**10.04**	**27.54**	**18.66**
2022	**7.42**	**4.70**	**7.43**	**4.25**	**7.96**	**5.42**
2023	**3.90**	**3.25**	**3.66**	**3.25**	**4.89**	**4.24**
2024	**3.11**	**3.00**	**3.11**	**3.00**	**4.15**	**4.14**
2025	**3.00**	**3.00**	**3.00**	**3.00**	**4.00**	**3.89**

Source: SPE/ME. Macroeconomic Parameters, November-2021.

Macroeconomic Parameters

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. %*
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	5.90	4.59	1.53	6.18	5.57	0.00	5,744,064	7.43
2020	2.64	1.90	-1.80	4.87	4.55	0.00	6,367,887	10.86
2021	**3.92**	**9.15**	**-5.27**	**4.79**	**5.32**	**0.09**	**7,217,281**	**13.34**
2022	**10.68**	**10.90**	**5.71**	**6.09**	**6.09**	**0.82**	**7,842,436**	**8.66**
2023	**8.51**	**7.40**	**5.10**	**5.65**	**5.45**	**0.27**	**8,376,631**	**6.81**
2024	**6.67**	**6.90**	**3.57**	**5.18**	**5.05**	**0.00**	**8,851,294**	**5.67**
2025	**6.90**	**6.90**	**3.79**	**4.84**	**4.70**	**0.00**	**9,281,938**	**4.87**

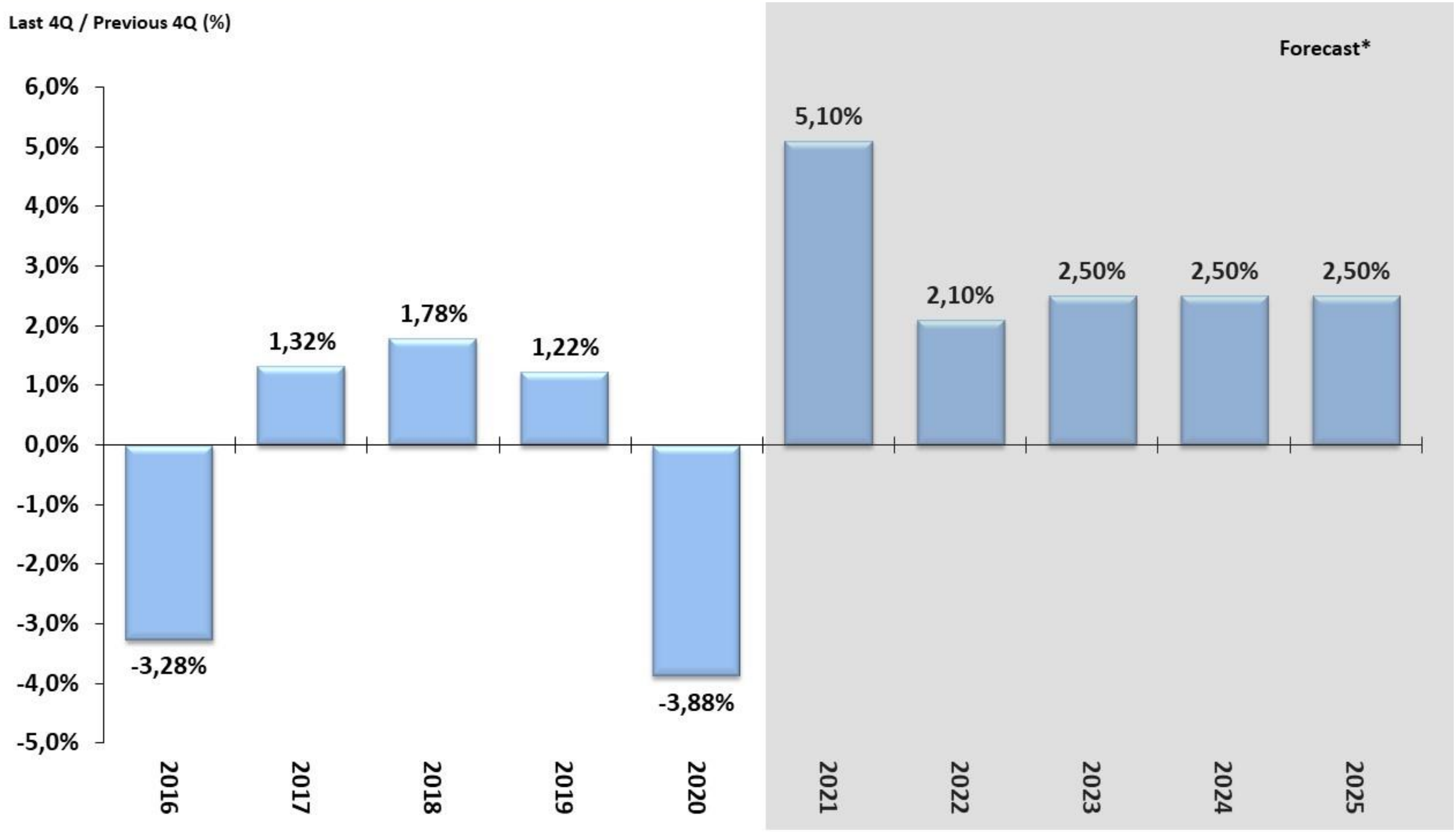
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Macroeconomic Parameters

Macroeconomic Parameters				
Year	External Sector			
	Exchange Rate			
	Annual Average	December	*Average chg. %*	*Annual chg. %*
	Exchange Rate BRL/USD			
2015	3.3	3.9	41.6	46.7
2016	3.5	3.3	4.8	-13.4
2017	3.2	3.3	-8.5	-1.8
2018	3.65	3.87	14.49	18.02
2019	3.95	4.03	7.95	5.78
2020	5.16	5.20	30.69	25.21
2021	**5.39**	**5.50**	**4.50**	**7.37**
2022	**5.53**	**5.50**	**2.62**	**-0.45**
2023	**5.41**	**5.30**	**-2.11**	**-2.73**
2024	**5.25**	**5.20**	**-2.99**	**-2.73**
2025	**5.20**	**5.20**	**-0.95**	**-0.08**

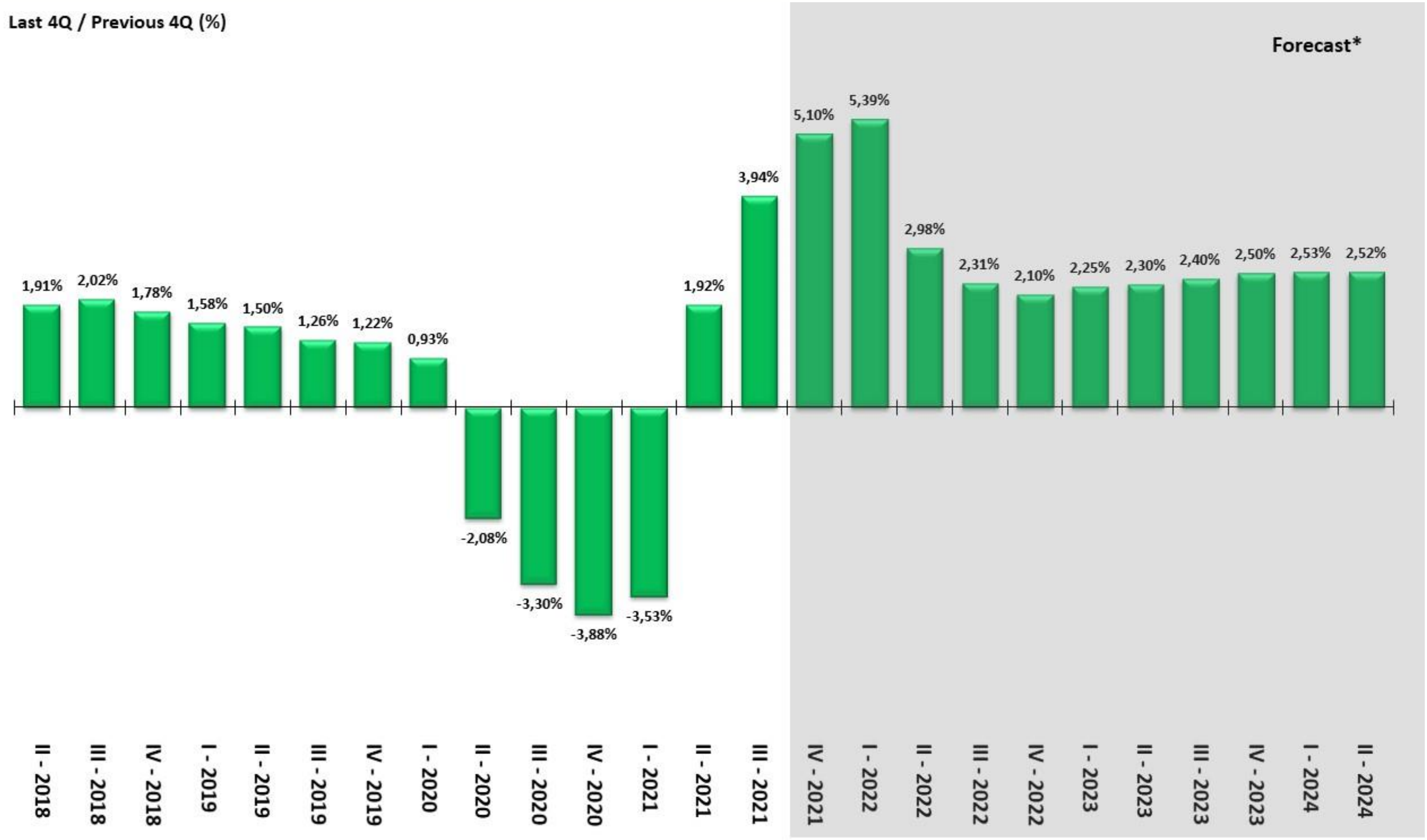
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Annual GDP



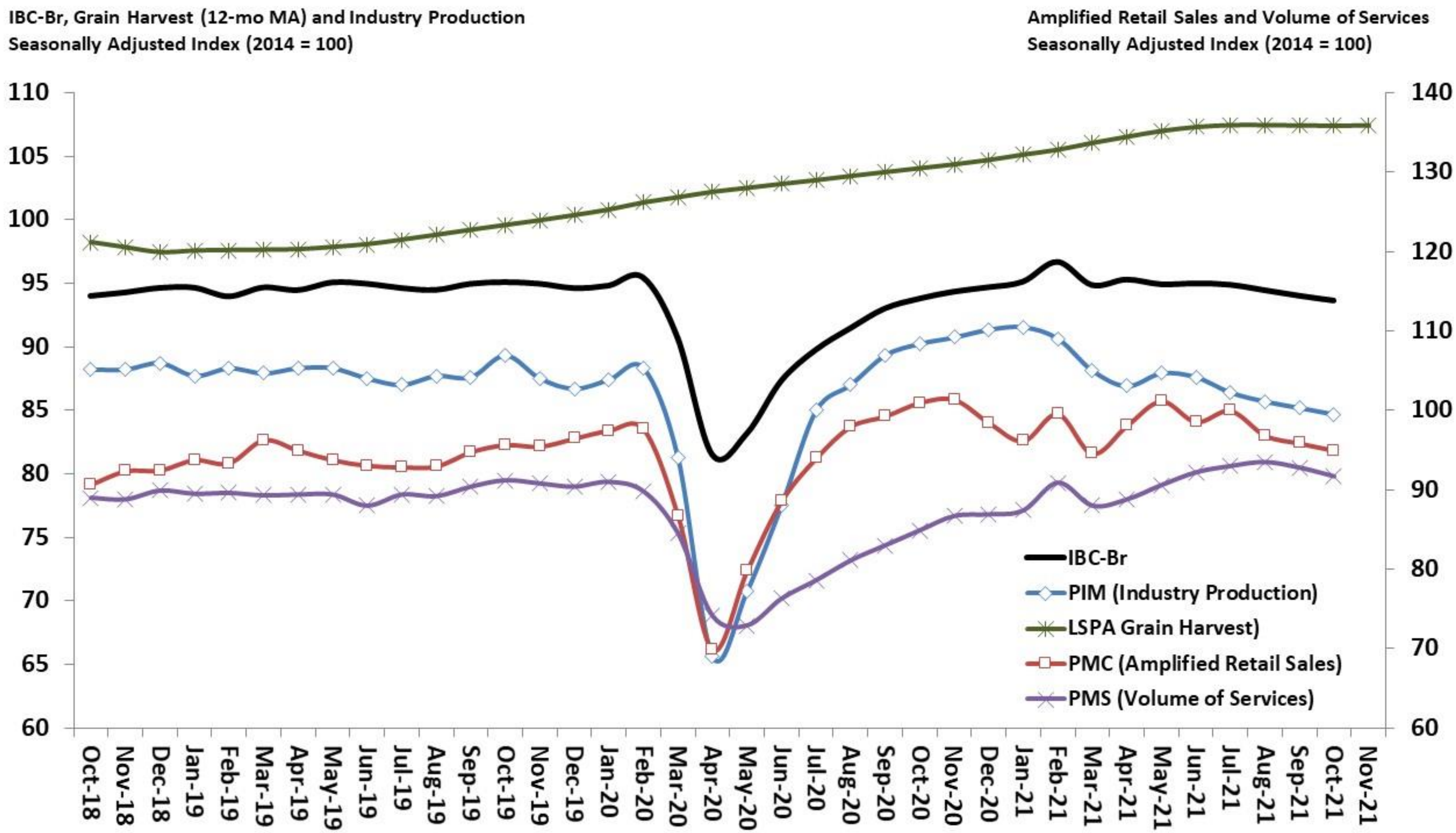
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, November-2021.

Quarterly GDP



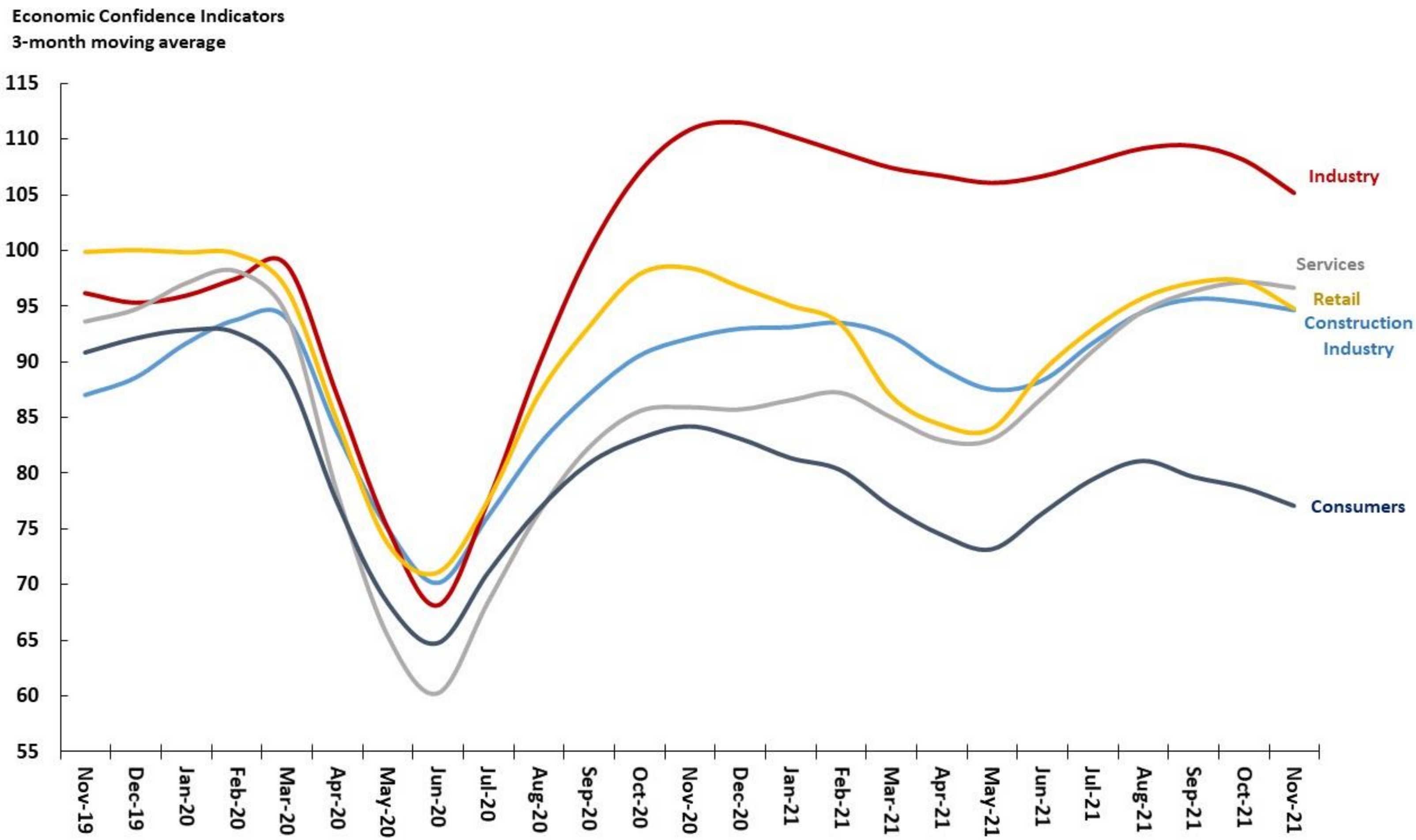
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, November-2021.

Major Monthly Economic Activity Indicators



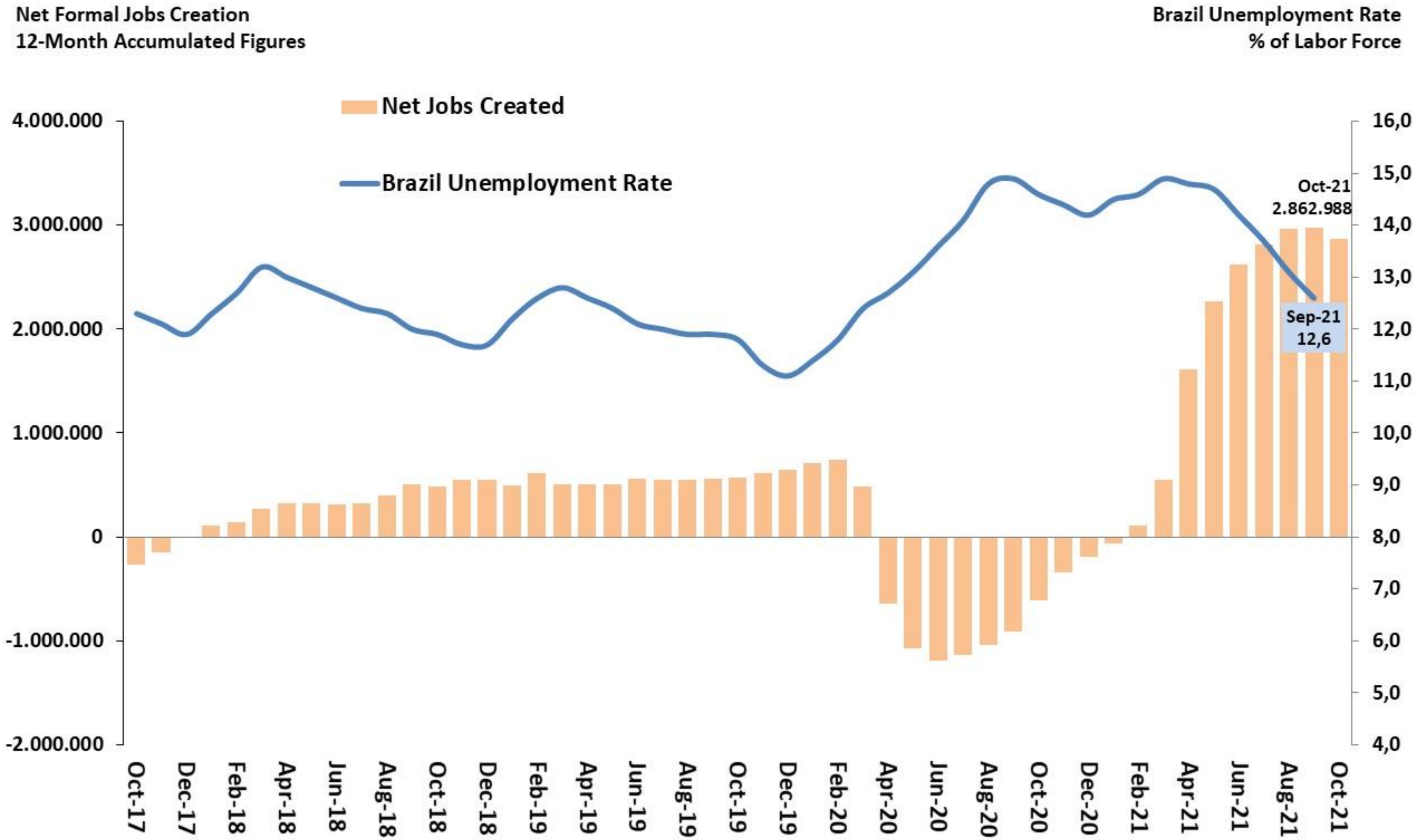
Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

FGV: Economic Confidence Indicators



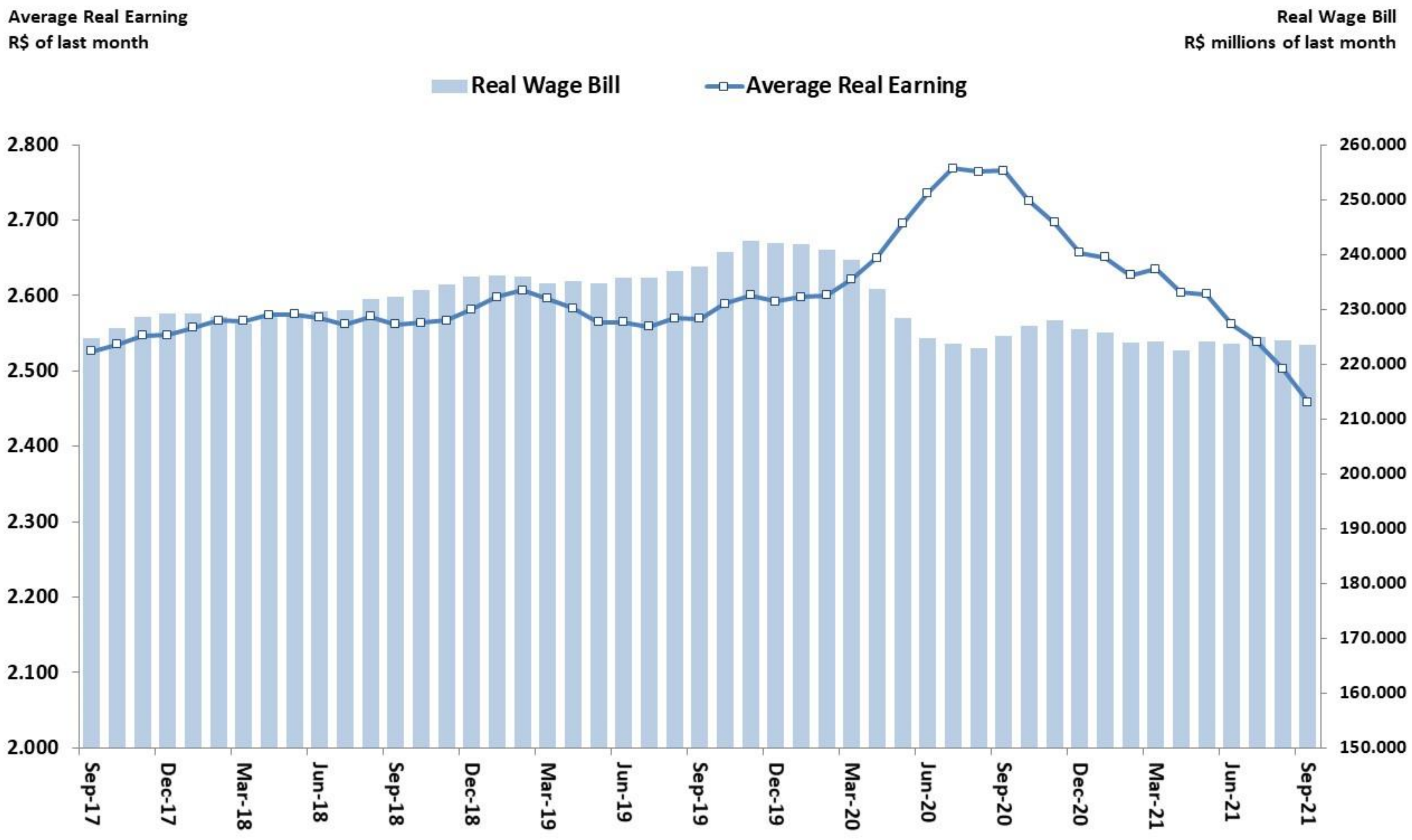
Source: IBRE/FGV.

Unemployment Rate and Net Formal Job Creation



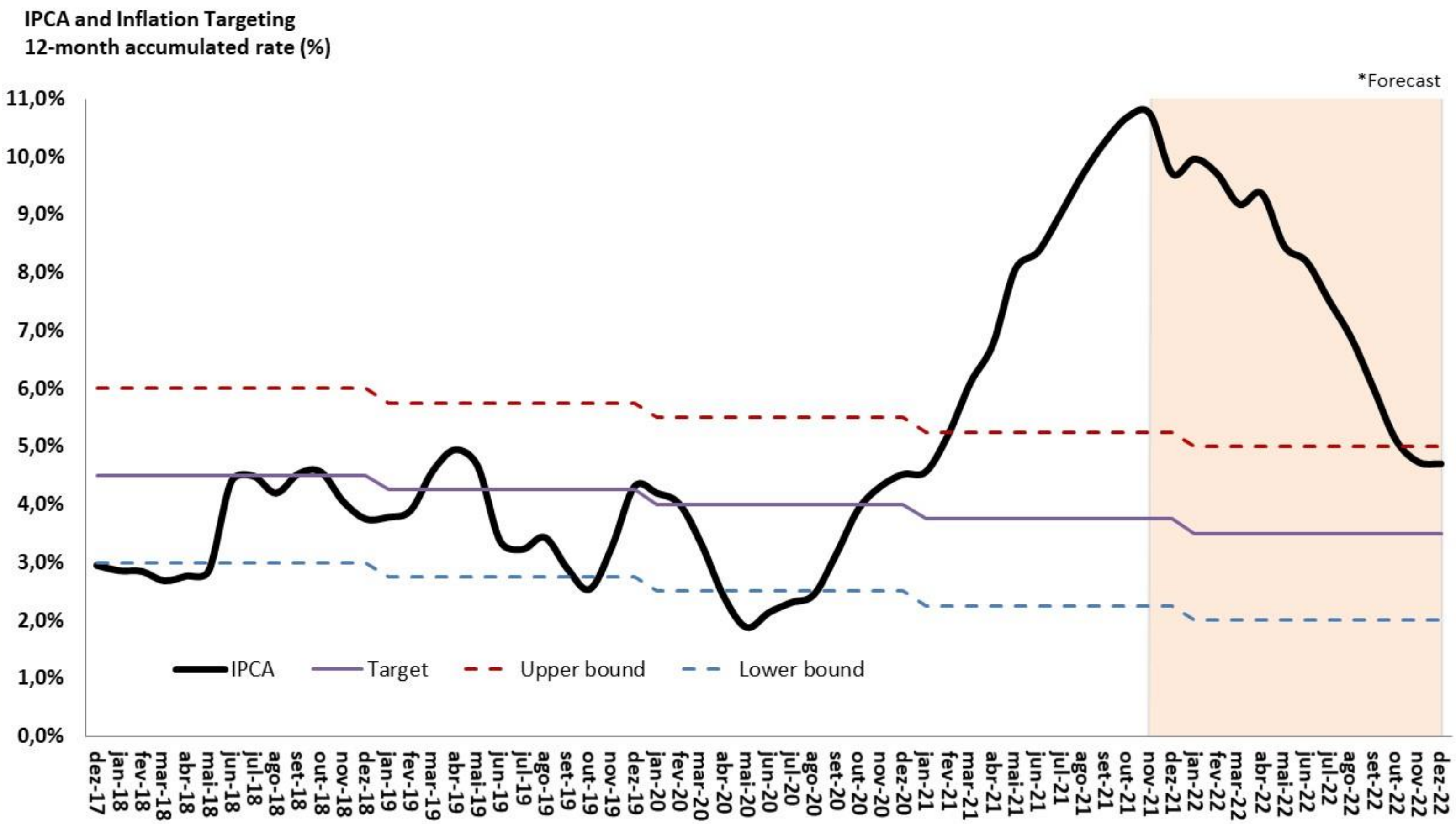
Sources: IBGE - PNADC and ME-CAGED (adjusted data).

Real Wage Bill and Average Real Earning



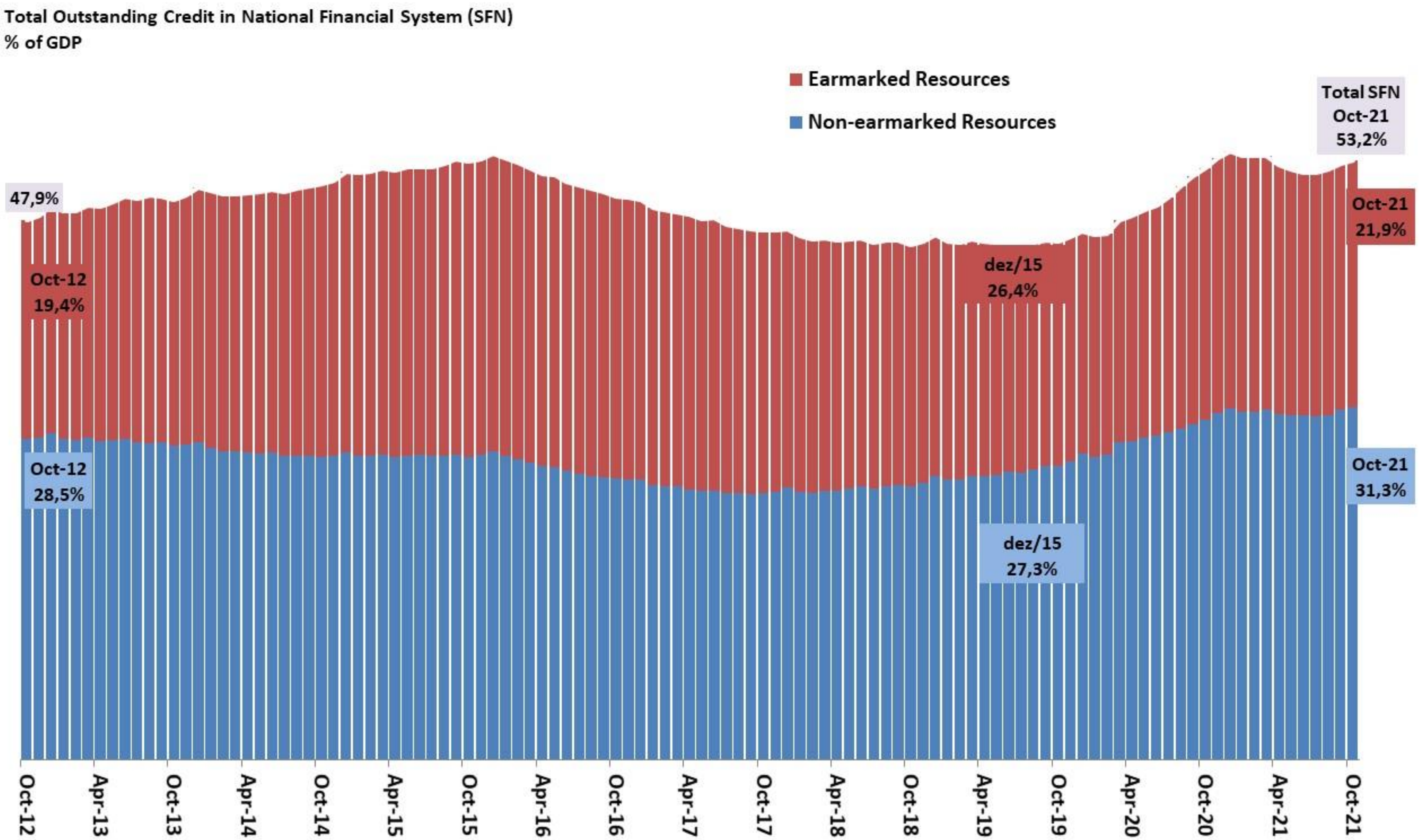
Source: IBGE - PNADC.

Inflation Targeting



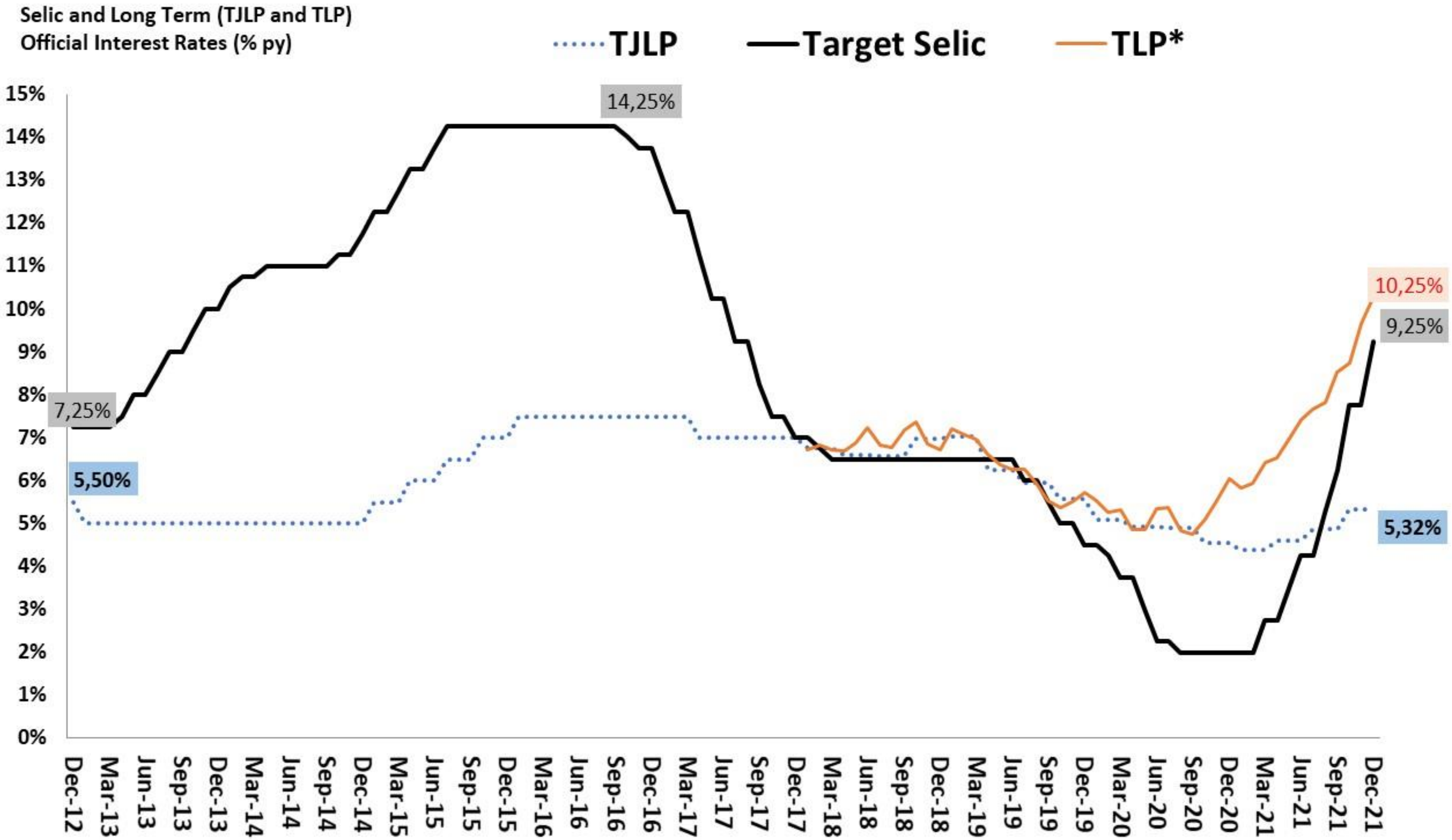
Source: IBGE and Central Bank of Brazil. *Forecast: Macroeconomic Parameters, November-2021.

Total Credit: Earmarked and Non-earmarkerd Resources



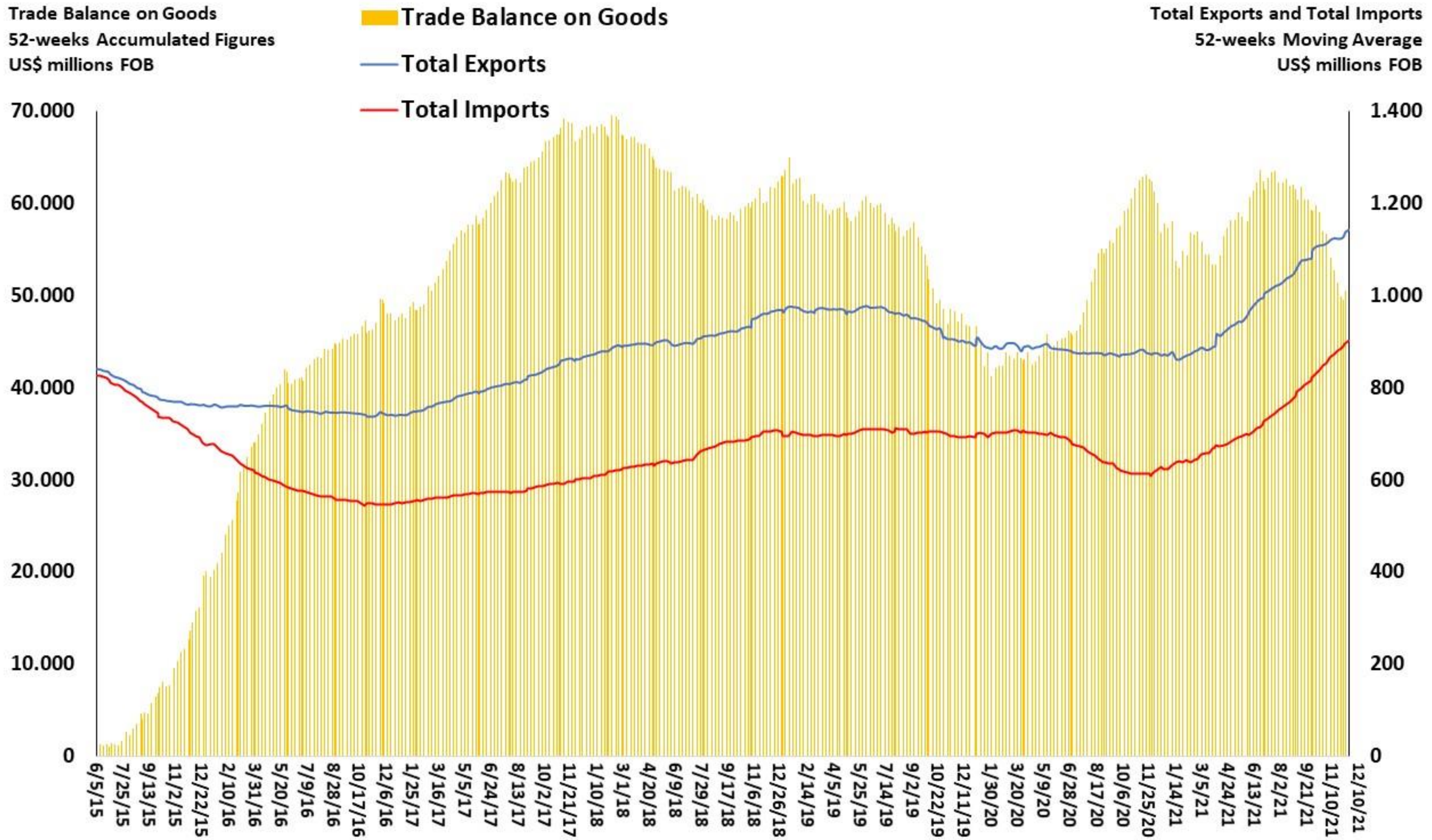
Source: Central Bank of Brazil.

Official Interest Rates Evolution (Target Selic and TJLP)



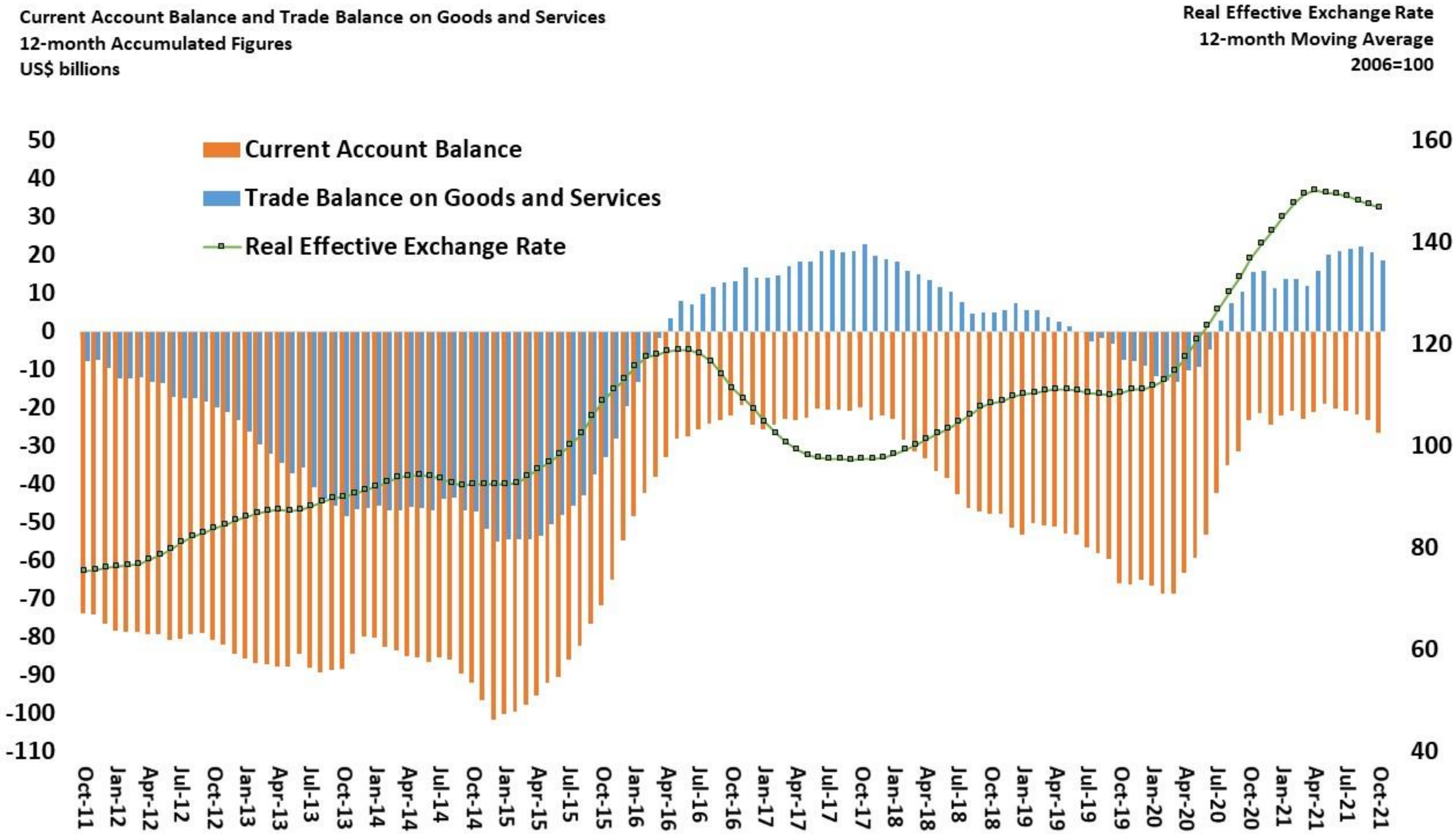
Source: Central Bank of Brazil. *TLP is 3-Month average of 5-Year NTN-B bonds plus IPCA Market Expectation (Focus Survey by BCB).

Trade Balance on Goods (52 weeks daily average)



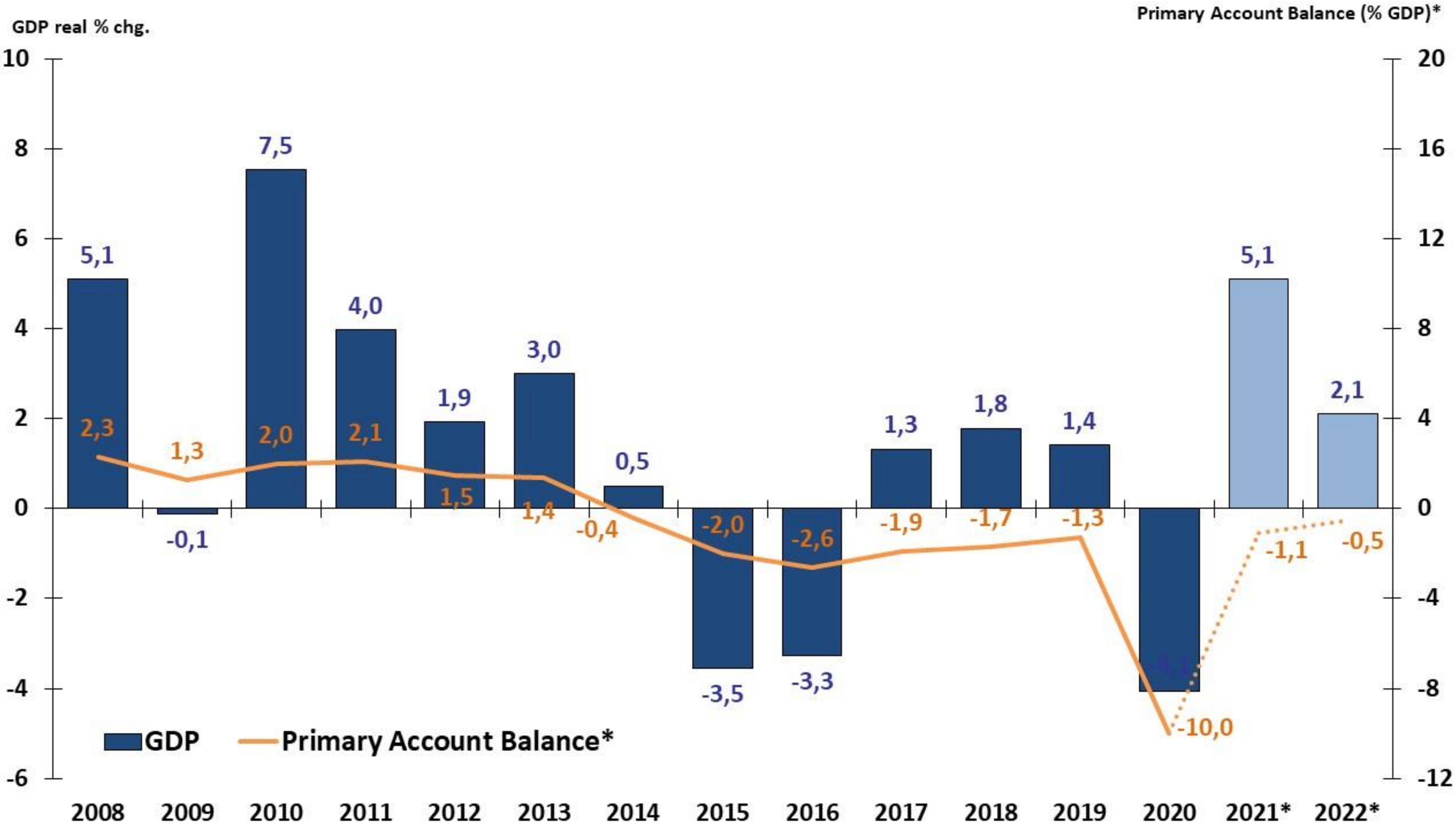
Source: SECEX.

Brazil: Real Exchange Rate and External Sector Adjustment



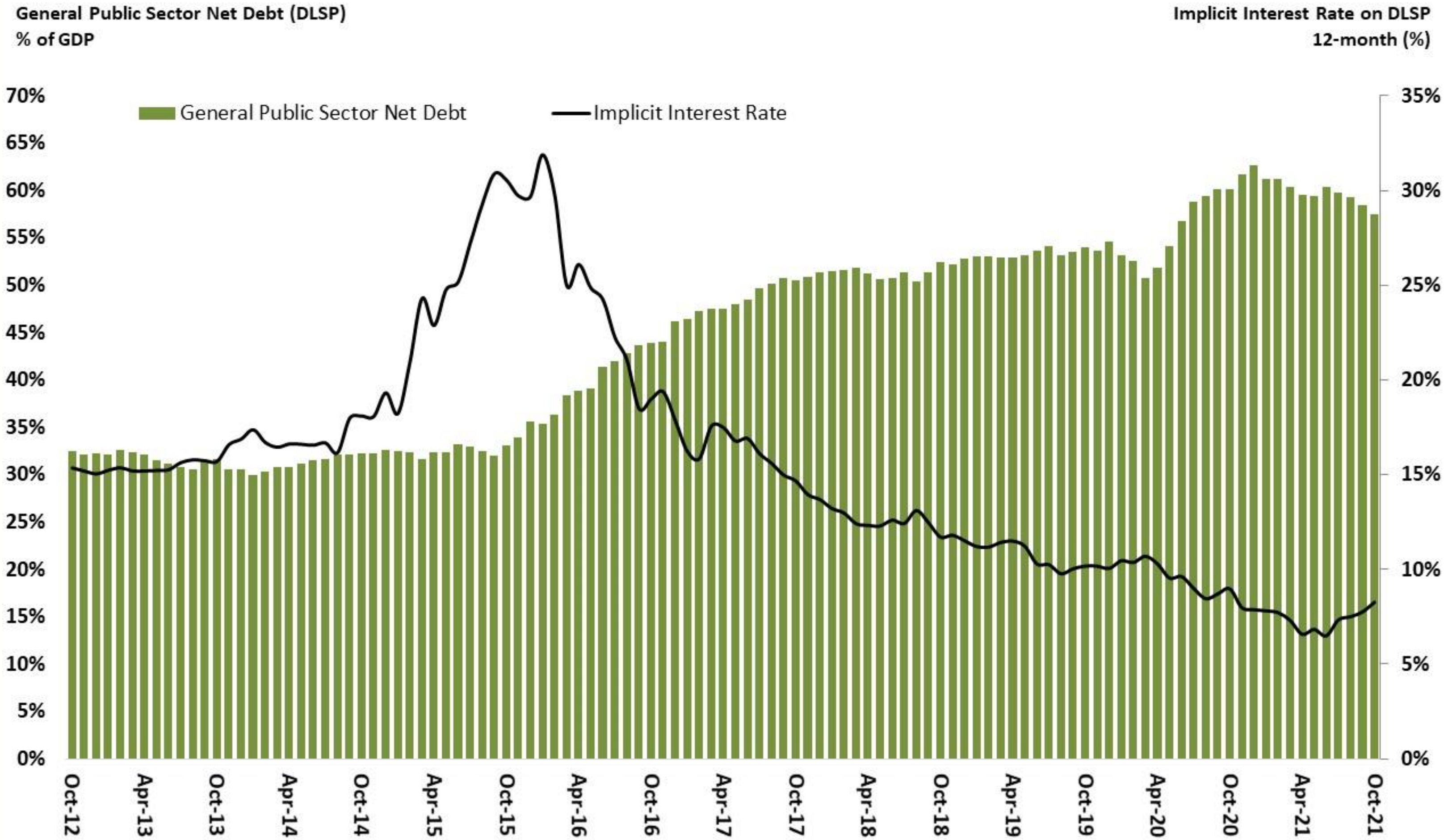
Source: Central Bank of Brazil.

Fiscal Adjustment and Economic Recovery



Source: IBGE, STN and Central Bank of Brazil. Primary Accout Balance of Federal Government.
* Annex IV-Fiscal Targets of 2021 Budgetary Guidelines Law 2021 and 2022; and Macroeconomic Projections from SPE, November/2021.

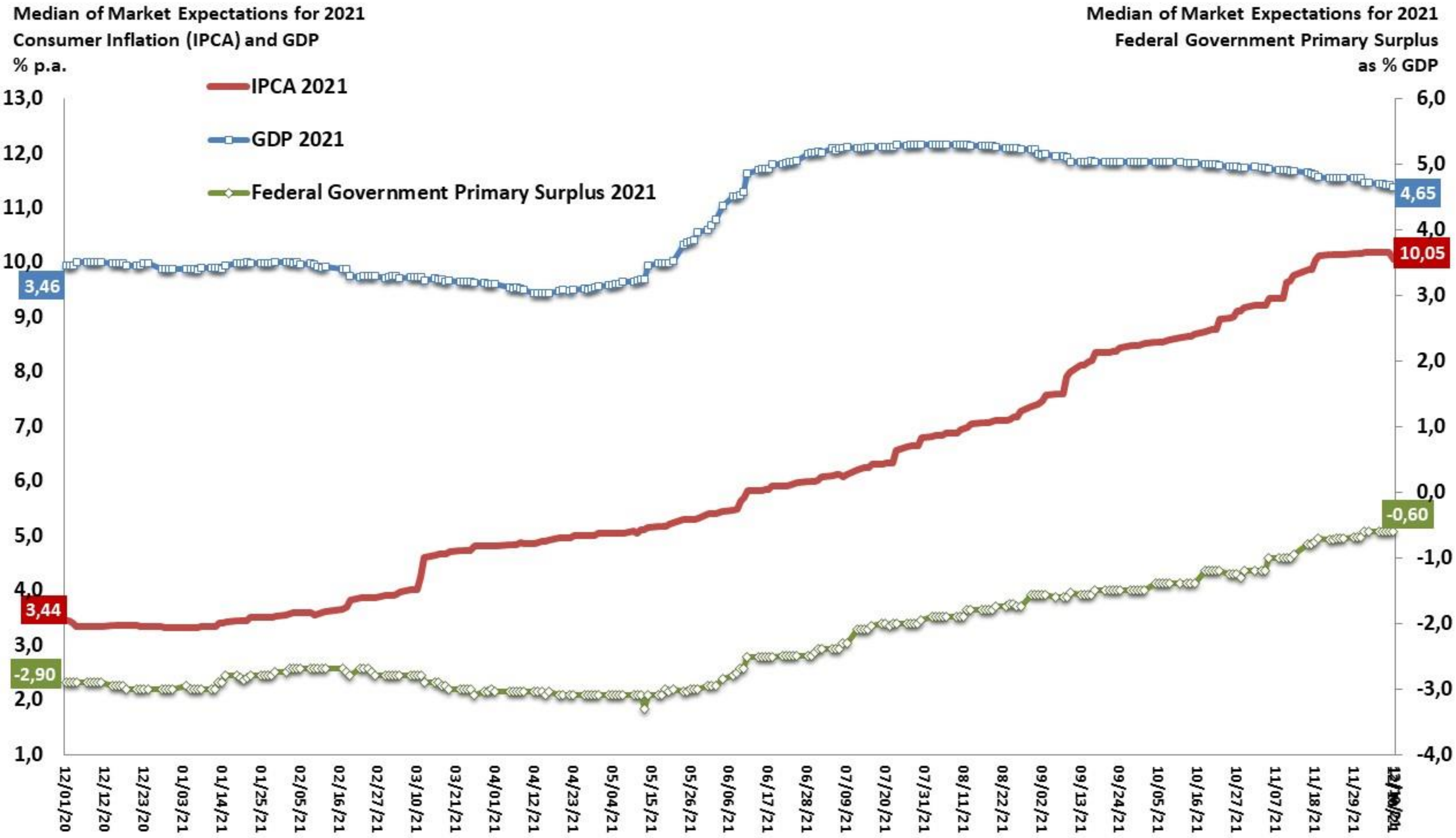
Public Sector Net Debt (as % GDP)



Source: Central Bank of Brazil.

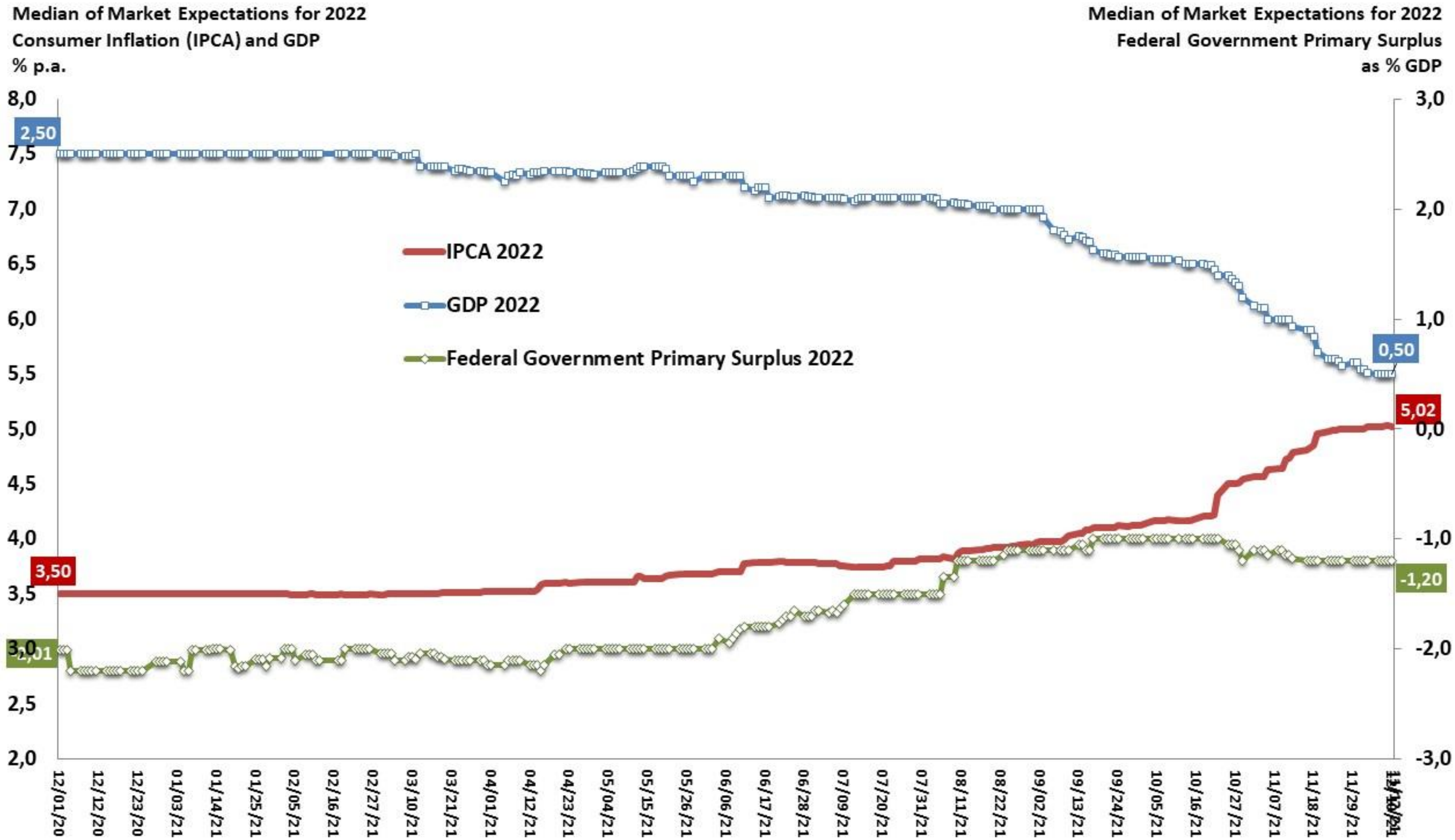
Market Expectations

Market Expectations for 2021



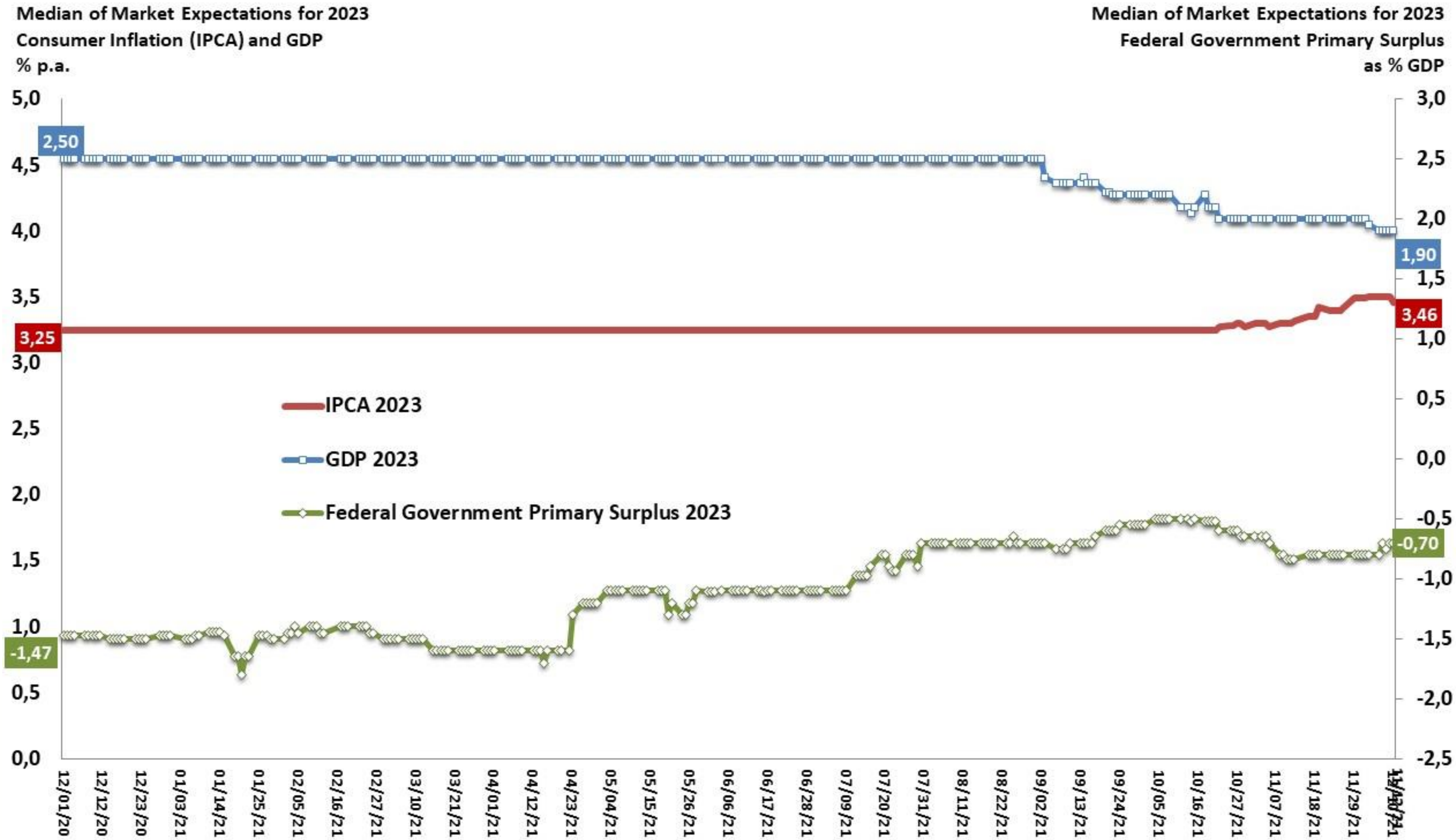
Source: Focus Survey, Central Bank of Brazil.

Market Expectations for 2022



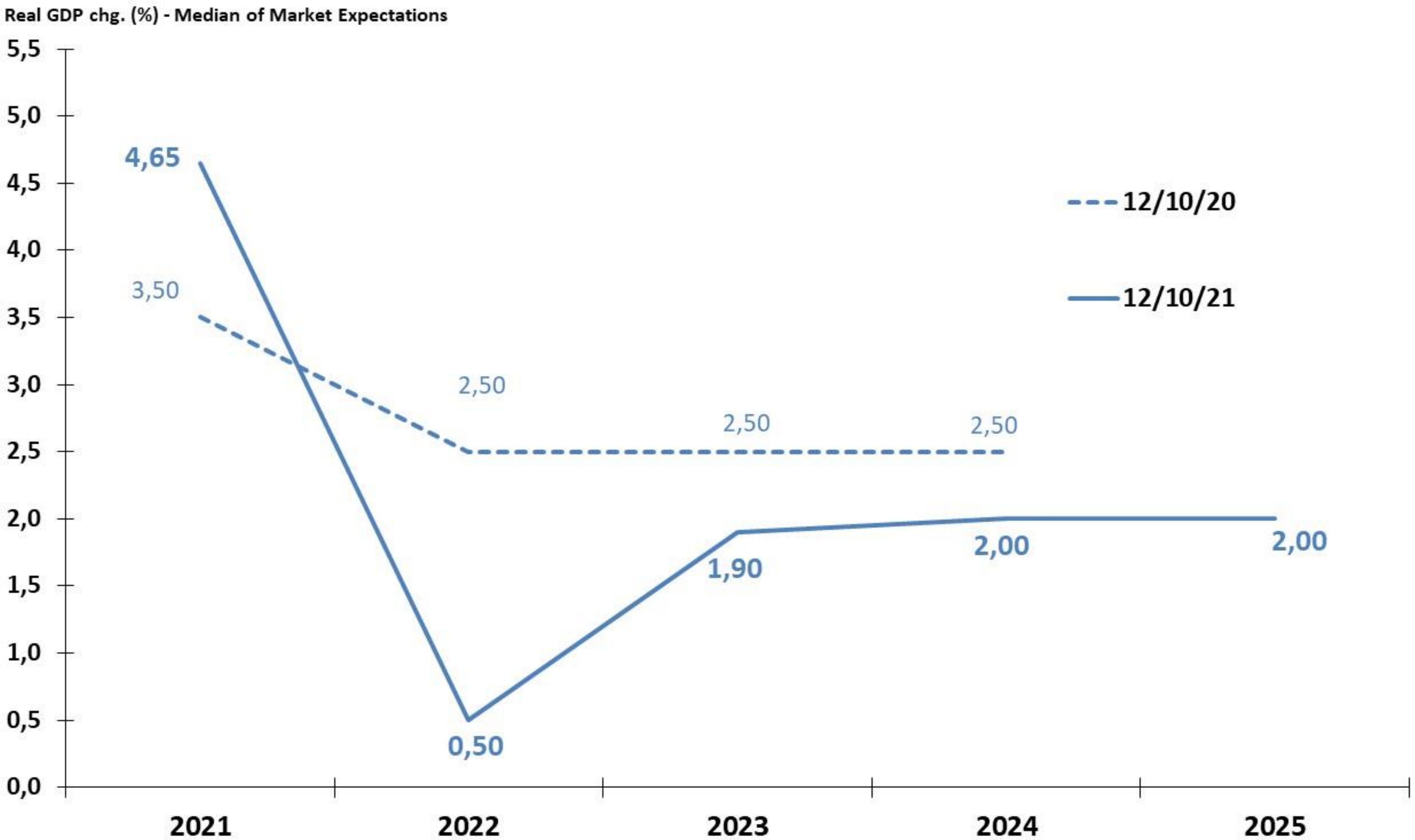
Source: Focus Survey, Central Bank of Brazil.

Market Expectations for 2023



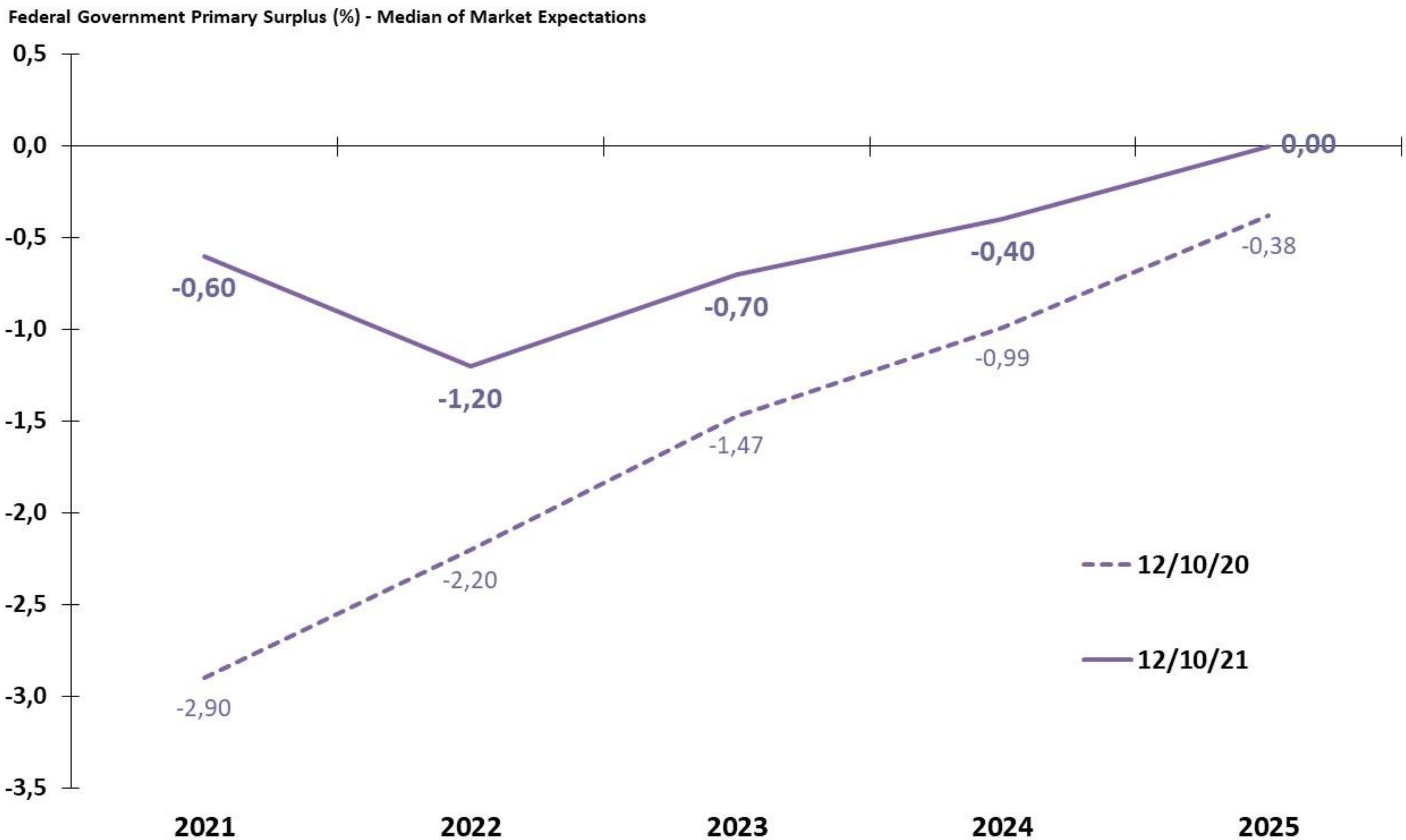
Source: Focus Survey, Central Bank of Brazil.

GDP: Median of Market Expectations



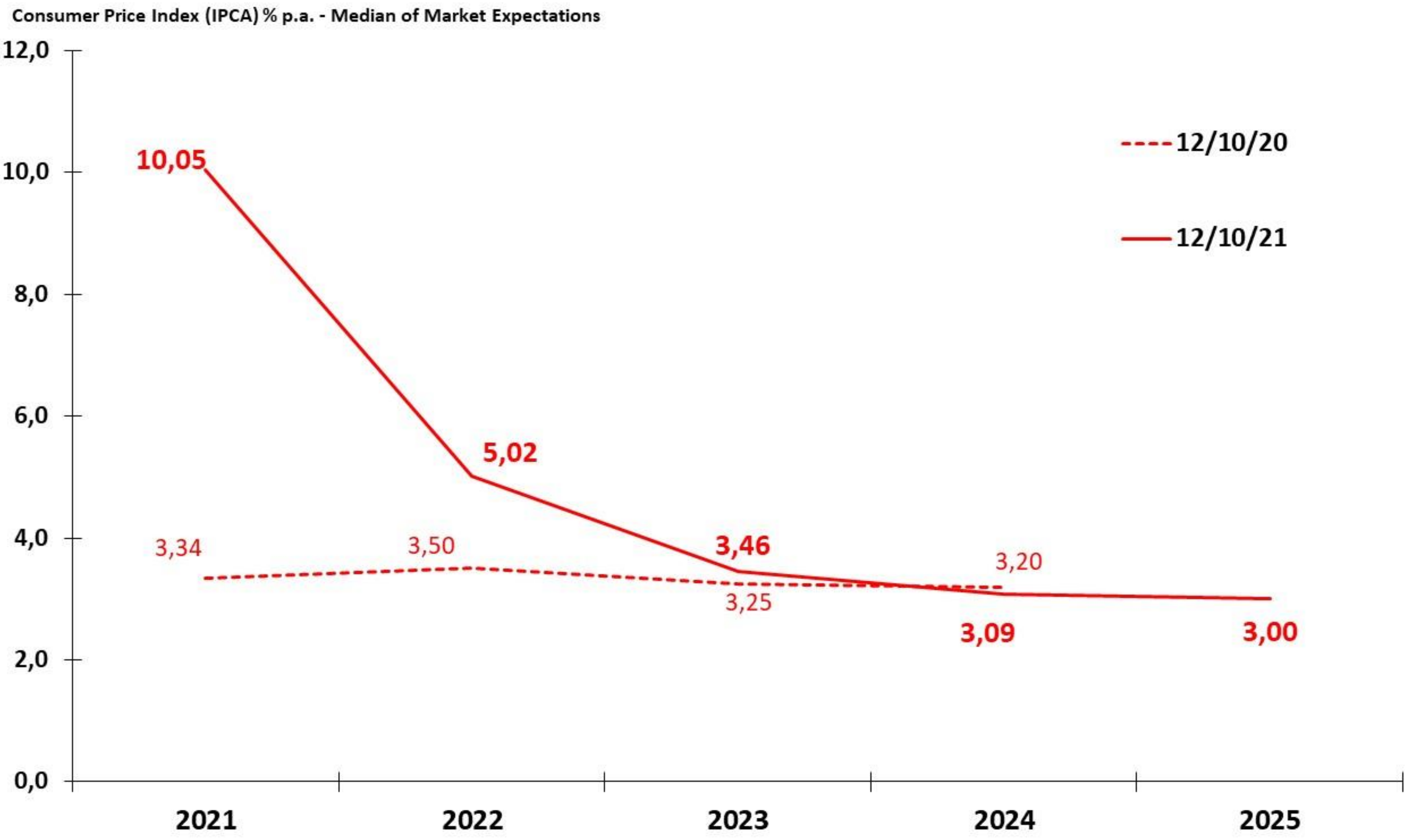
Source: Focus Survey, Central Bank of Brazil.

Primary Surplus: Median of Market Expectations



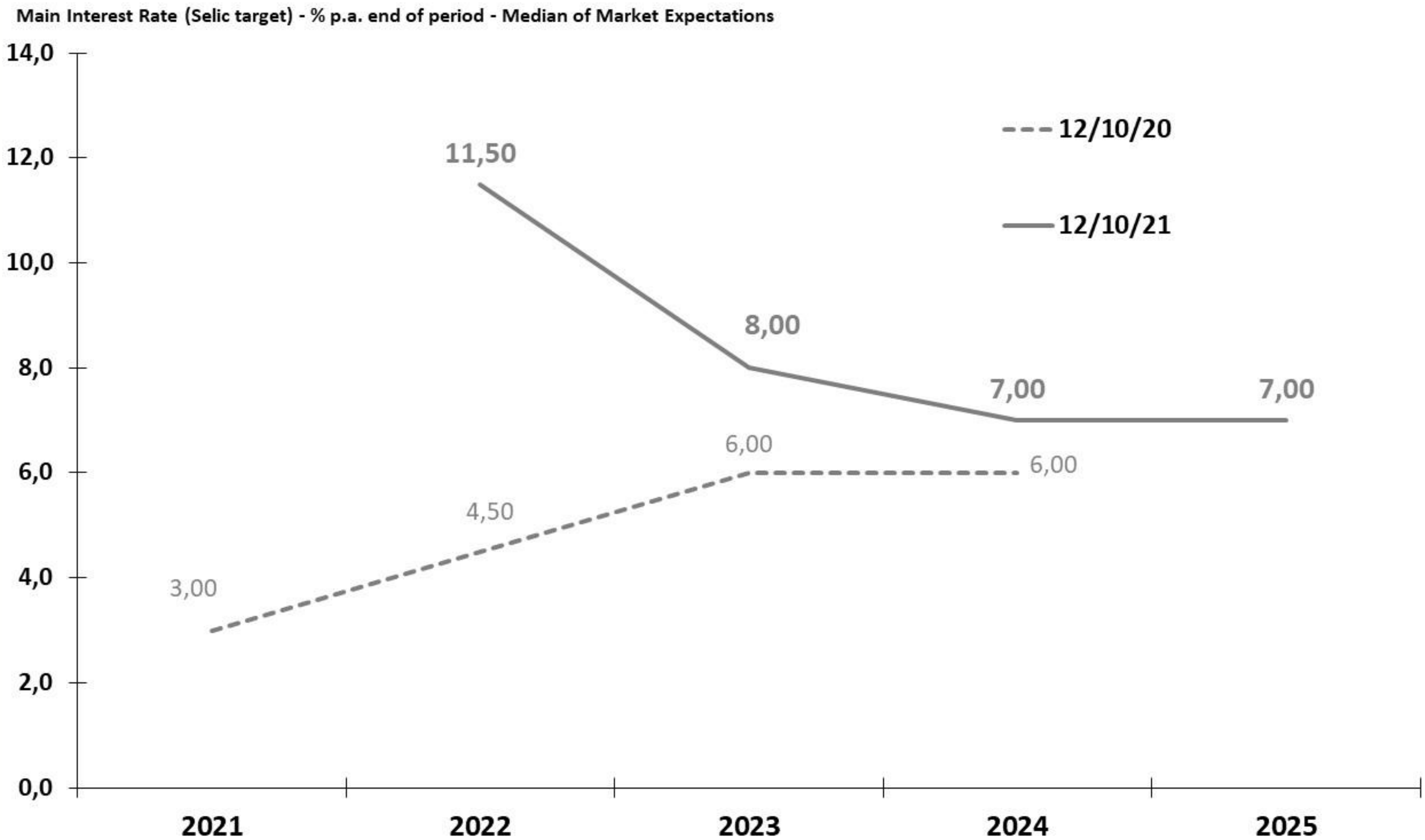
Source: Focus Survey, Central Bank of Brazil.

Consumer Price Index (IPCA): Median of Market Expectations



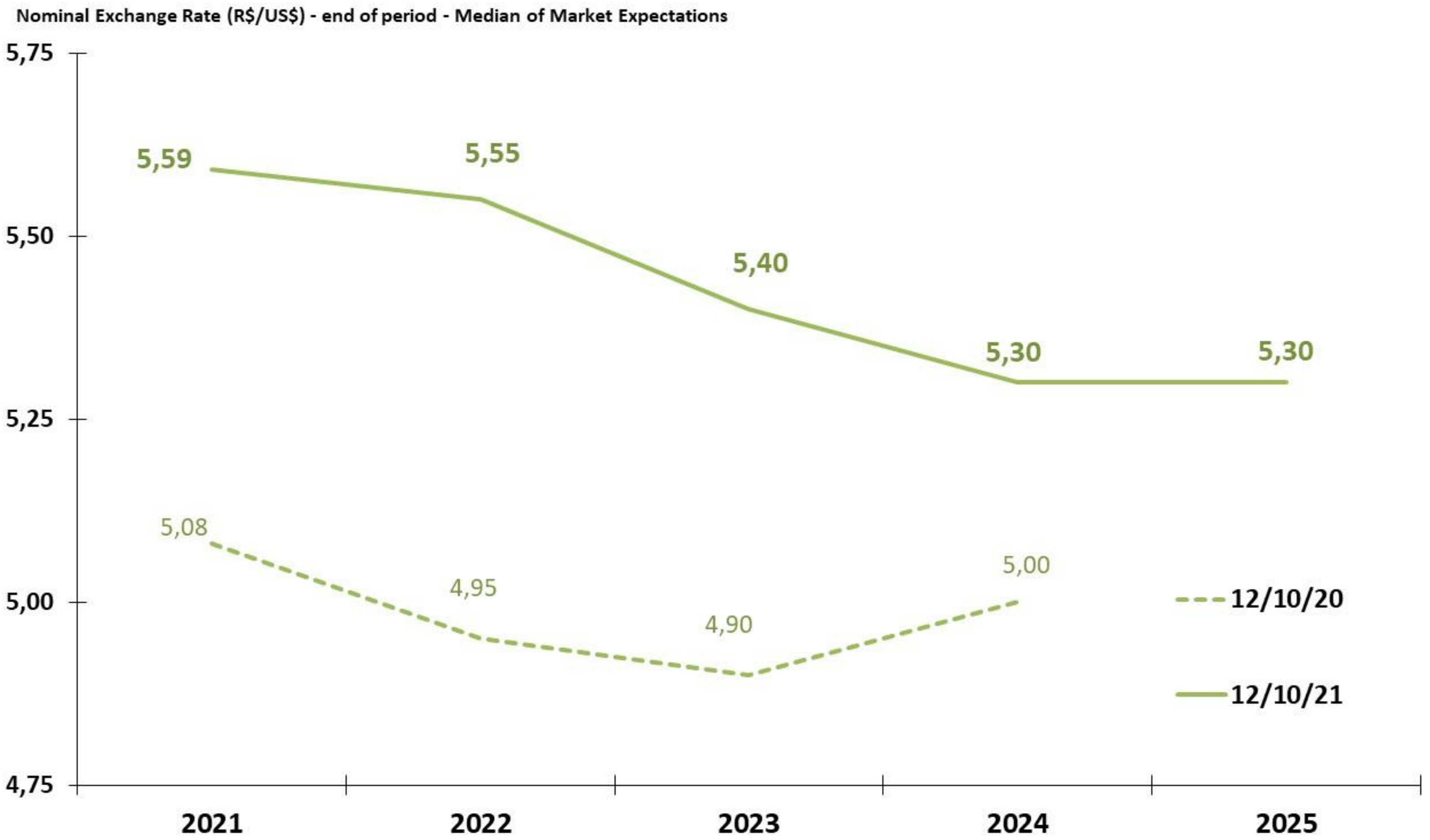
Source: Focus Survey, Central Bank of Brazil.

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



Source: Focus Survey, Central Bank of Brazil.

Nominal Exchange Rate: Median of Market Expectations



Source: Focus Survey, Central Bank of Brazil.

Economic activity

GDP and Quarterly Economic Activity

											BCB/Focus: 12/10/21		
Gross Domestic Product (IBGE) Q3 2021 % change	2019	2020	Q2 2021 / Q2 2020	Q3 2021 / Q3 2020	Q2 2021 / Q1 2021 (seasonally adjusted)	Q3 2021 / Q2 2021 (seasonally adjusted)	Year-To-Date	Q2 2021 accum. in 4-quarters	Q3 2021 accum. in 4-quarters	carry-over 2021	2021	2022	2023
Agriculture	0.4%	3.8%	0.1%	-9.0%	-2.9%	-8.0%	-0.1%	2.7%	0.2%	-2.5%	1.20%	2.90%	2.59%
Industry	-0.7%	-3.4%	16.6%	1.3%	-0.5%	0.0%	6.5%	4.6%	5.1%	4.9%	4.80%	0.28%	2.07%
Services	1.5%	-4.3%	11.0%	5.8%	0.6%	1.1%	5.2%	0.6%	3.3%	4.9%	4.70%	0.60%	1.90%
GDP (market prices)	**1.2%**	**-3.9%**	**12.3%**	**4.0%**	**-0.4%**	**-0.1%**	**5.7%**	**1.9%**	**3.9%**	**4.8%**	**4.65%**	**0.50%**	**1.90%**
Household Expenditure	2.6%	-5.4%	10.5%	4.2%	-0.2%	0.9%	4.1%	-0.5%	2.1%	3.7%	4.48%	1.86%	2.20%
Government Expenditure	-0.5%	-4.5%	5.8%	3.5%	0.9%	0.8%	1.7%	-1.8%	0.4%	1.6%	0.75%	0.75%	1.20%
Gross Fixed Capital Formation	4.0%	-0.5%	33.1%	18.8%	-3.0%	-0.1%	22.7%	13.0%	20.2%	17.7%	16.30%	1.85%	2.80%
Exports of Goods and Services	-2.6%	-1.8%	14.2%	4.0%	13.7%	-9.8%	6.6%	2.5%	3.8%	6.9%	8.42%	3.60%	3.00%
Imports of Goods and Services (-)	1.3%	-9.8%	20.3%	20.6%	-1.3%	-8.3%	15.6%	-1.8%	10.3%	12.2%	12.32%	3.10%	5.05%
Economic Activity Indicators (BCB and IBGE) Q3 2021 % change	2019	2020	Q2 2021 / Q2 2020	Q3 2021 / Q3 2020	Q2 2021 / Q1 2021 (seasonally adjusted)	Q3 2021 / Q2 2021 (seasonally adjusted)	Year-To-Date	Q2 2021 accum. in 4-quarters	Q3 2021 accum. in 4-quarters	carry-over 2021			
IBC-Br Economic Activity Index*	**1.0%**	**-4.0%**	**13.4%**	**3.3%**	**-0.5%**	**-0.6%**	**4.4%**	**2.3%**	**4.1%**	**4.4%**			
LSPA: Grain Harvest	6.2%	4.8%	4.8%	6.7%	0.5%	4.2%	4.8%	4.8%	6.7%	3.3%			
PIM: Industrial Production	-1.1%	-4.4%	4.3%	22.7%	-0.7%	-2.9%	9.4%	-3.1%	6.6%	4.3%			
PMC: Amplified Retail Sales	3.9%	-1.4%	1.4%	24.8%	-3.5%	2.6%	9.2%	-1.1%	7.9%	5.5%			
PMS: Volume of Services	1.0%	-7.8%	-0.8%	21.5%	3.0%	2.0%	4.0%	-8.0%	0.4%	10.8%			

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

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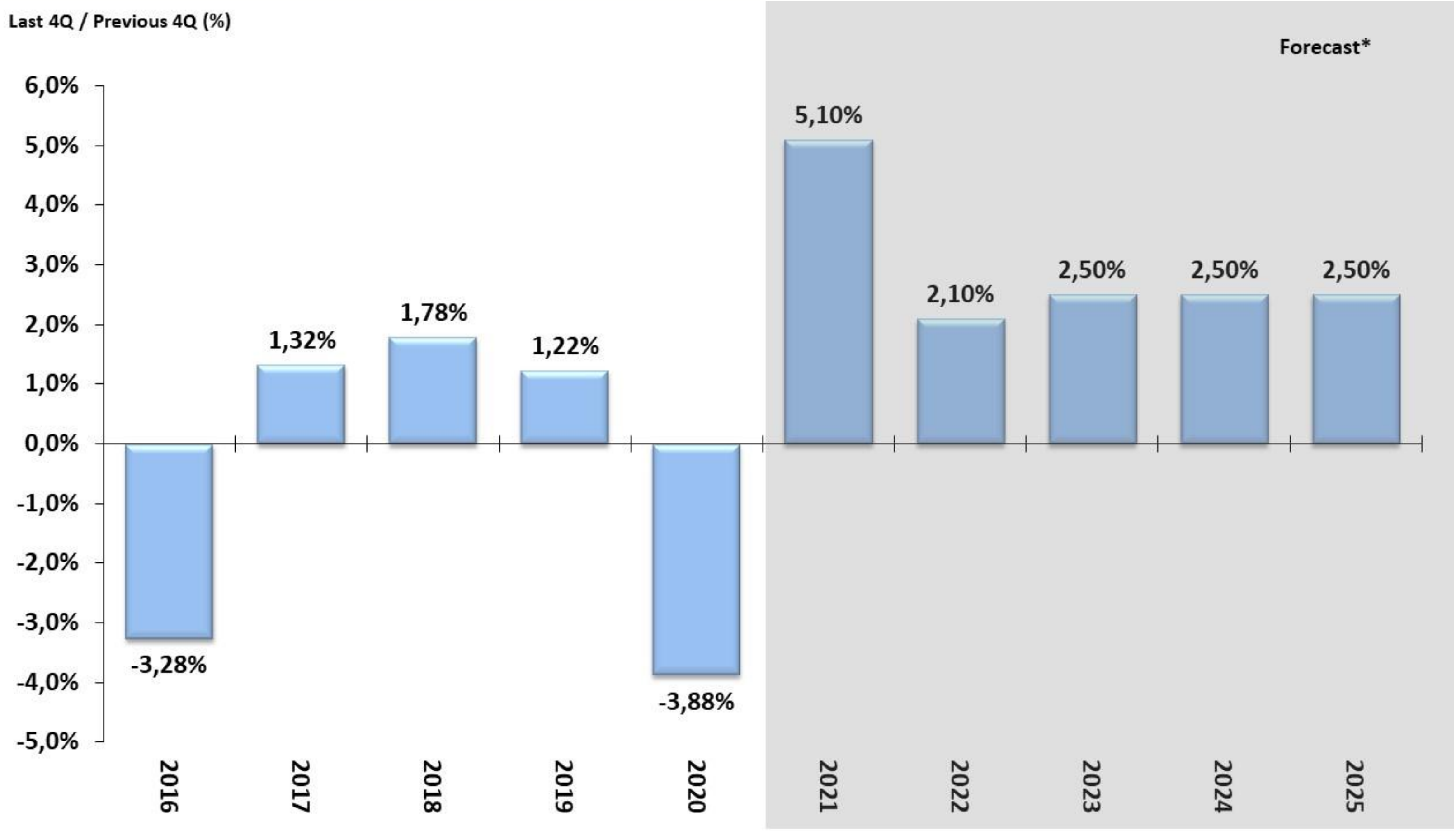
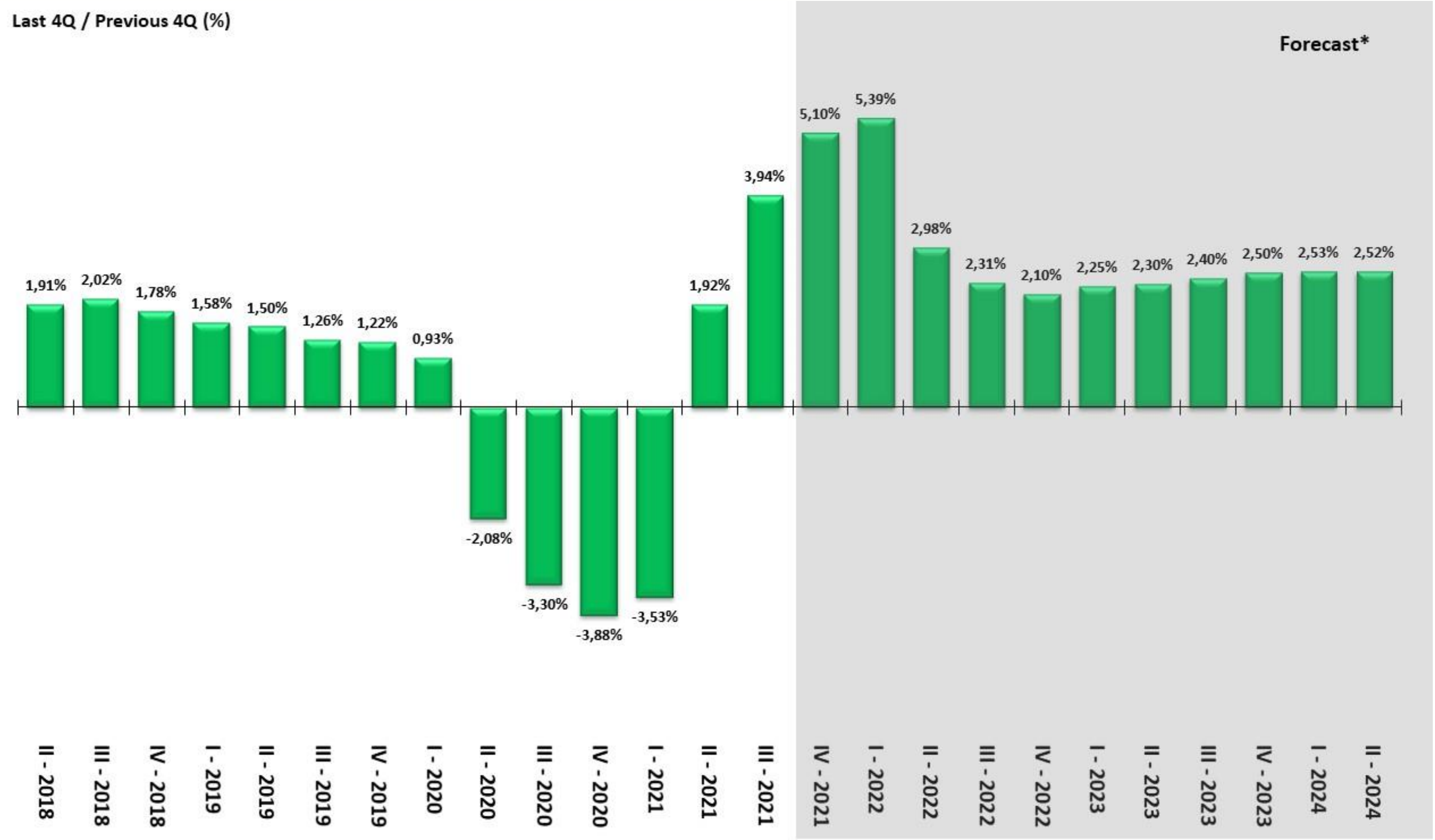
Annual GDP



Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, November-2021.

Quarterly GDP



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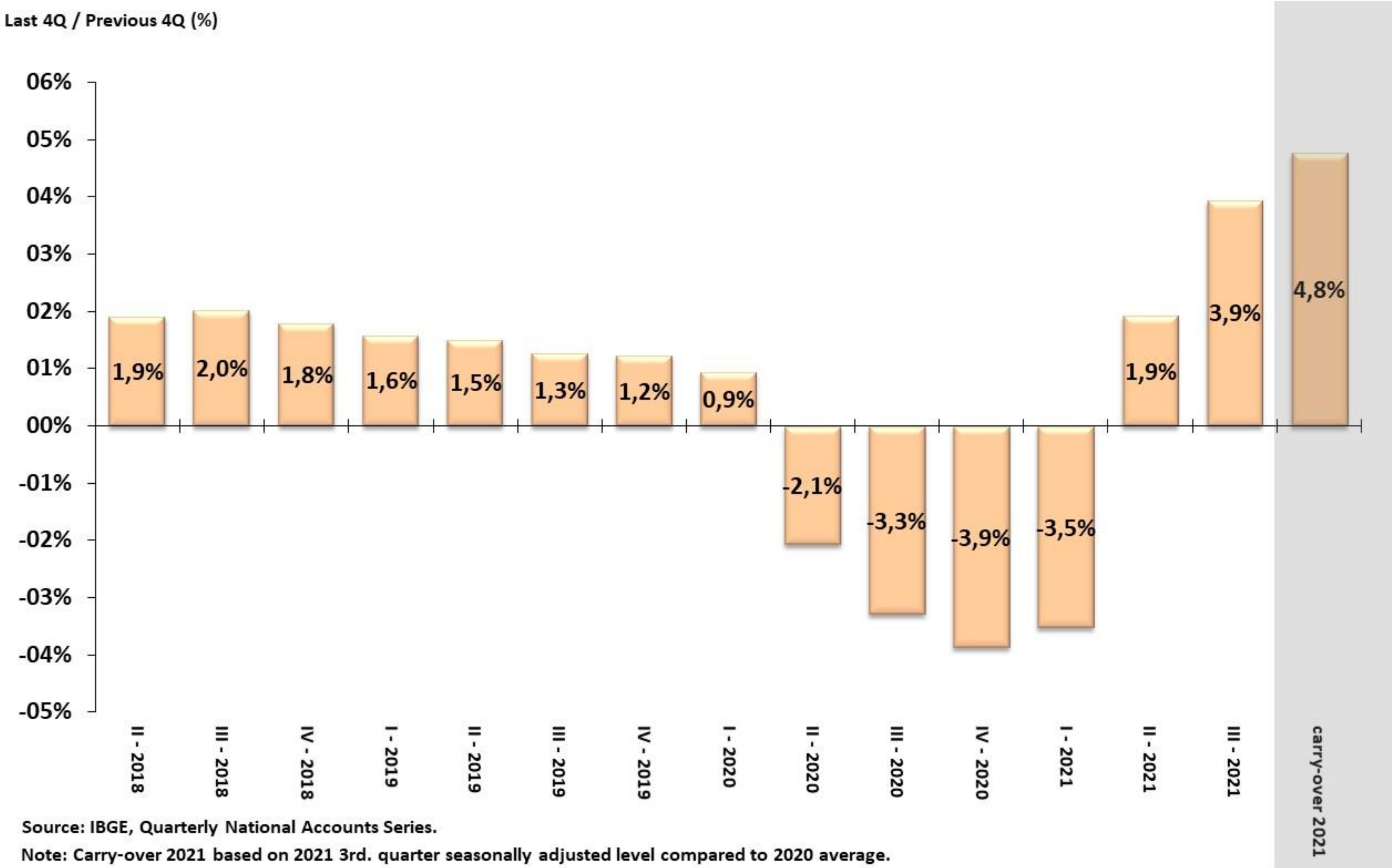
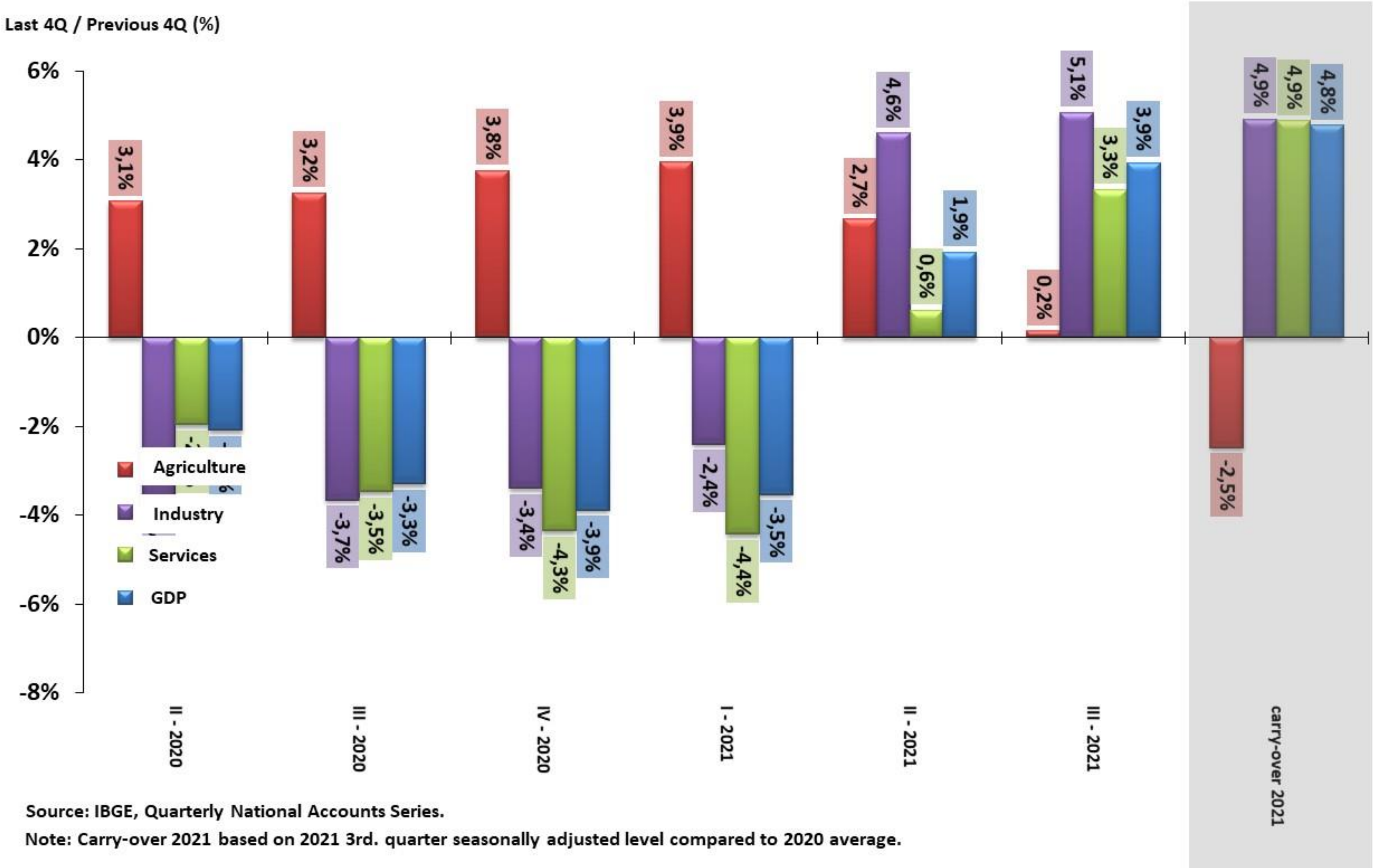


Source: IBGE, Quarterly National Accounts Series.

Note: Carry-over 2021 based on 2021 3rd. quarter seasonally adjusted level compared to 2020 average.

Quarterly GDP by Activity Sector

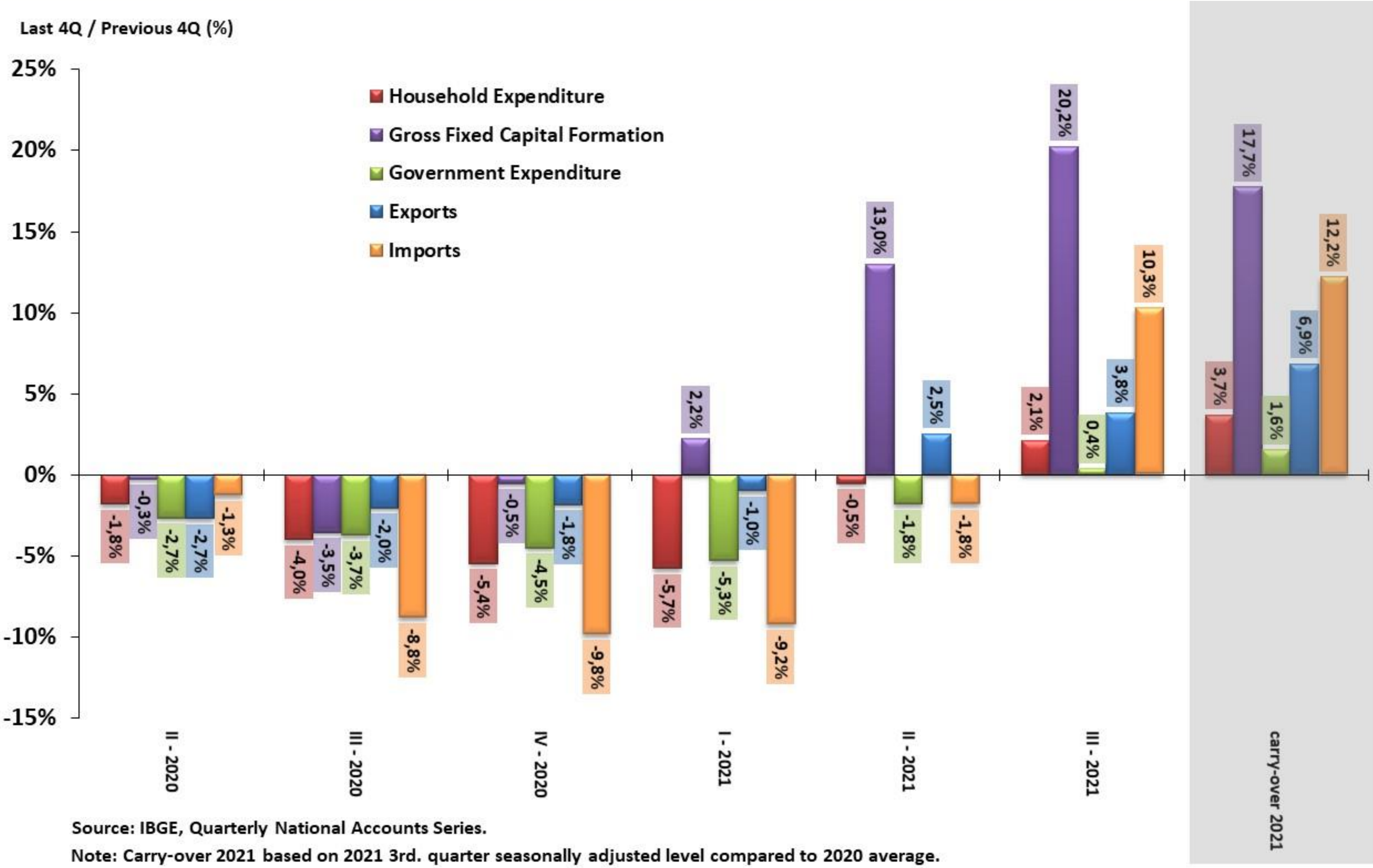


Source: IBGE, Quarterly National Accounts Series.

Note: Carry-over 2021 based on 2021 3rd. quarter seasonally adjusted level compared to 2020 average.

SPE Secretariat for Economic Policy | Ministry of Economy

Quarterly GDP by Expenditure

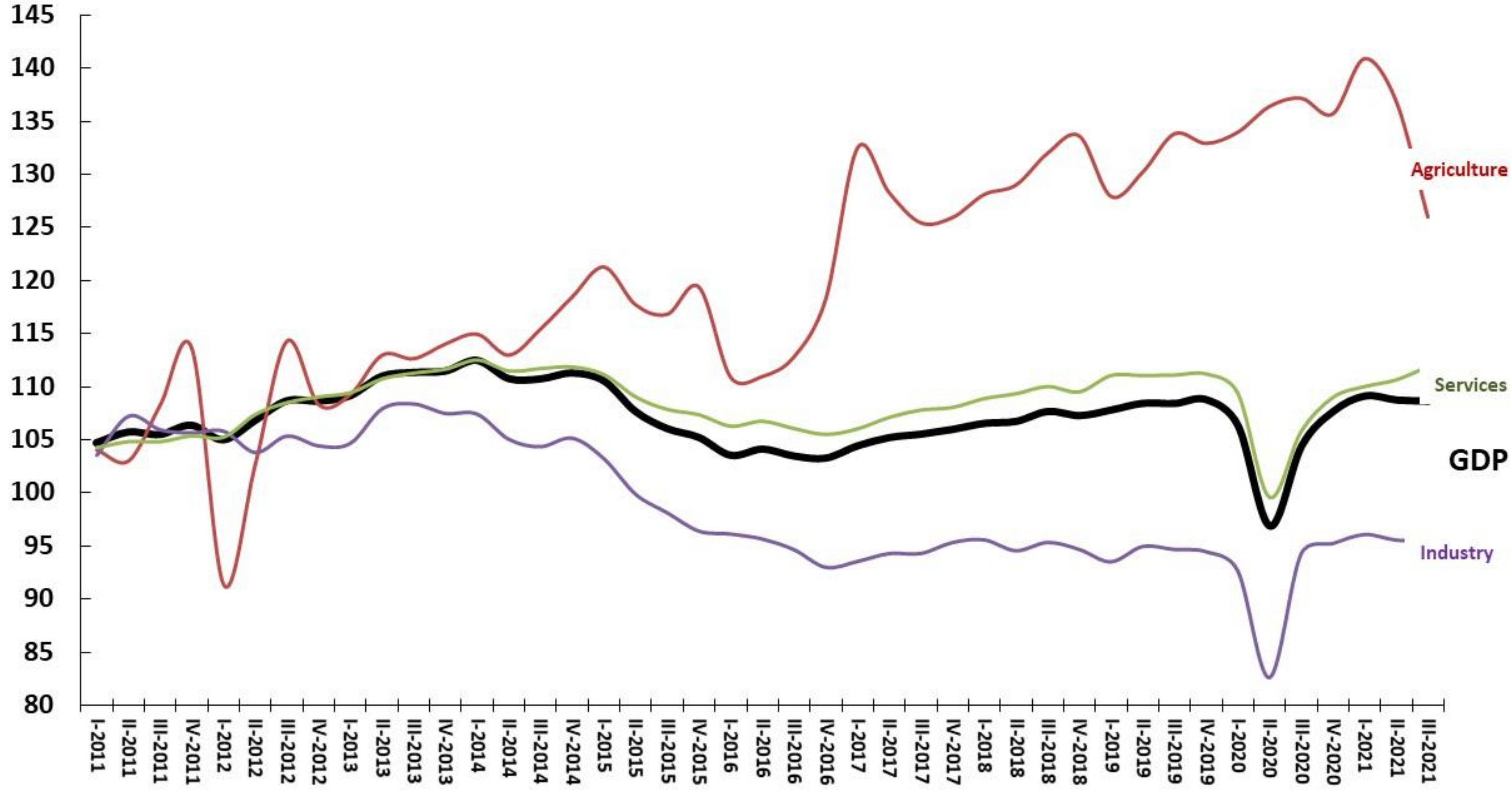


Source: IBGE, Quarterly National Accounts Series.

Note: Carry-over 2021 based on 2021 3rd. quarter seasonally adjusted level compared to 2020 average.

Quarterly GDP by Activity Sector

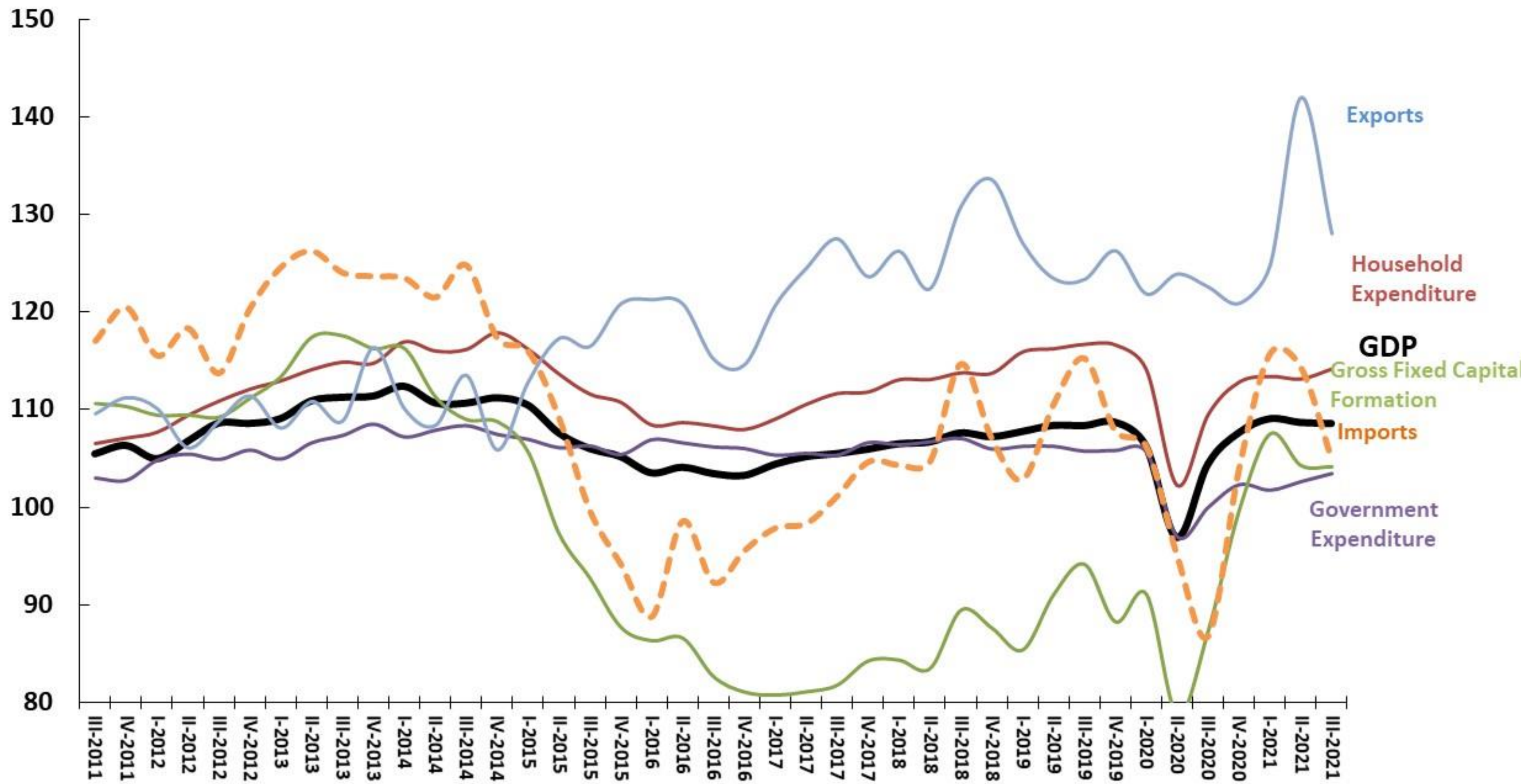
GDP and Economic Sectors Quarterly Volume Indicator
Chained Series of the Seasonally Adjusted Index: 2007=100



Source: IBGE, Quarterly National Accounts Series.

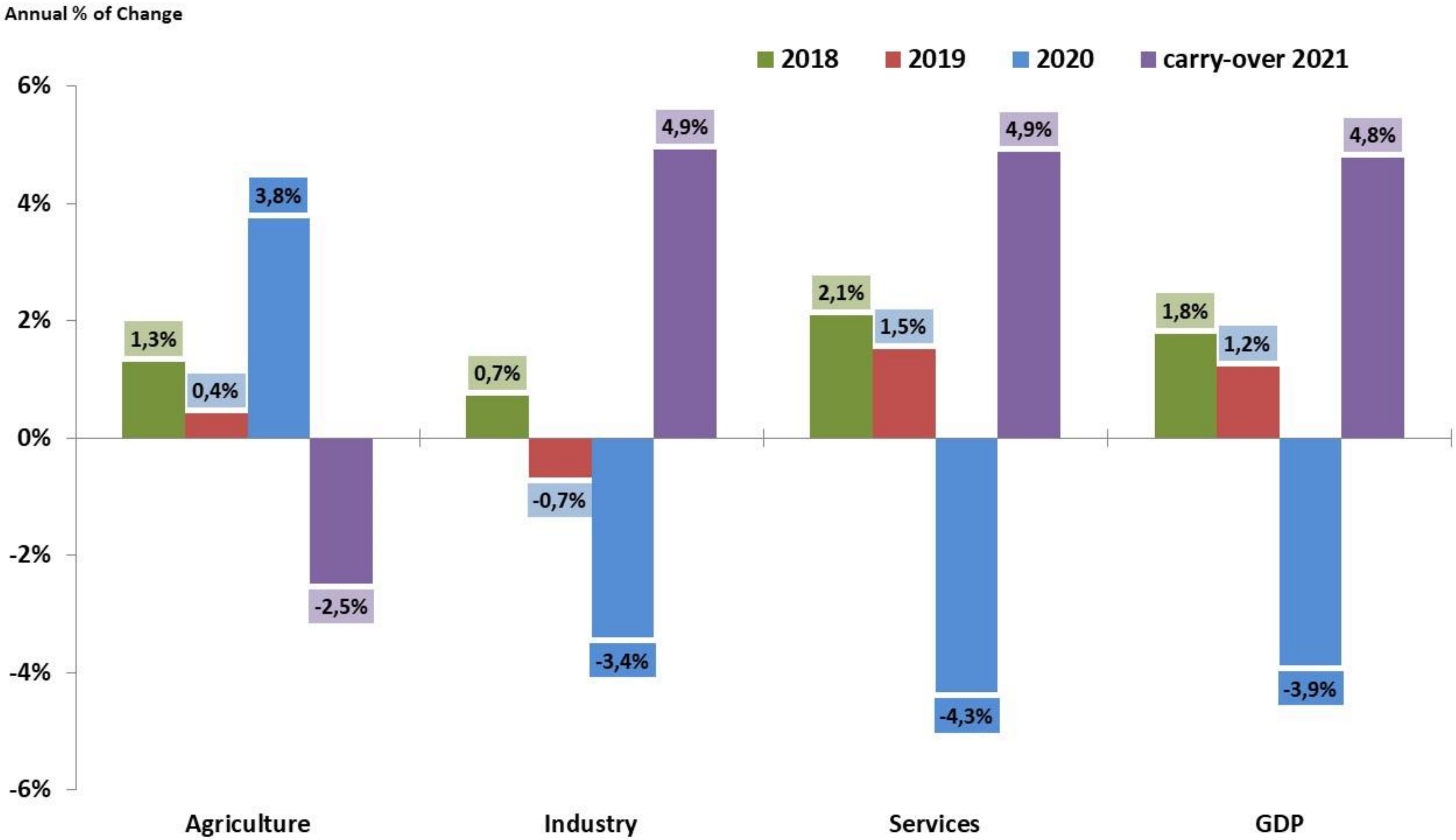
Quarterly GDP by Expenditure

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



Source: IBGE, Quarterly National Accounts Series.

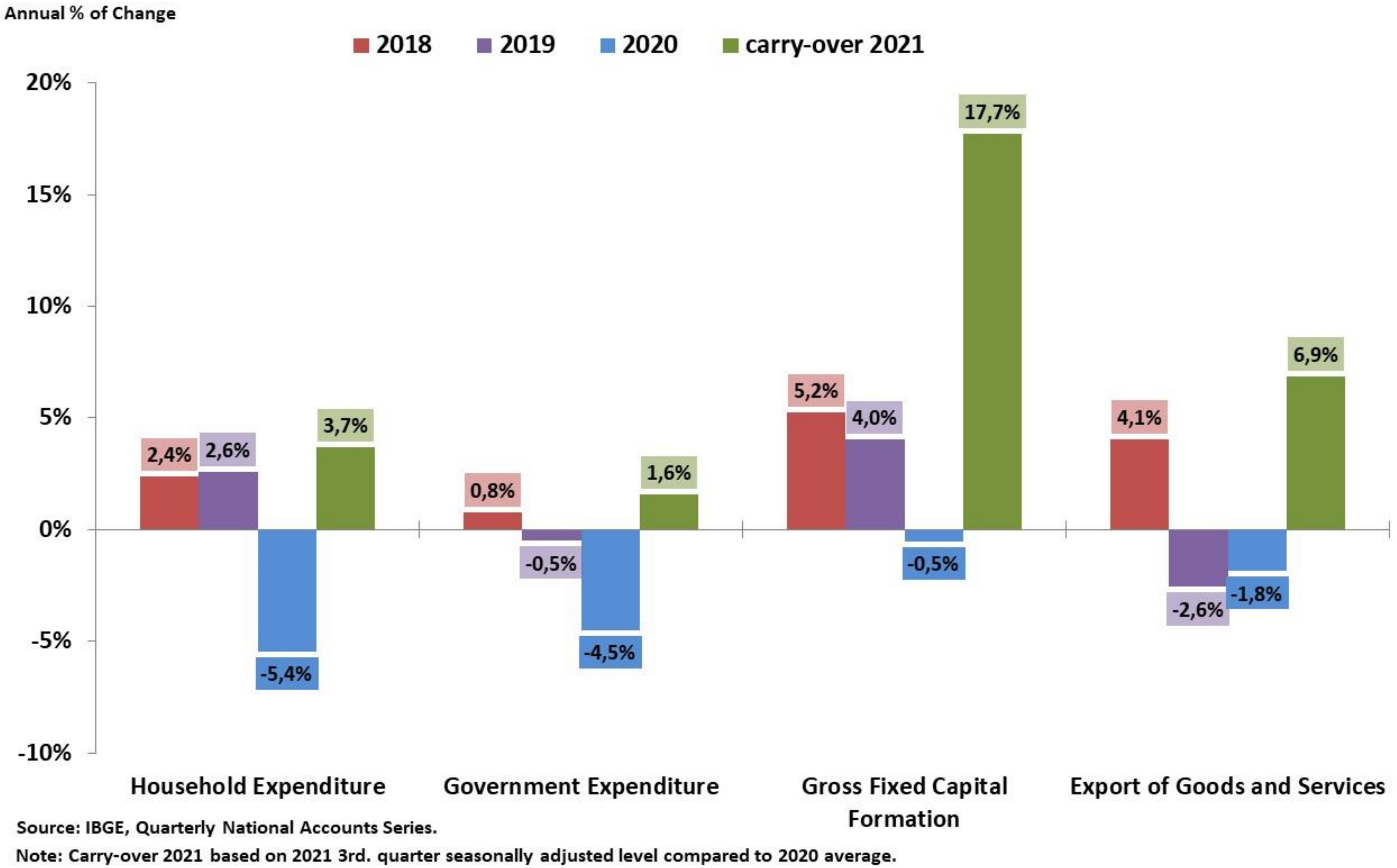
Annual GDP Real Growth by Activity Sector



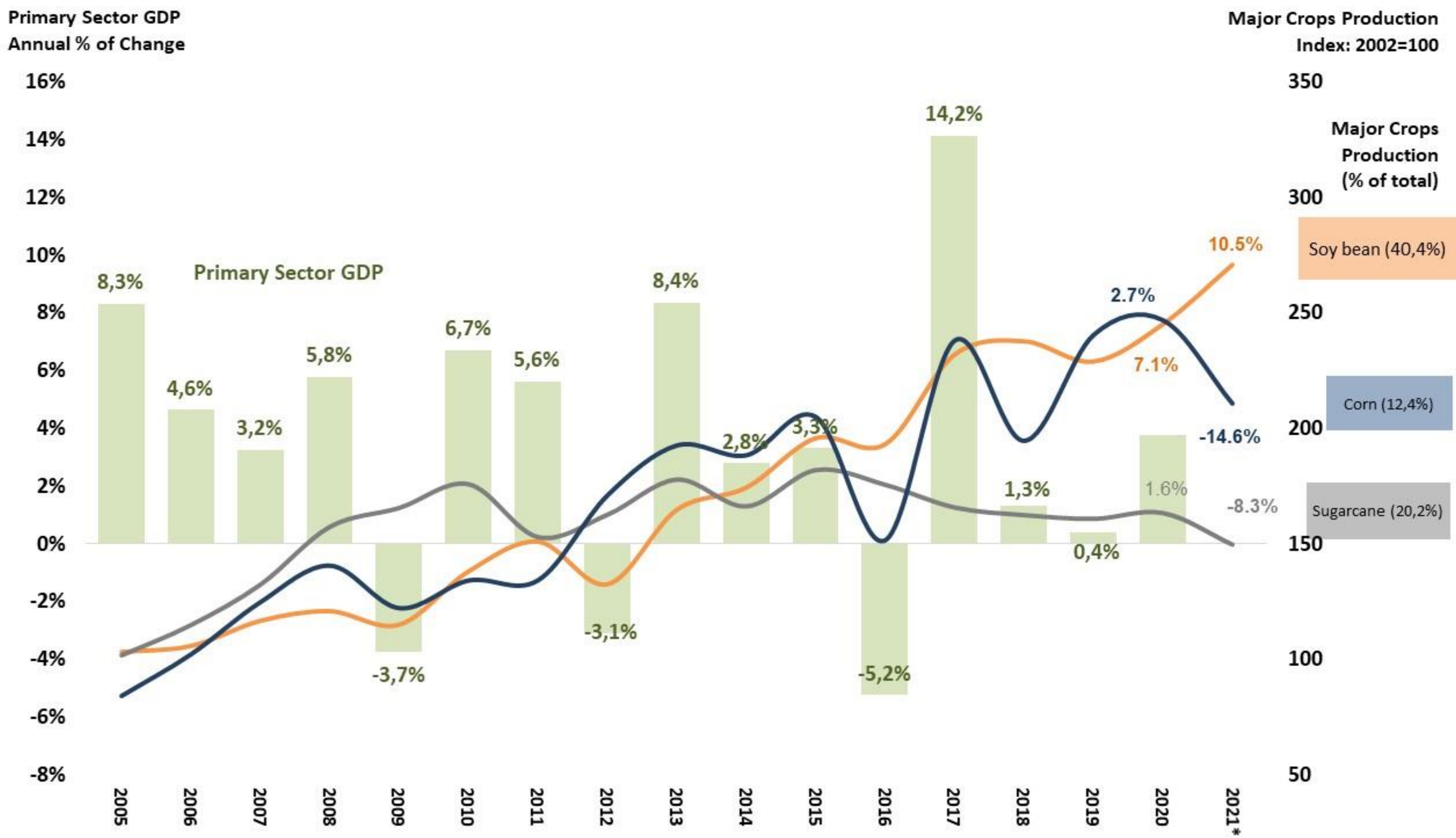
Source: IBGE, Quarterly National Accounts Series.

Note: Carry-over 2021 based on 2021 3rd. quarter seasonally adjusted level compared to 2020 average.

Annual GDP Real Growth by Expenditure



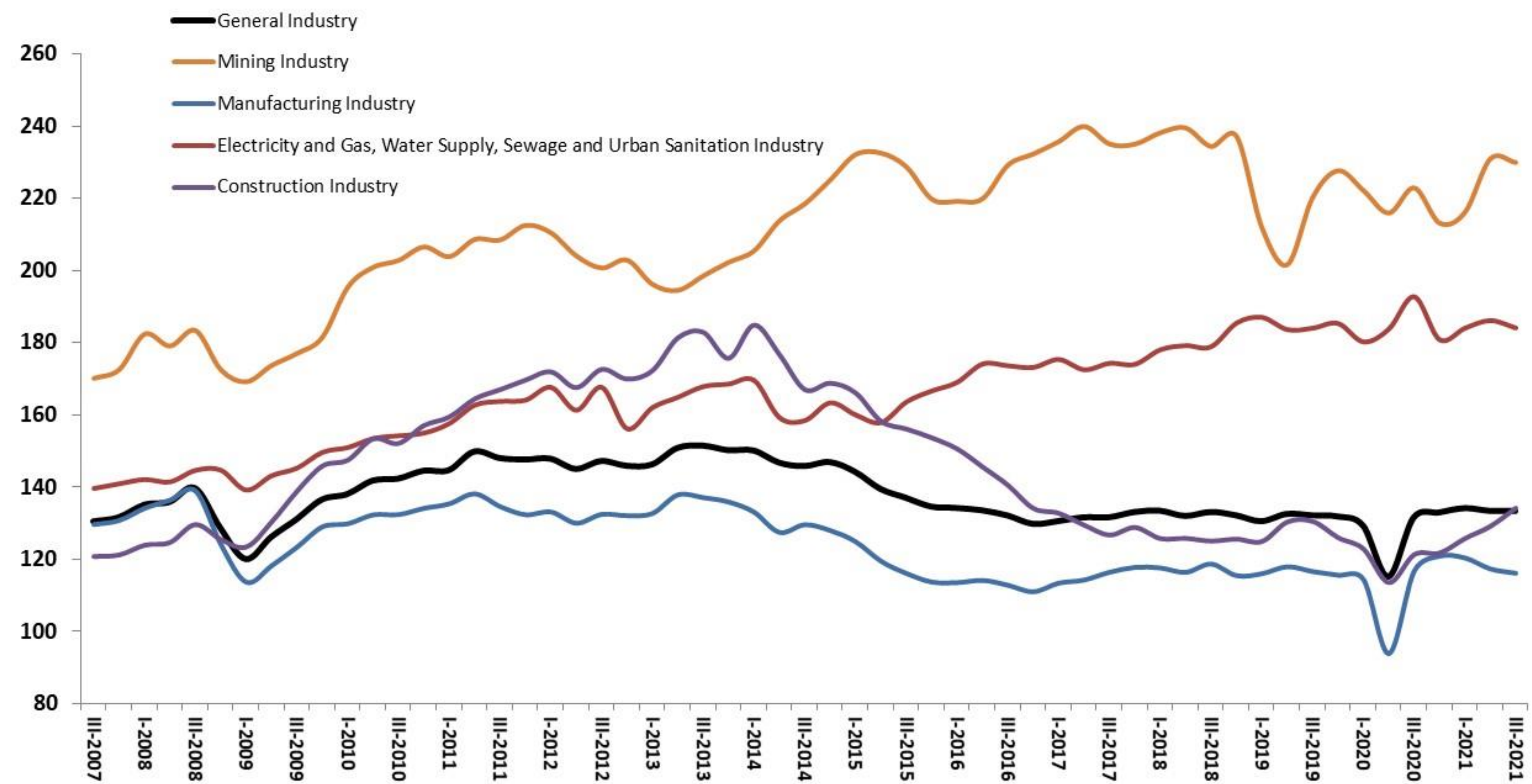
Primary Sector Performance by Major Crops



Source: IBGE, Systematic Survey of Agricultural Production (LSPA) - November/2021.

Industry Performance by Subsectors

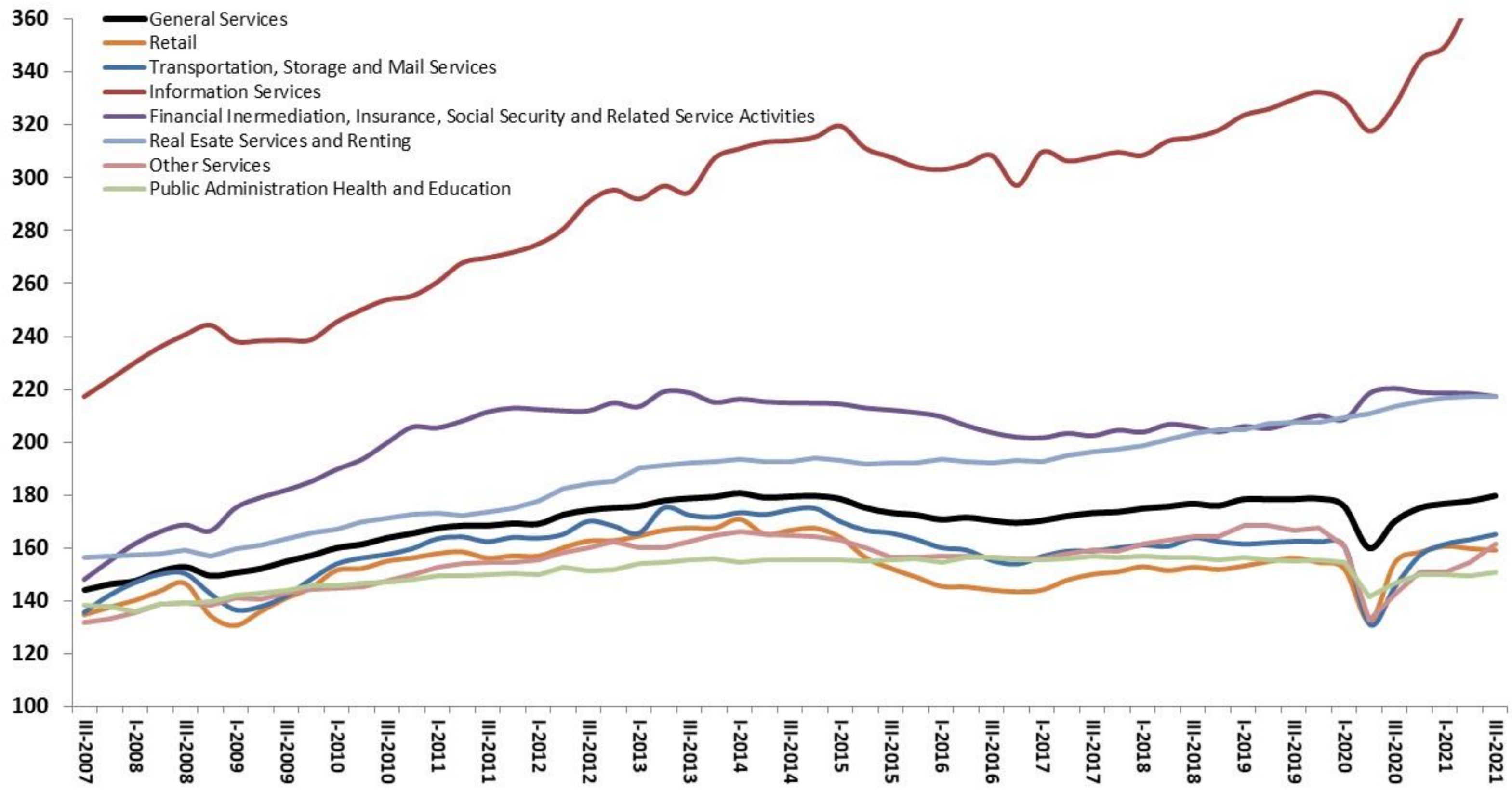
Industrial Production Indicators
Chained Series of the Seasonally Adjusted Index: 1995=100



Source: IBGE, Quarterly National Accounts Series.

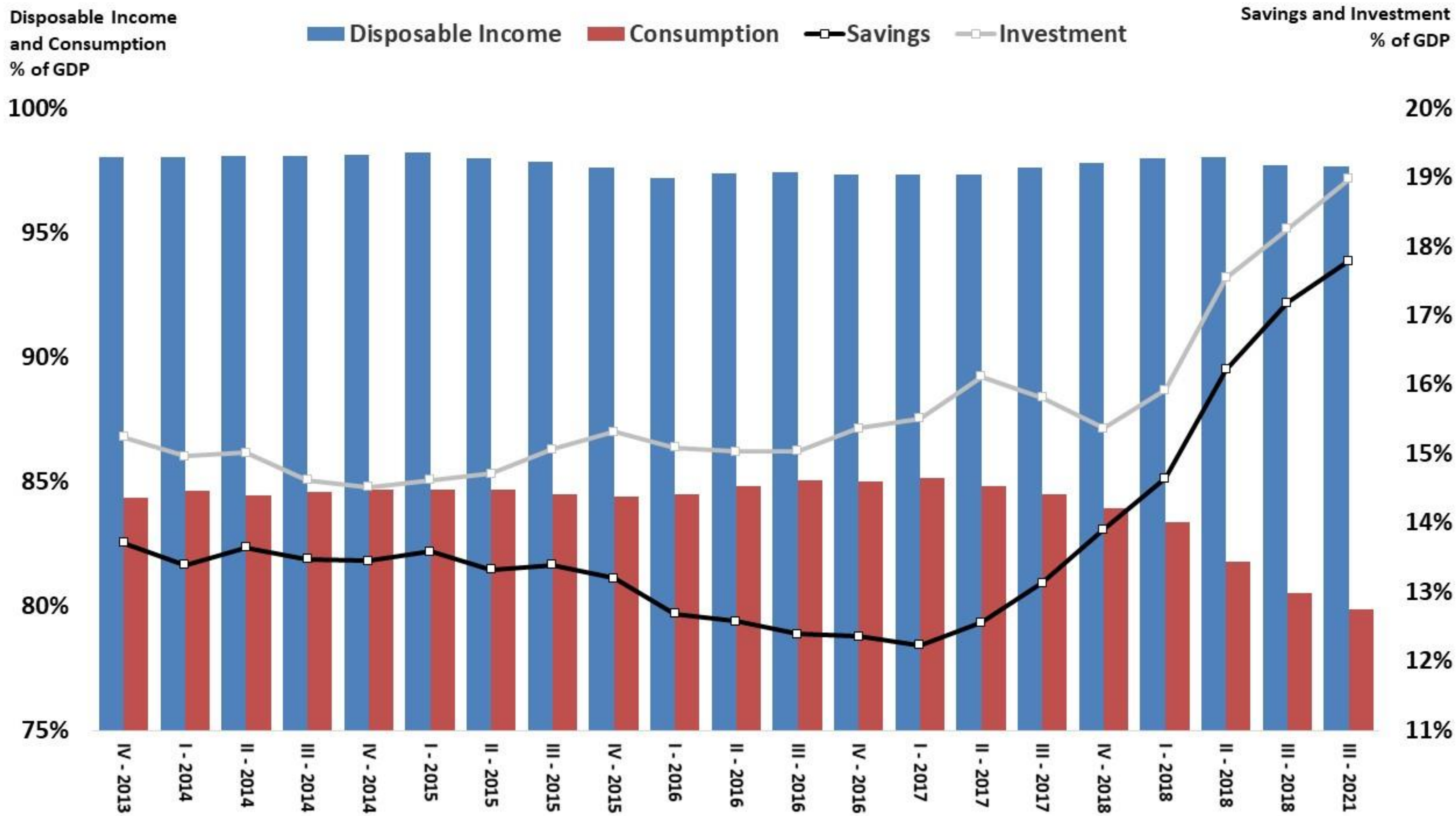
Services Performance by Subsectors

Services Provision Indicators
Chained Series of the Seasonally Adjusted Index: 1995=100



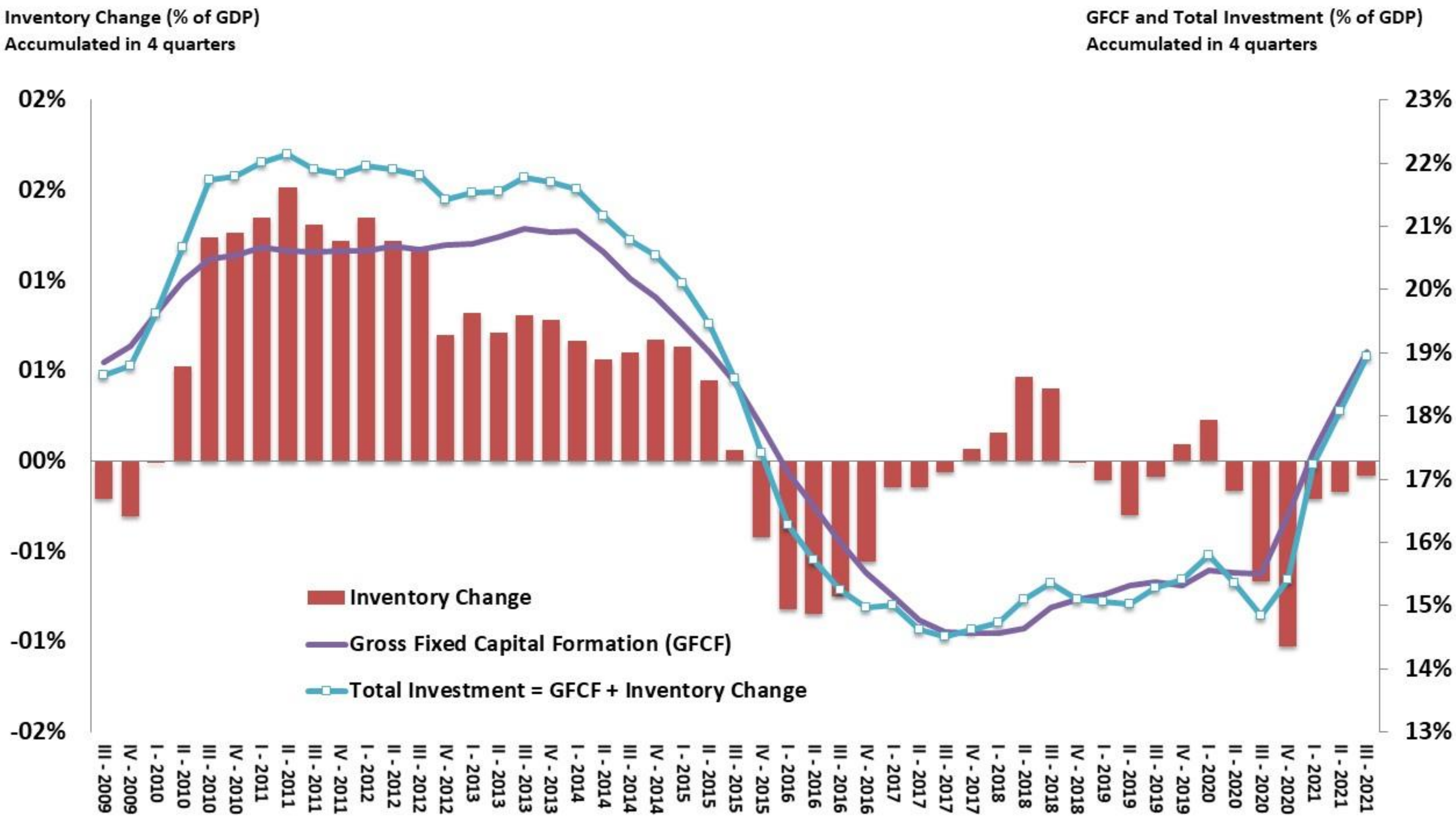
Source: IBGE, Quarterly National Accounts Series.

Disposable Income, Consumption, Savings and Investment



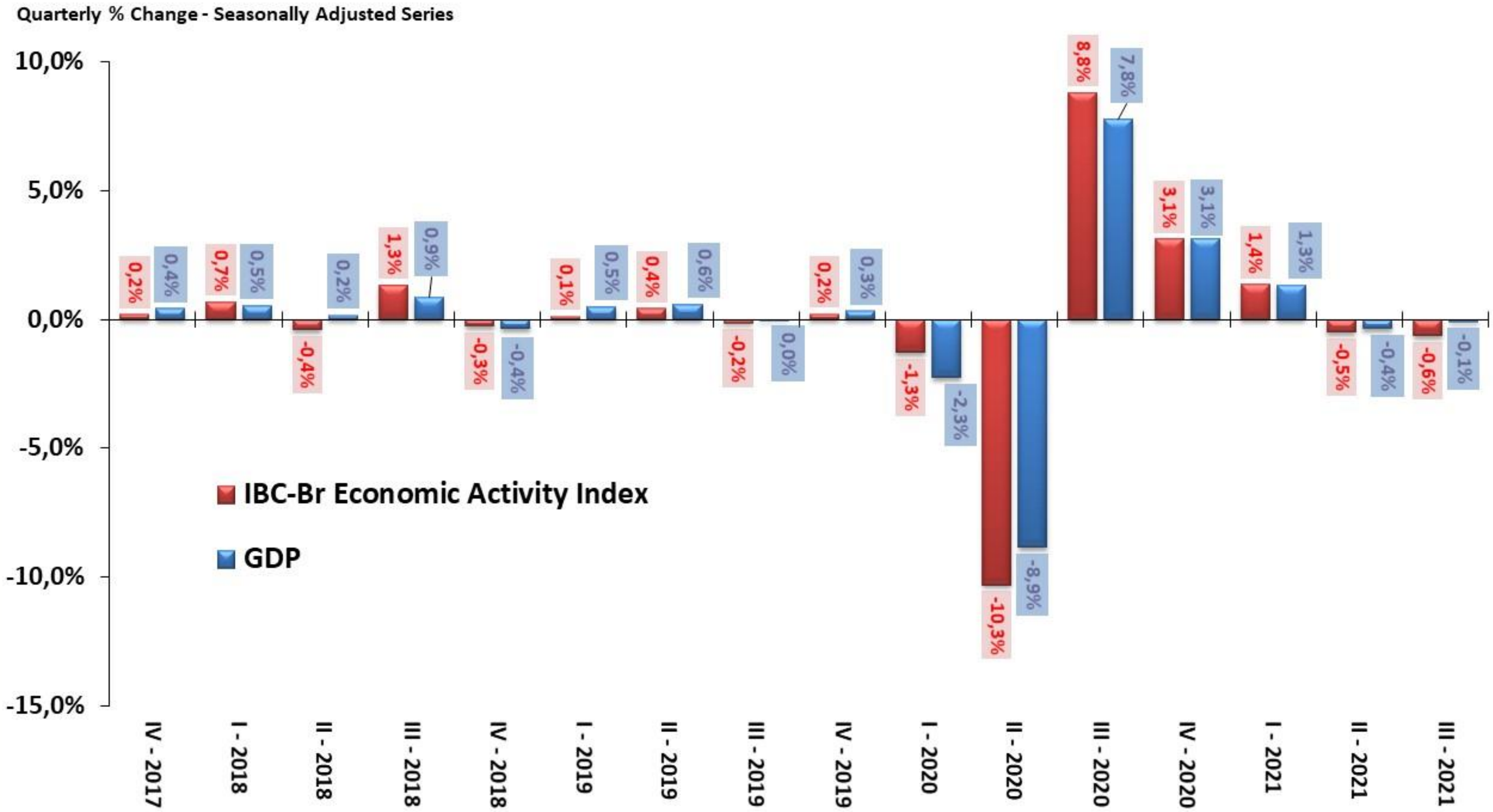
Source: IBGE, Quarterly National Accounts Series. Values accumulated in 4 quarters.

Inventory Change and Gross Fixed Capital Formation



Source: IBGE, Quarterly National Accounts Series.

Quarterly GDP Growth and IBC-Br Economic Activity Index



Sources: IBGE and Central Bank of Brazil.

Monthly Economic Activity

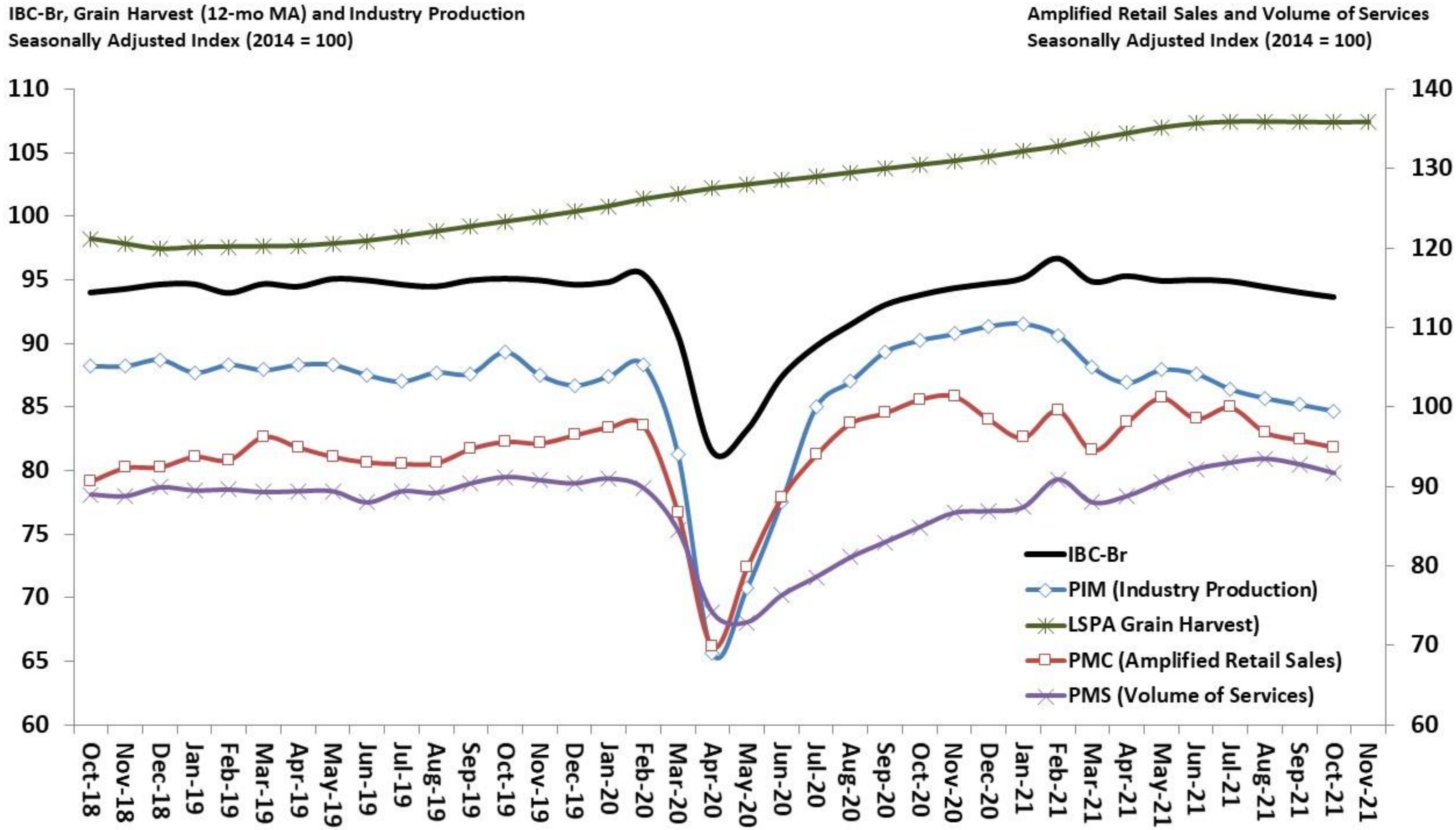
IBC-Br Economic Activity Index — October-21 — %change	2019	2020	Sep/21- Sep/20	Oct/21- Oct/20	Sep/21 - Aug/21 (seasonally adjusted)	Oct/21 - Sep/21 (seasonally adjusted)	Year-To-Date	Sep/21 accum. in 12-months	Oct/21 accum. in 12-months	carry-over 2021
IBC-Br Economic Activity Index	**1.0%**	**-4.05%**	**0.7%**	**-1.5%**	**-0.5%**	**-0.4%**	**5.0%**	**4.1%**	**4.2%**	**4.2%**
Systematic Survey of Agricultural Production (IBGE) — November-21 — %change	**2019**	**2020**	**Oct/21- Oct/20**	**Nov/21- Nov/20**	**Oct/21 - Sep/21 (seasonally adjusted)**	**Nov/21 - Oct/21 (seasonally adjusted)**	**Year-To-Date**	**Oct/21 accum. in 12-months**	**Nov/21 accum. in 12-months**	**carry-over 2021**
Grain Harvest	**3.9%**	**5.6%**	**-0.3%**	**0.3%**	**0.1%**	**0.6%**	**0.3%**	**-0.3%**	**0.3%**	**3.3%**
Industry Production (IBGE) — October-21 — %change	**2019**	**2020**	**Sep/21- Sep/20**	**Oct/21- Oct/20**	**Sep/21 - Aug/21 (seasonally adjusted)**	**Oct/21 - Sep/21 (seasonally adjusted)**	**Year-To-Date**	**Sep/21 accum. in 12-months**	**Oct/21 accum. in 12-months**	**carry-over 2021**
General Industry	**-1.1%**	**-4.4%**	**-4.1%**	**-7.8%**	**-0.6%**	**-0.6%**	**5.7%**	**6.4%**	**5.6%**	**3.9%**
Mining Industry (weight 11,2%)	-9.7%	-3.4%	3.1%	-4.7%	2.2%	-8.6%	0.6%	-0.8%	-0.6%	0.1%
Manufacturing Industry (weight 88,8%)	0.2%	-4.6%	-4.9%	-8.2%	-0.5%	-0.1%	6.4%	7.5%	6.5%	4.6%
Food (weight 13,9%)	1.7%	4.2%	-12.8%	-17.1%	-3.2%	-4.2%	-8.8%	-6.0%	-7.8%	-9.1%
Petroleum refinement and alcohol production (weight 10,3%)	1.7%	4.4%	-4.6%	1.4%	1.0%	3.7%	-1.4%	-0.3%	-0.8%	-0.8%
Motor vehicles (weight 10,1%)	2.2%	-27.9%	-8.3%	-14.6%	0.0%	-0.8%	28.3%	23.8%	24.5%	17.4%
Capital Goods	-0.6%	-9.6%	15.1%	8.4%	-1.1%	2.0%	34.1%	31.5%	32.2%	28.6%
Intermediate Goods	-2.1%	-1.0%	-3.5%	-6.4%	-0.2%	-0.9%	4.6%	5.8%	4.8%	3.6%
Durable Consumer Goods	2.1%	-19.8%	-23.3%	-27.9%	-0.6%	-1.9%	7.1%	9.3%	7.2%	1.1%
Semi and Non-Durable Consumer Goods	1.0%	-6.0%	-5.7%	-10.2%	-0.2%	-1.2%	0.9%	1.4%	0.7%	0.1%
Typical Construction Inputs	-1.0%	2.7%	-4.4%	-9.8%	-3.9%	-1.4%	12.1%	14.9%	12.7%	4.5%
Retail Sales (IBGE) — October-21 — %change	**2019**	**2020**	**Sep/21- Sep/20**	**Oct/21- Oct/20**	**Sep/21 - Aug/21 (seasonally adjusted)**	**Oct/21 - Sep/21 (seasonally adjusted)**	**Year-To-Date**	**Sep/21 accum. in 12-months**	**Oct/21 accum. in 12-months**	**carry-over 2021**
Retail Sales	**1.9%**	**1.2%**	**-5.1%**	**-7.1%**	**-1.1%**	**-0.1%**	**2.6%**	**3.9%**	**2.6%**	**2.0%**
Amplified Retail Sales	**3.9%**	**-1.4%**	**-3.9%**	**-7.1%**	**-1.0%**	**-0.9%**	**6.3%**	**7.0%**	**5.7%**	**4.8%**
Vehicles, Motorcycles, Parts and Accessories	10.0%	-13.6%	2.9%	-4.0%	-1.7%	-0.5%	18.4%	14.8%	15.1%	14.9%
Construction Material	4.3%	10.8%	-10.1%	-13.7%	-1.0%	-0.9%	6.8%	12.0%	8.5%	5.3%
Fuel and Lubricants	0.6%	-9.7%	-4.2%	-7.8%	-2.8%	-0.3%	1.7%	0.4%	0.2%	0.9%
Hypermarkets, Supermarkets, Food, Beverage and Tobacco	0.4%	4.8%	-3.2%	-5.6%	-1.3%	-0.3%	-3.2%	-1.4%	-2.4%	-2.7%
Textiles, Apparel and Footwear	0.1%	-22.5%	0.4%	-2.0%	-1.0%	0.6%	20.4%	11.8%	11.9%	14.2%
Furniture and Household Appliances	3.6%	10.6%	-22.6%	-22.1%	-3.4%	-0.5%	-3.4%	3.1%	-0.7%	-4.7%
Volume of Services (IBGE) — October-21 — %change	**2019**	**2020**	**Sep/21- Sep/20**	**Oct/21- Oct/20**	**Sep/21 - Aug/21 (seasonally adjusted)**	**Oct/21 - Sep/21 (seasonally adjusted)**	**Year-To-Date**	**Sep/21 accum. in 12-months**	**Oct/21 accum. in 12-months**	**carry-over 2021**
Volume of Services	**1.0%**	**-7.8%**	**11.5%**	**7.5%**	**-0.7%**	**-1.2%**	**11.0%**	**6.8%**	**8.2%**	**10.3%**
Services Rendered to Families	2.7%	-35.6%	32.9%	26.4%	1.6%	2.7%	17.7%	0.5%	6.6%	18.1%
Information and Communication Services	3.2%	-1.6%	10.1%	6.5%	-0.9%	-1.6%	9.2%	7.2%	7.8%	8.5%
Professional, Administrative and Complementary Services	0.6%	-11.4%	10.1%	4.8%	-1.0%	-1.8%	7.5%	2.4%	4.1%	7.0%
Transportation, Support Activities for Transportation and Mailing Activities	-2.5%	-7.7%	13.8%	9.9%	-1.8%	-0.3%	15.3%	10.1%	11.8%	14.5%
Other Services	5.9%	6.8%	-1.6%	-6.1%	-6.4%	-6.7%	7.0%	8.5%	7.3%	4.2%

Macroeconomic Parameters

Macroeconomic Parameters						
Year	Industrial Activity - Annual chg. %					
	Manufacturing		Beverages		Vehicles	
	Production				Domestic Wholesale	
	Price	*Quantity*	*Price*	*Quantity*	*Price*	*Quantity*
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	1.10	2.67	0.87	3.30	13.05
2019	4.31	0.19	2.86	4.25	2.97	10.38
2020	9.13	-4.63	0.87	-0.18	4.15	-25.84
2021	**31.92**	**5.24**	**4.02**	**3.56**	**12.33**	**3.60**
2022	**12.07**	**0.11**	**5.83**	**1.62**	**10.14**	**3.04**
2023	**0.57**	**2.39**	**5.76**	**3.45**	**5.46**	**12.59**
2024	**2.11**	**2.24**	**5.61**	**3.45**	**4.01**	**9.56**
2025	**3.80**	**2.27**	**5.61**	**3.12**	**3.34**	**8.40**

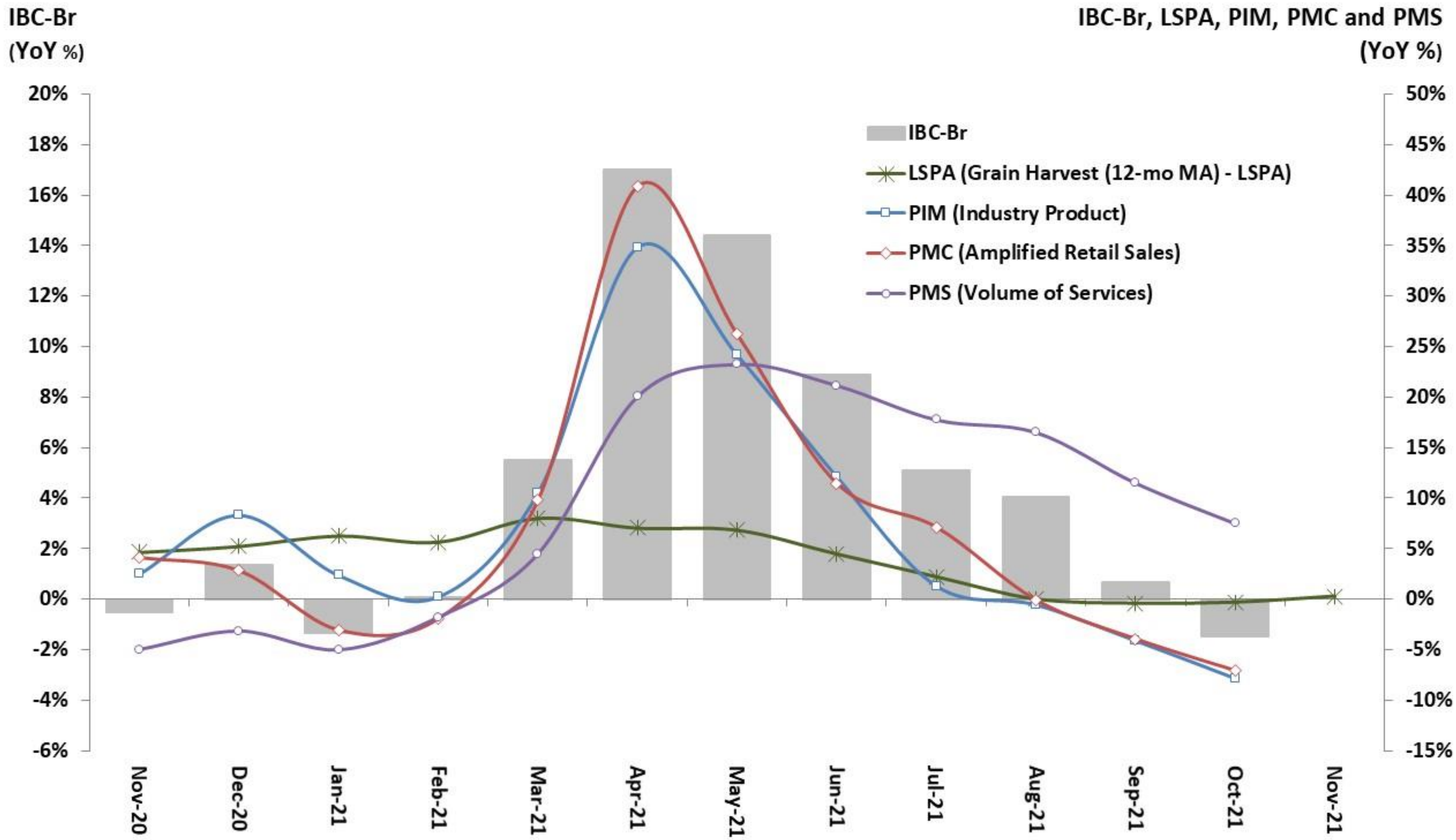
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Major Monthly Economic Activity Indicators



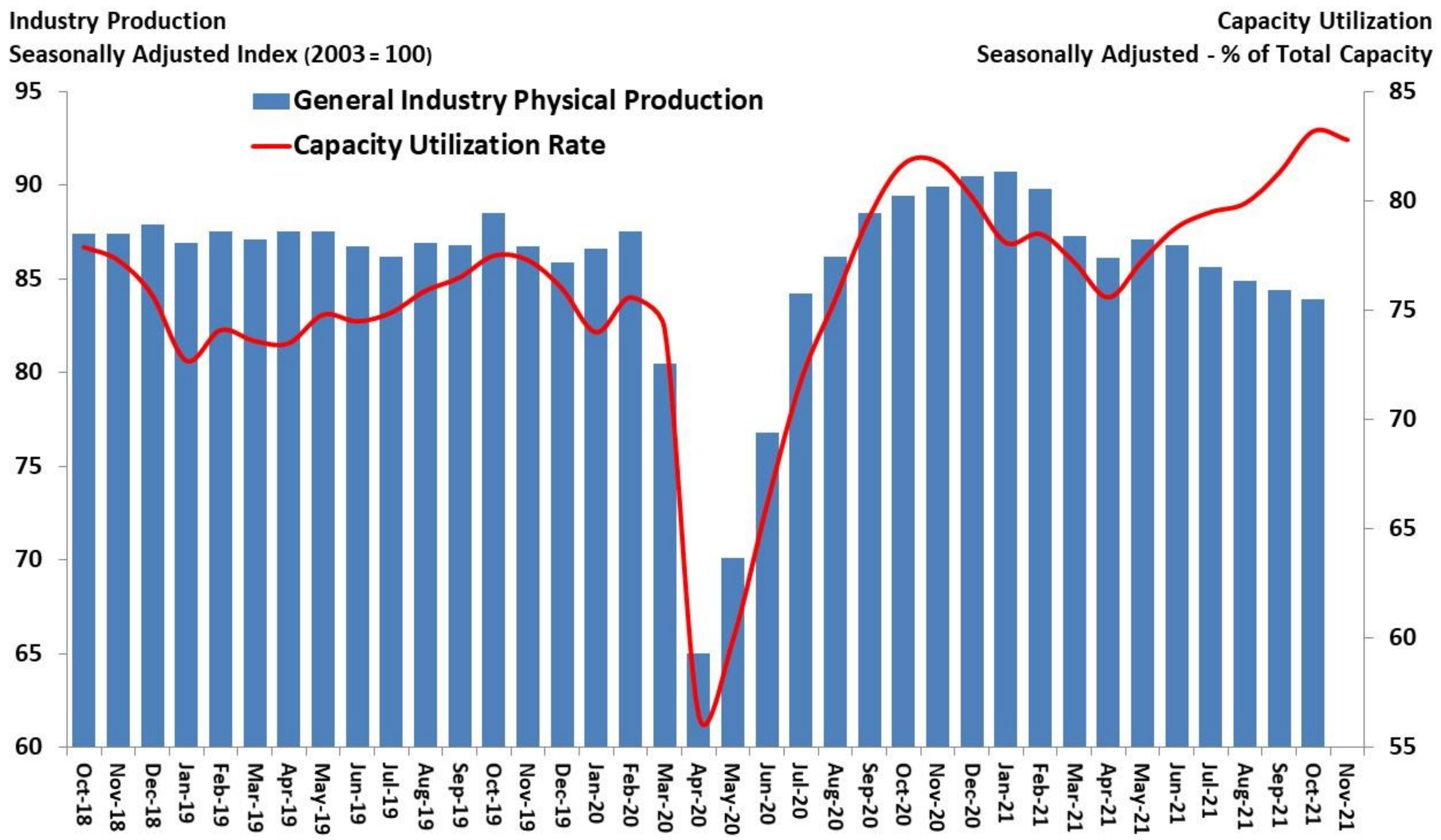
Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

Major Monthly Economic Activity Indicators



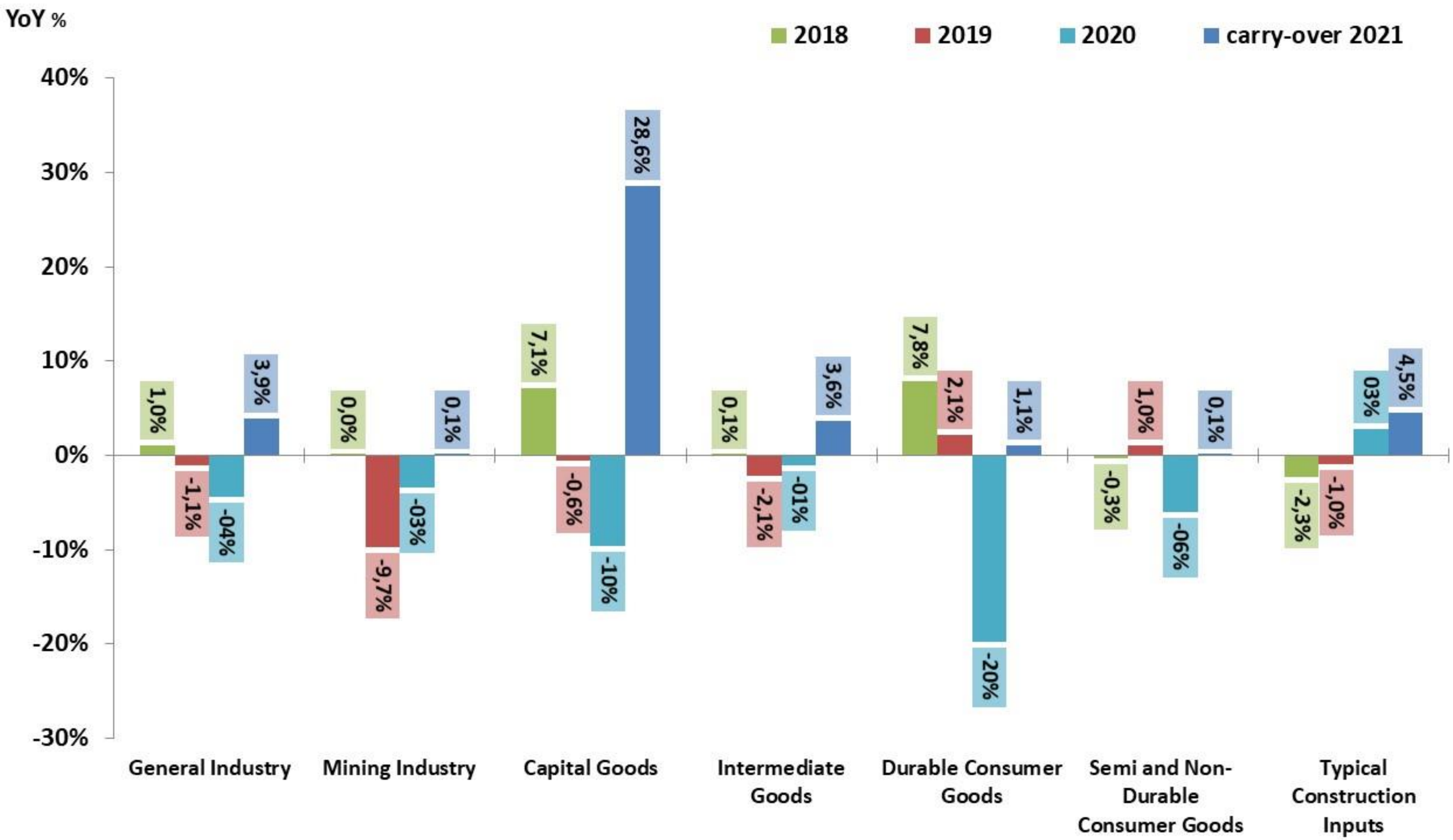
Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

Industrial Production and Capacity Utilization



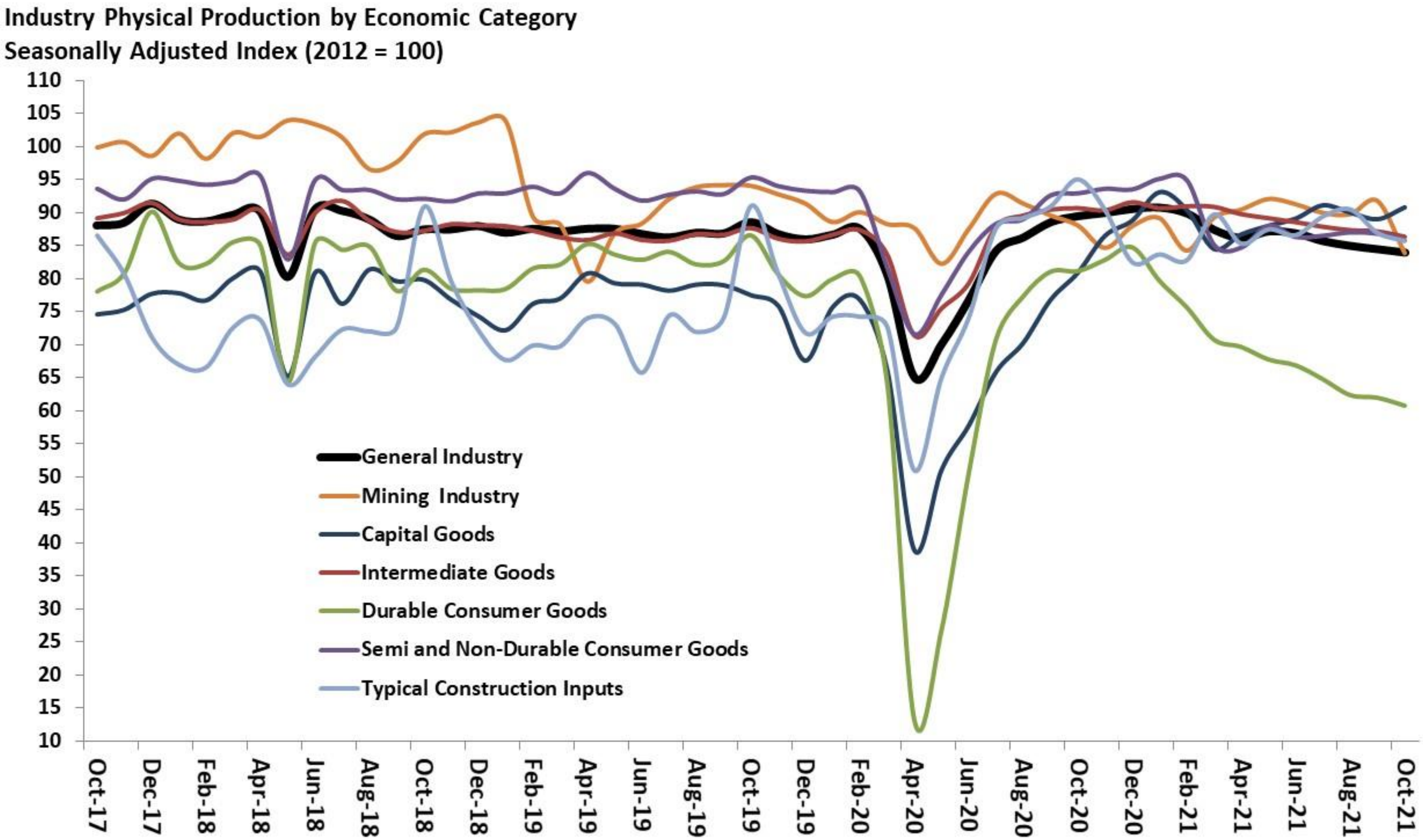
Sources: IBGE and FGV.

Total Industrial Production and Economic Categories



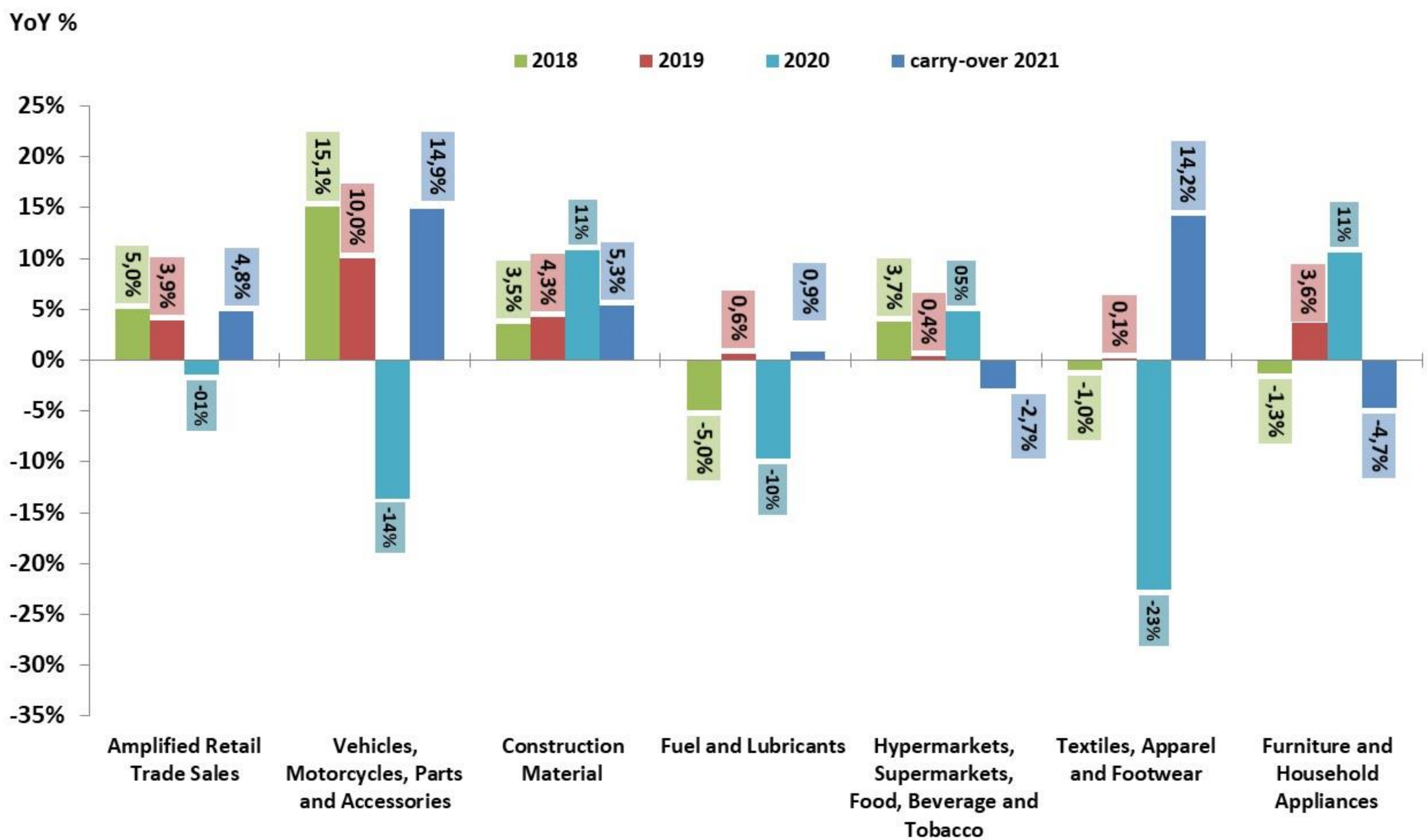
Source: IBGE, Monthly Survey of Industry (PIM). Note: Carry over 2021: based on Oct/2021 compared to 2020 average.

Total Industrial Production and Economic Categories



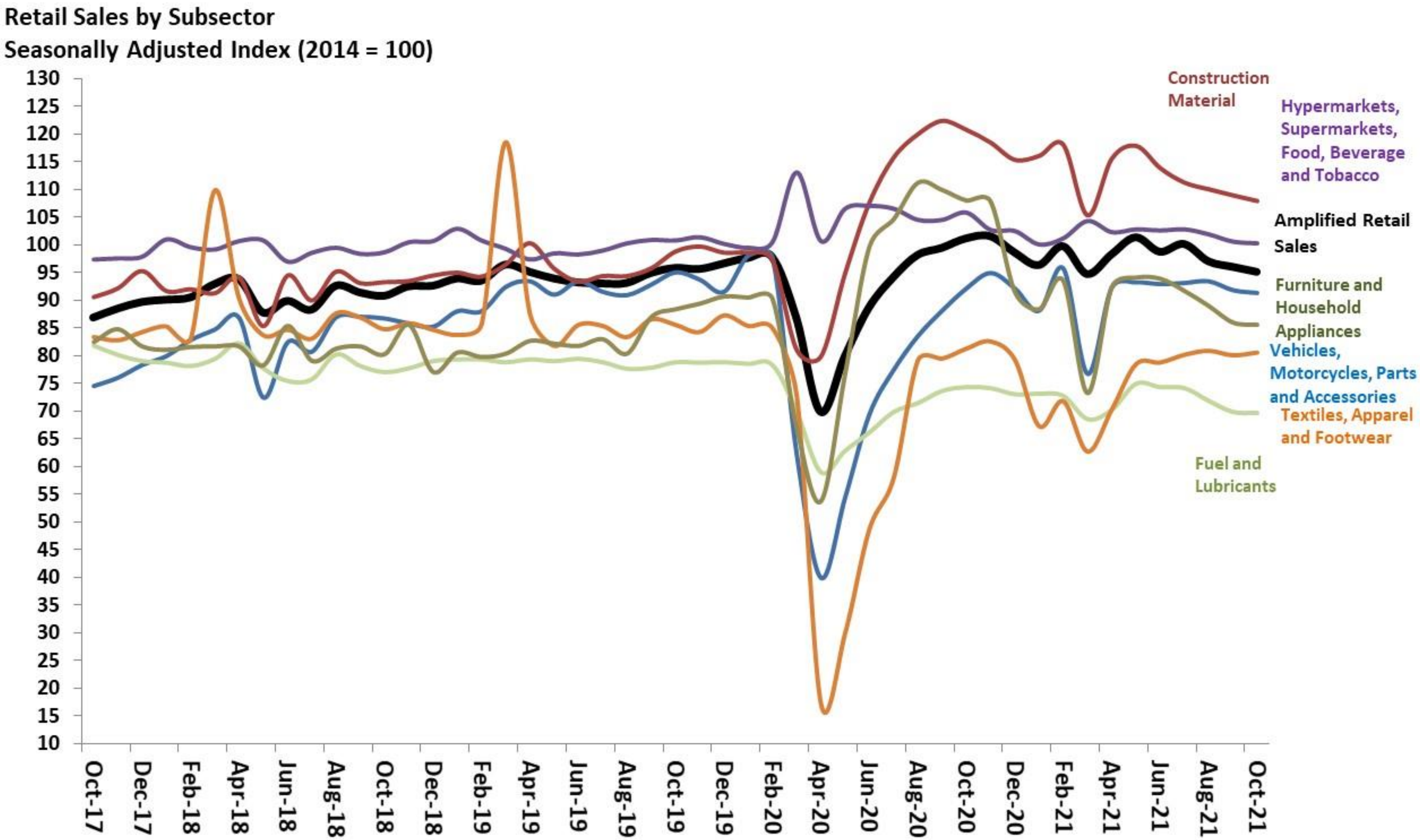
Source: IBGE

Total Retail Sales and Subsectors



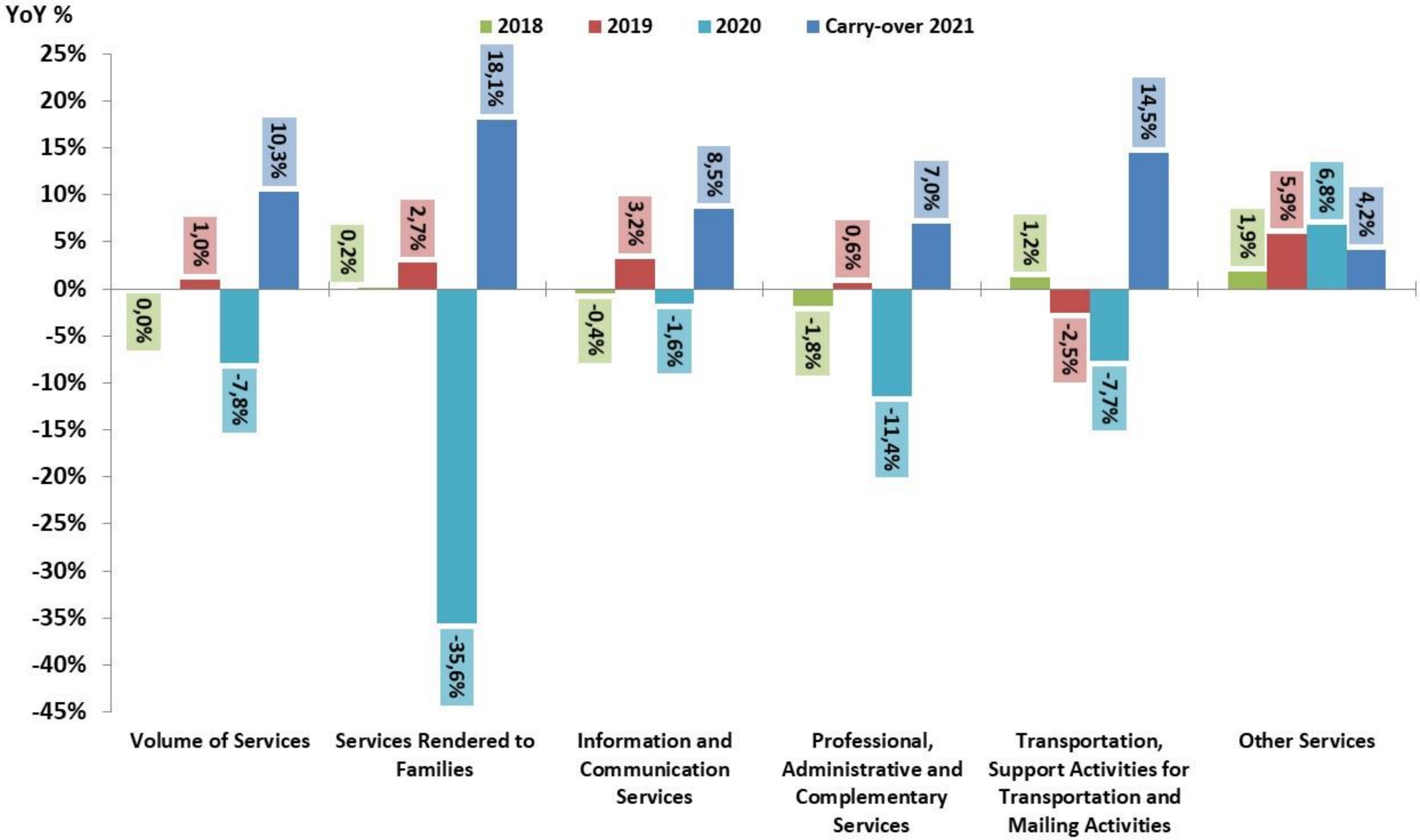
Source: IBGE, Monthly Survey of Trade (PMC). Note: Carry over 2021: based on Oct/2021 compared to 2020 average.

Total Retail Sales and Subsectors



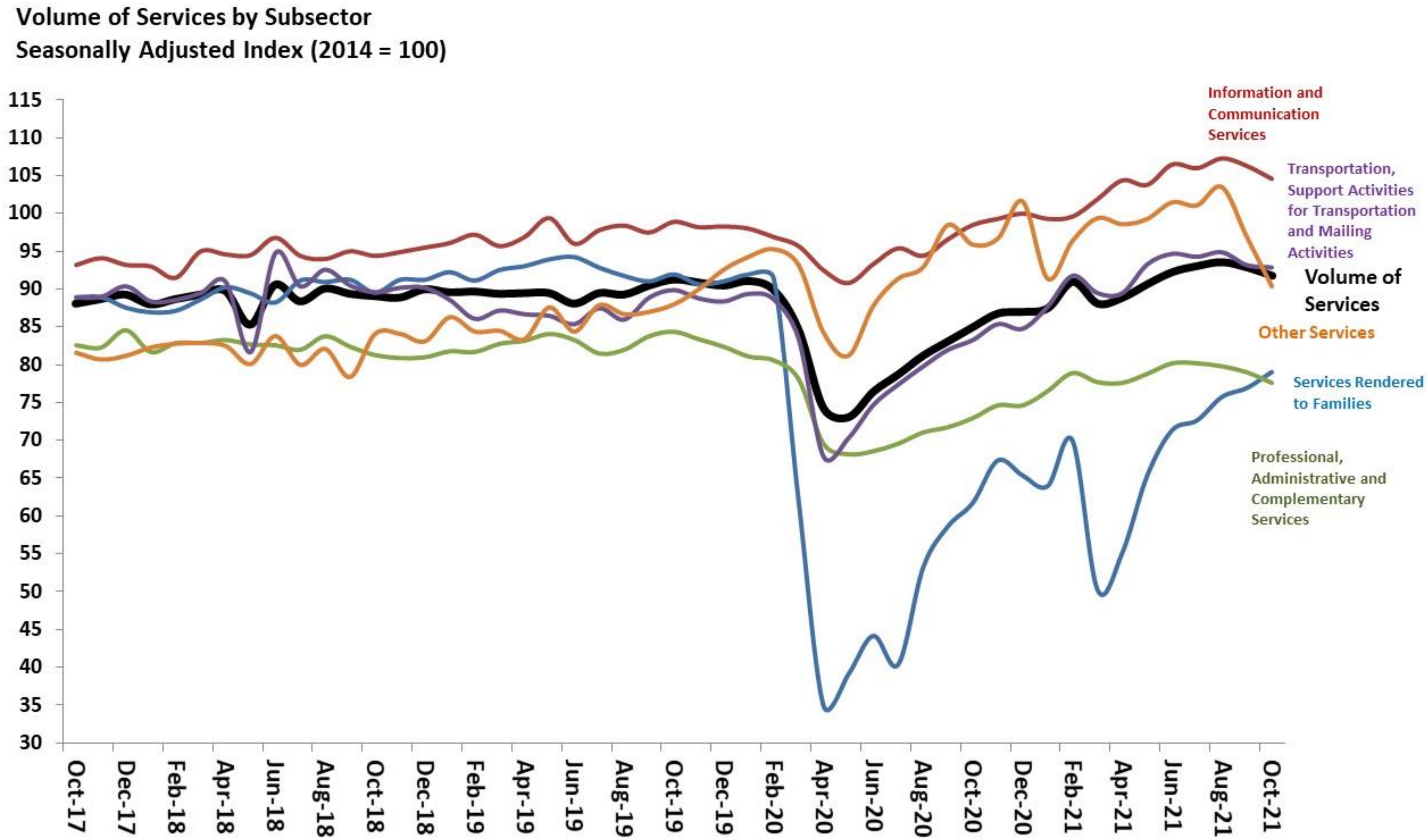
Source: IBGE, Monthly Survey of Trade (PMC).

Volume of Services and Subsectors



Source: IBGE, Monthly Survey of Services (PMS). Note: Carry over 2021: based on Oct/2021 compared to 2020 average.

Total Services and Subsectors

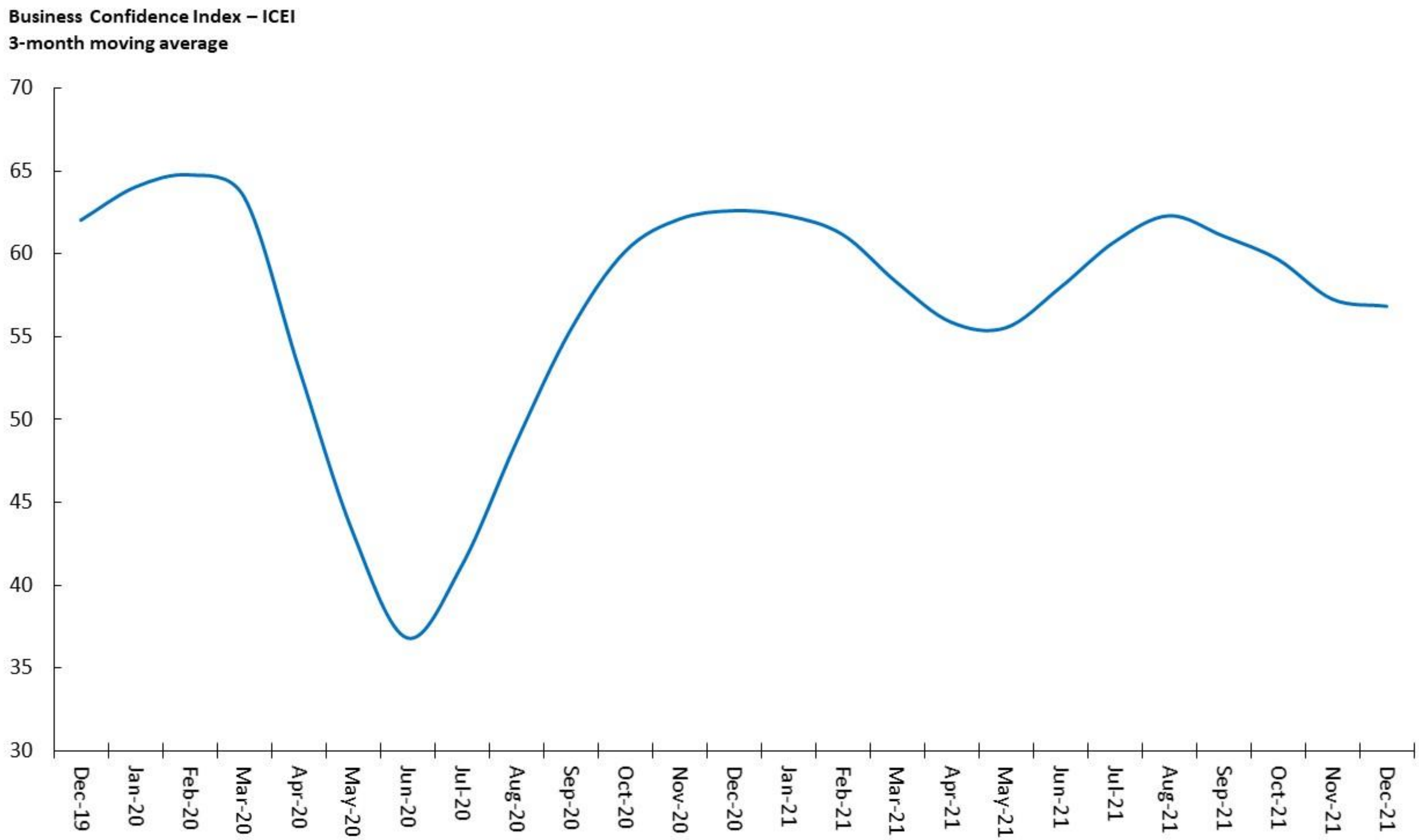


Source: IBGE, Monthly Survey of Services (PMS).

Other Monthly Economic Activity Indicators

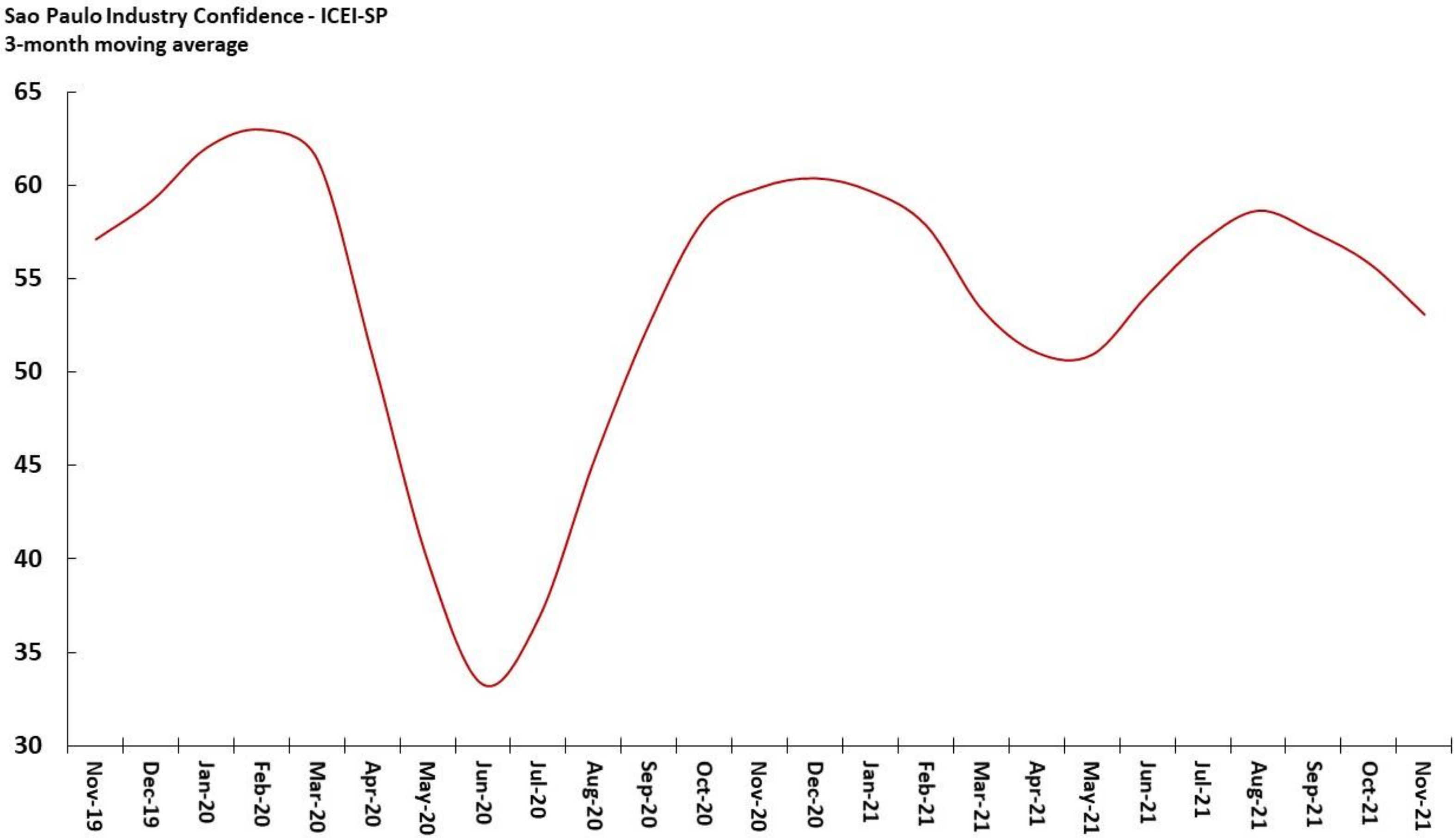
	Last update (m / y)	Annual change % (y-1)	change % (m-1 / y) / (m-1 / y-1)	change % (m / y) / (m / y-1)	change % (m-1/y) / (m-2/y) (seasonally adjusted)	change % (m/y) / (m-1/y) (seasonally adjusted)	Year-To-Date	(m-1 / y) accum. in 12-months	(m / y) accum. in 12-months	carry-over	
Industry Indicators (CNI)											
Real Sales Revenue	Oct-21	-0.1%	-9.9%	-12.8%	-1.4%	-2.0%	6.3%	8.3%	6.6%	3.3%	2021
Working Hours in Production	Oct-21	-2.1%	3.9%	1.3%	1.5%	-0.9%	11.1%	10.3%	10.4%	8.8%	2021
Capacity Utilization - UCI	Oct-21	0.4%	3.2%	1.6%	-0.4%	-0.7%	7.3%	6.7%	6.5%	6.1%	2021
Industry Inventories (CNI) - Final Goods - planned x realize	Dec-21	1.0%	13.1%	15.5%	2.1%	1.0%	3.6%	-1.2%	1.3%	4.7%	2022
Business Confidence - ICEI (CNI)	Dec-21	19.5%	-11.0%	-10.1%	-3.2%	0.9%	7.3%	8.1%	7.3%	-5.7%	2022
Sao Paulo Industry Confidence - ICEI-SP (FIESP)	Nov-21	25.9%	-9.2%	-15.1%	0.0%	-5.2%	6.9%	7.5%	6.0%	5.5%	2021
Industry Capacity Utilization - NUCI (FGV)	Nov-21	0.7%	1.8%	1.2%	2.3%	-0.5%	9.5%	9.6%	9.2%	8.9%	2021
Industry Confidence (FGV)	Nov-21	12.5%	-5.2%	-10.3%	-1.1%	-2.9%	15.0%	17.9%	15.1%	12.2%	2021
Consumer Confidence (FGV)	Nov-21	13.1%	-7.5%	-8.5%	1.3%	-1.8%	-2.1%	-3.2%	-3.2%	-1.9%	2021
Services Confidence (FGV)	Nov-21	14.6%	13.2%	13.5%	1.8%	-2.3%	13.3%	8.6%	10.9%	13.4%	2021
Construction Confidence (FGV)	Dec-21	8.5%	1.0%	1.8%	-0.3%	-0.8%	8.3%	8.1%	7.8%	7.7%	2022
Retail Confidence (FGV)	Nov-21	15.2%	-1.0%	-5.1%	0.1%	-6.6%	3.2%	2.6%	2.5%	3.0%	2021
Supermarket Sector Total Retail Sales (ABRAS)	Jun-21	1.3%	11.7%	9.4%	4.7%	-6.8%	15.5%	17.3%	16.8%	20.2%	2021
Natural Gas and Oil Production (ANP)	Oct-21	4.5%	2.7%	-3.1%	2.5%	-5.6%	-2.8%	-4.4%	-4.3%	-1.9%	2021
Electric Energy Consumption - Total (EPE)	Oct-21	1.2%	4.2%	-0.5%	0.4%	-0.6%	5.9%	5.5%	5.1%	5.6%	2021
Industry Consumption (EPE)	Oct-21	1.3%	3.6%	2.8%	-0.3%	0.3%	10.7%	10.1%	9.8%	9.8%	2021
Electric Energy System Supply (ONS)	Nov-21	1.5%	-3.4%	0.8%	-3.6%	3.0%	11.2%	4.6%	4.6%	4.6%	2021
Corrugated Fiberboard Sales (ABPO)	Nov-21	7.9%	-7.8%	-3.7%	-2.3%	-0.6%	5.1%	6.2%	5.5%	4.6%	2021
Heavy Vehicles Road Traffic (ABCR)	Nov-21	-1.7%	-0.6%	-2.1%	-2.1%	1.0%	8.1%	8.1%	7.8%	7.5%	2021
Total Vehicles Production (ANFAVEA)	Nov-21	-33.1%	-24.3%	-13.5%	0.2%	19.2%	13.8%	16.0%	13.8%	14.5%	2021
Car Production	Nov-21	-35.4%	-27.5%	-14.3%	-0.7%	15.4%	7.5%	9.1%	7.5%	7.7%	2021
Commercial Vehicles Production	Nov-21	-24.8%	26.0%	25.3%	0.4%	4.9%	81.5%	84.0%	81.5%	79.6%	2021
Total Vehicles Exports (ANFAVEA)	Nov-21	-27.8%	-14.6%	-36.3%	12.0%	-11.6%	18.5%	28.6%	18.5%	16.8%	2021
Total Vehicles Sales/Licensing (FENABRAVE)	Nov-21	-24.7%	-24.5%	-23.1%	7.8%	-1.6%	3.8%	5.5%	3.8%	4.1%	2021
Domestic Vehicles Sales/Licensing	Nov-21	-24.6%	-28.4%	-27.7%	7.9%	-2.4%	2.9%	5.2%	2.9%	3.4%	2021
Imported Vehicles Sales/Licensing	Nov-21	-25.8%	15.7%	23.8%	8.3%	6.0%	11.6%	7.7%	11.6%	10.4%	2021

CNI: Business Confidence and Consumers Expectation Indices



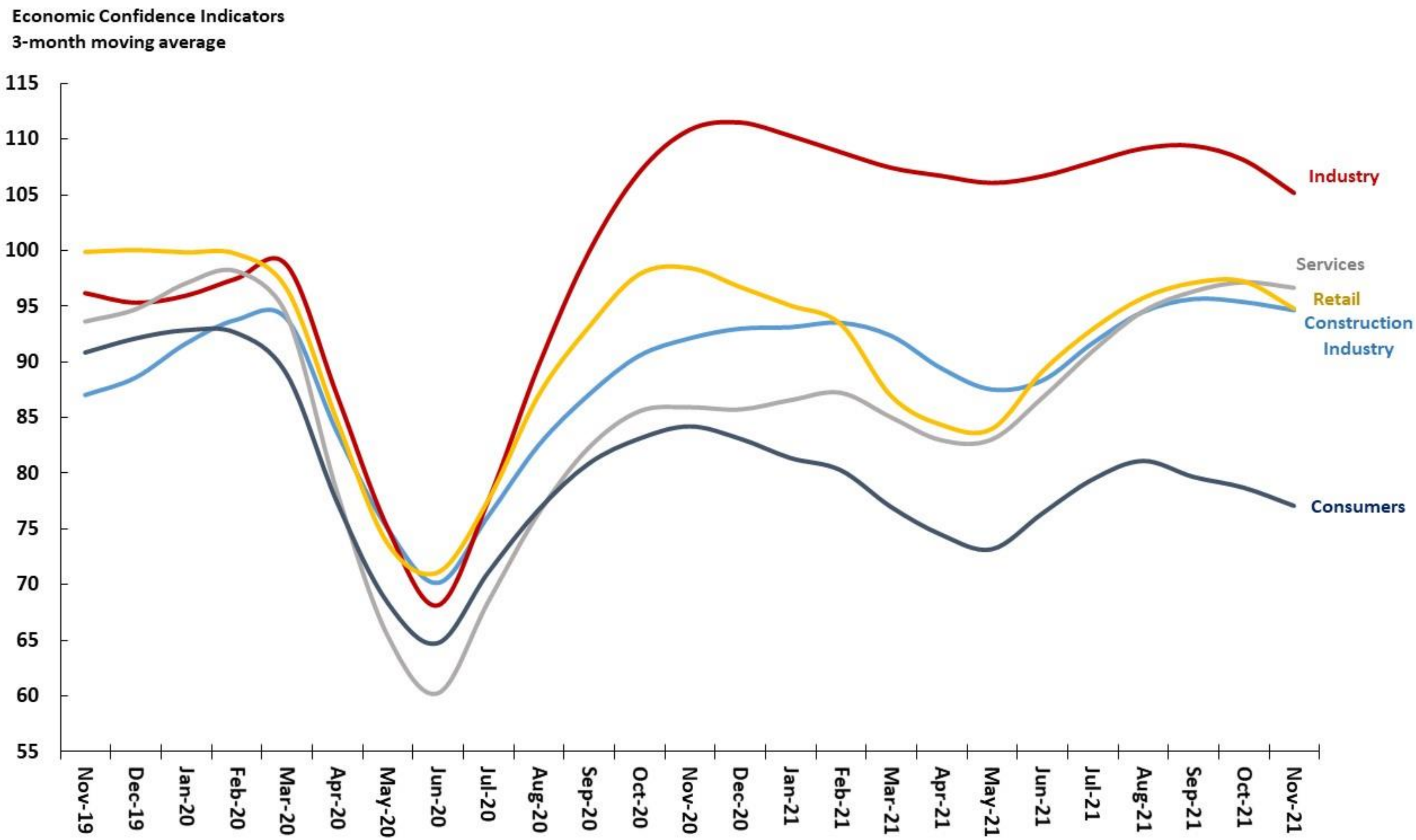
Source: CNI.

FIESP: Industry Confidence Index



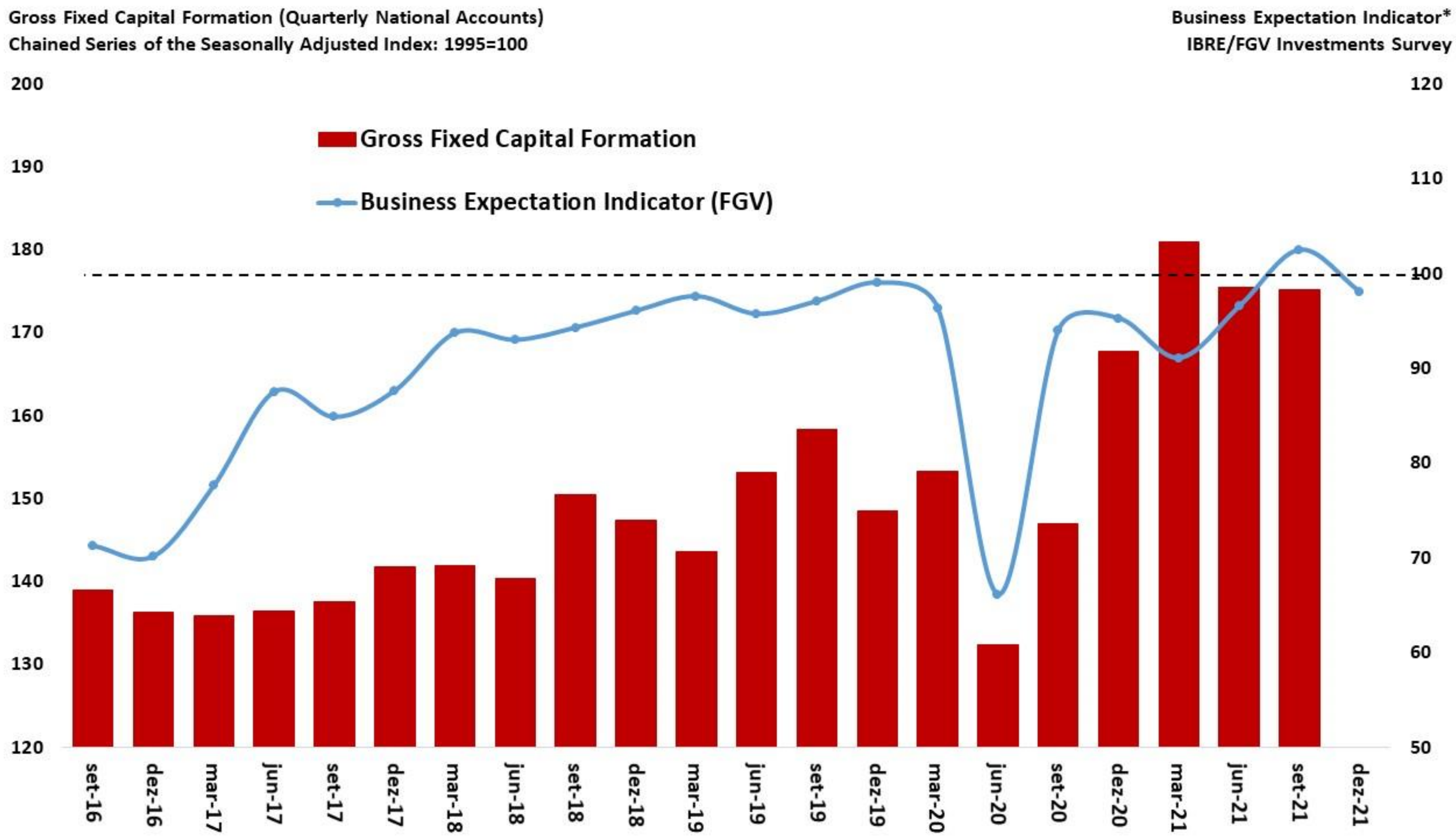
Source: FIESP.

FGV: Economic Confidence Indicators



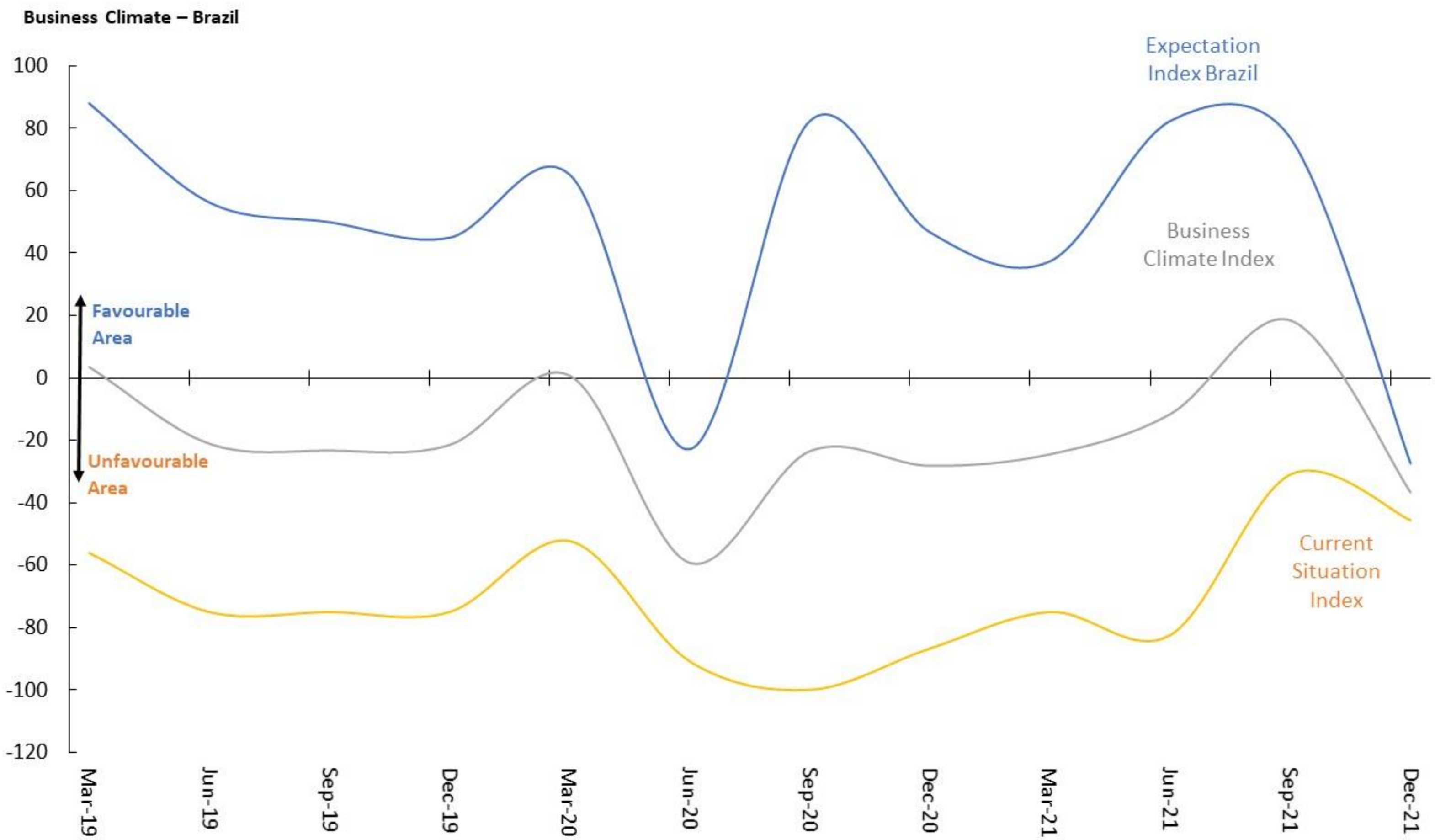
Source: IBRE/FGV.

Gross Fixed Capital Formation and Investment Intention



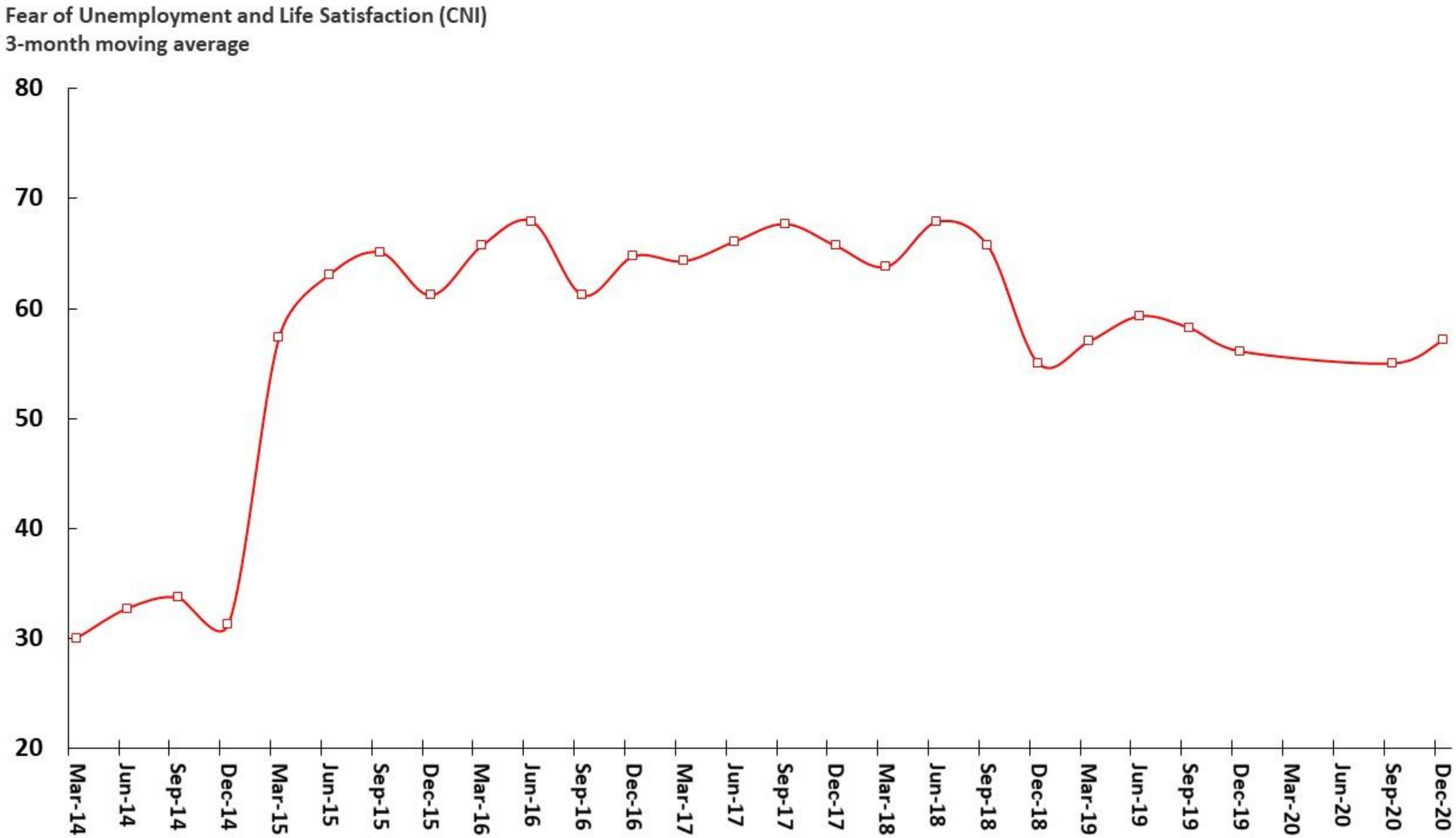
Source: IBGE e IBRE/FGV.
*Note: Measures the difference between positive and negative answers, plus 100.

IFO / FGV: Business Climate Index - Brazil



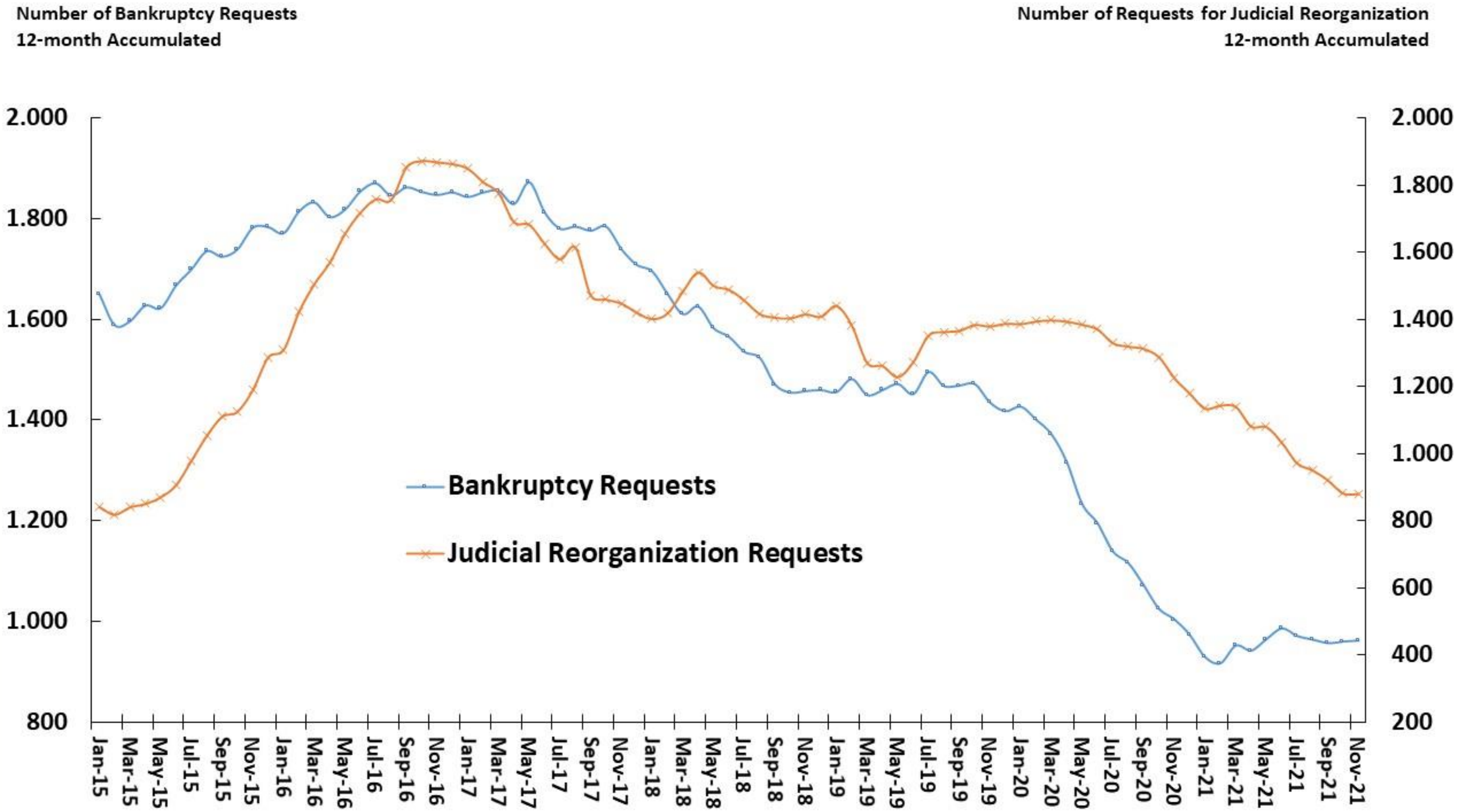
Source: IFO and FGV.

CNI: Fear of Unemployment Index



Source: CNI.

Bankruptcy and Judicial Reorganization Requests

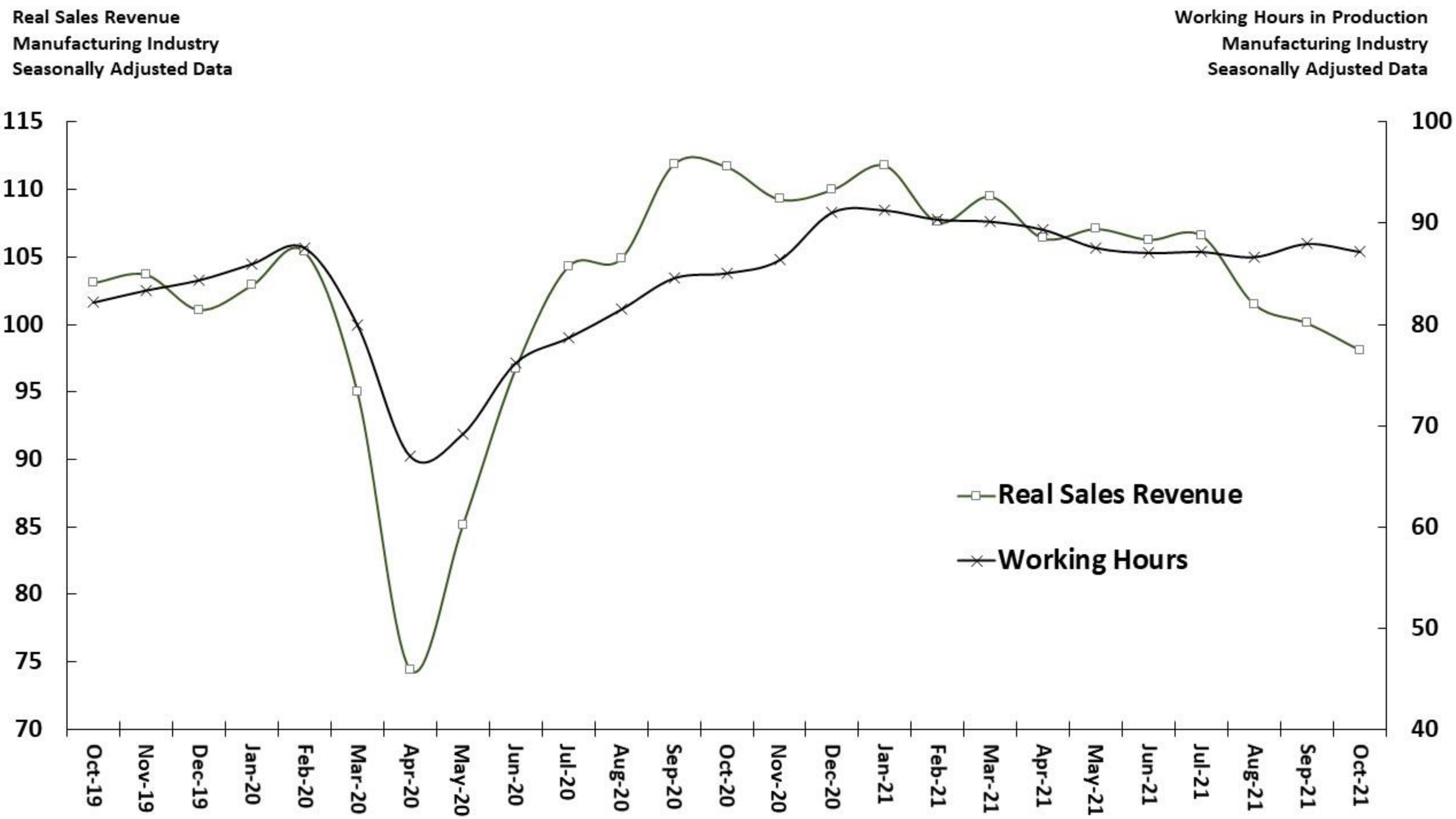


Source: Serasa-Experian.

ABRAS: Supermarket Sector Total Retail Sales

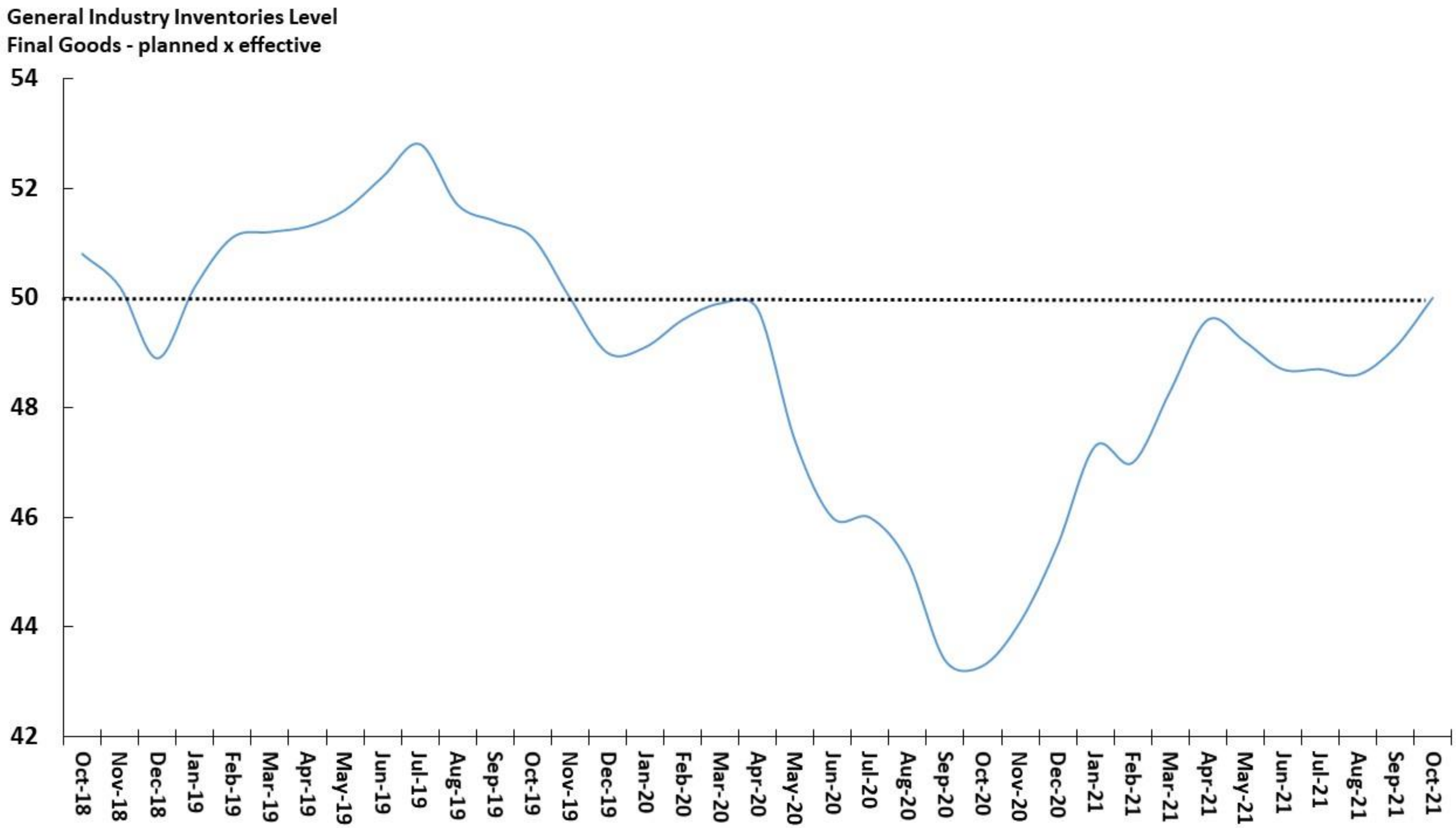
Source: ABRAS. * Seasonally adjusted by SPE.

CNI: Industry Real Sales Revenues and Working Hours



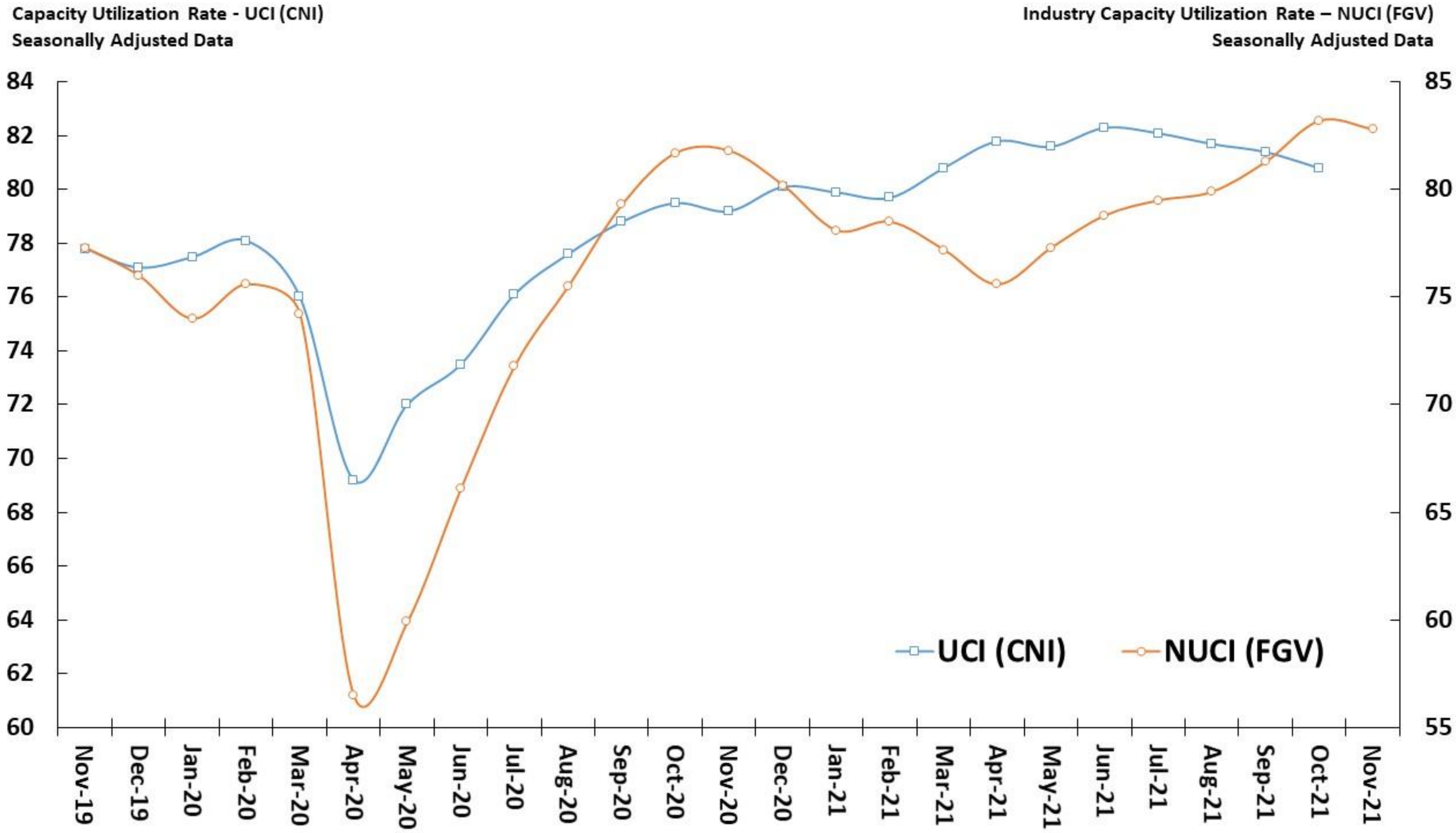
Source: CNI.

CNI: Industry Inventory



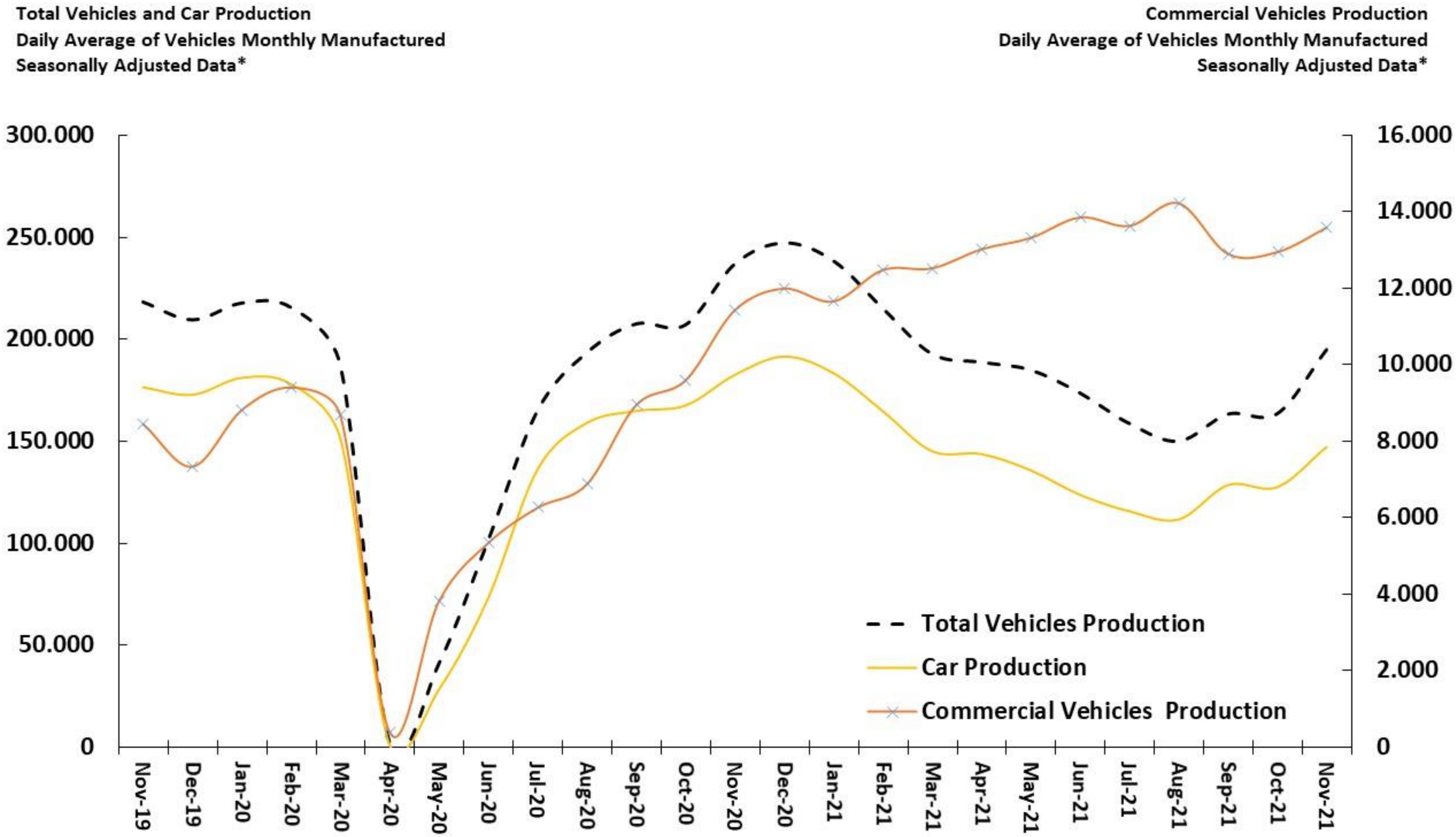
Source: CNI.

Capacity Utilization Rate



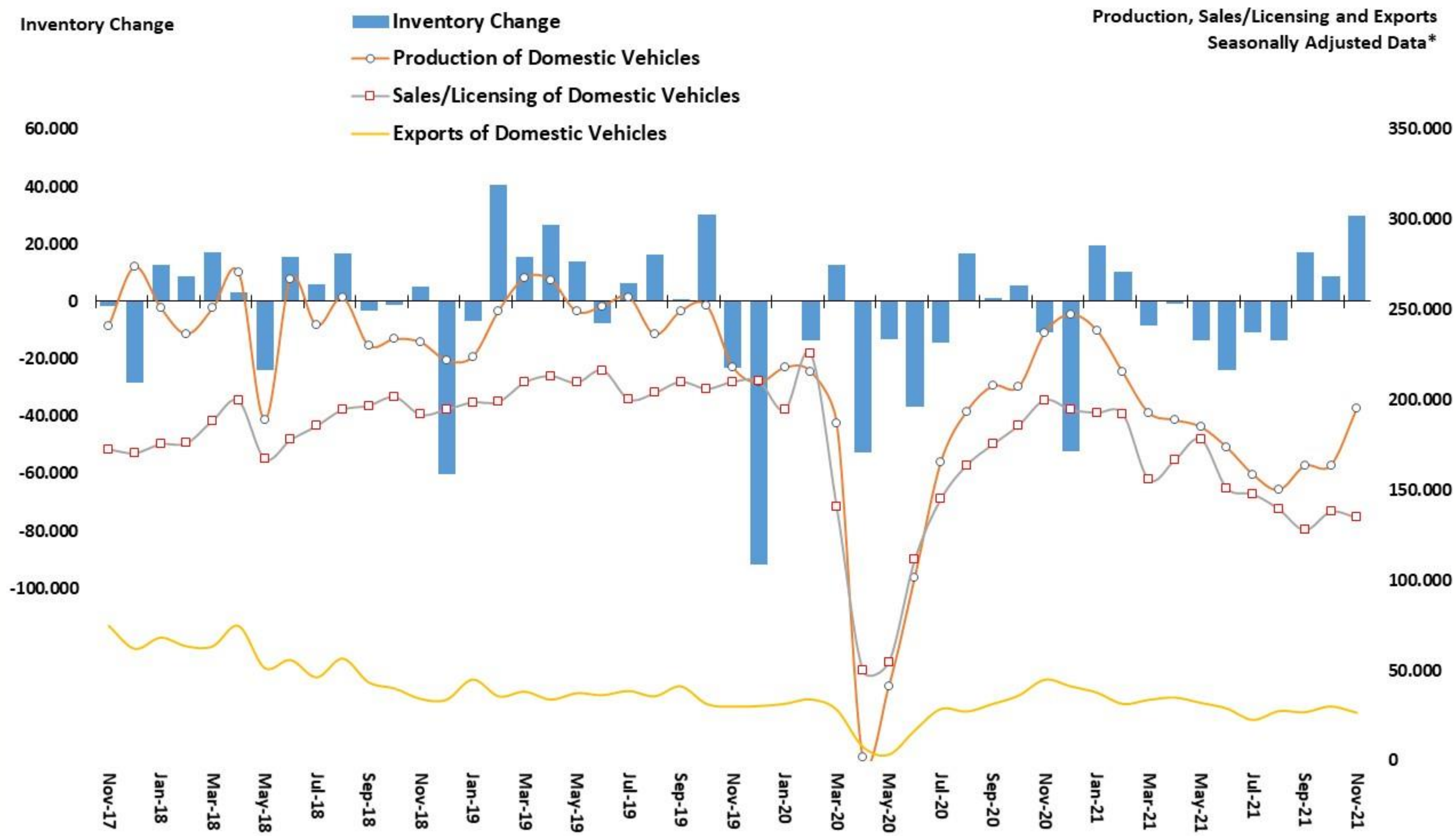
Source: CNI and FGV.

Anfavea: Automotive Sector Production



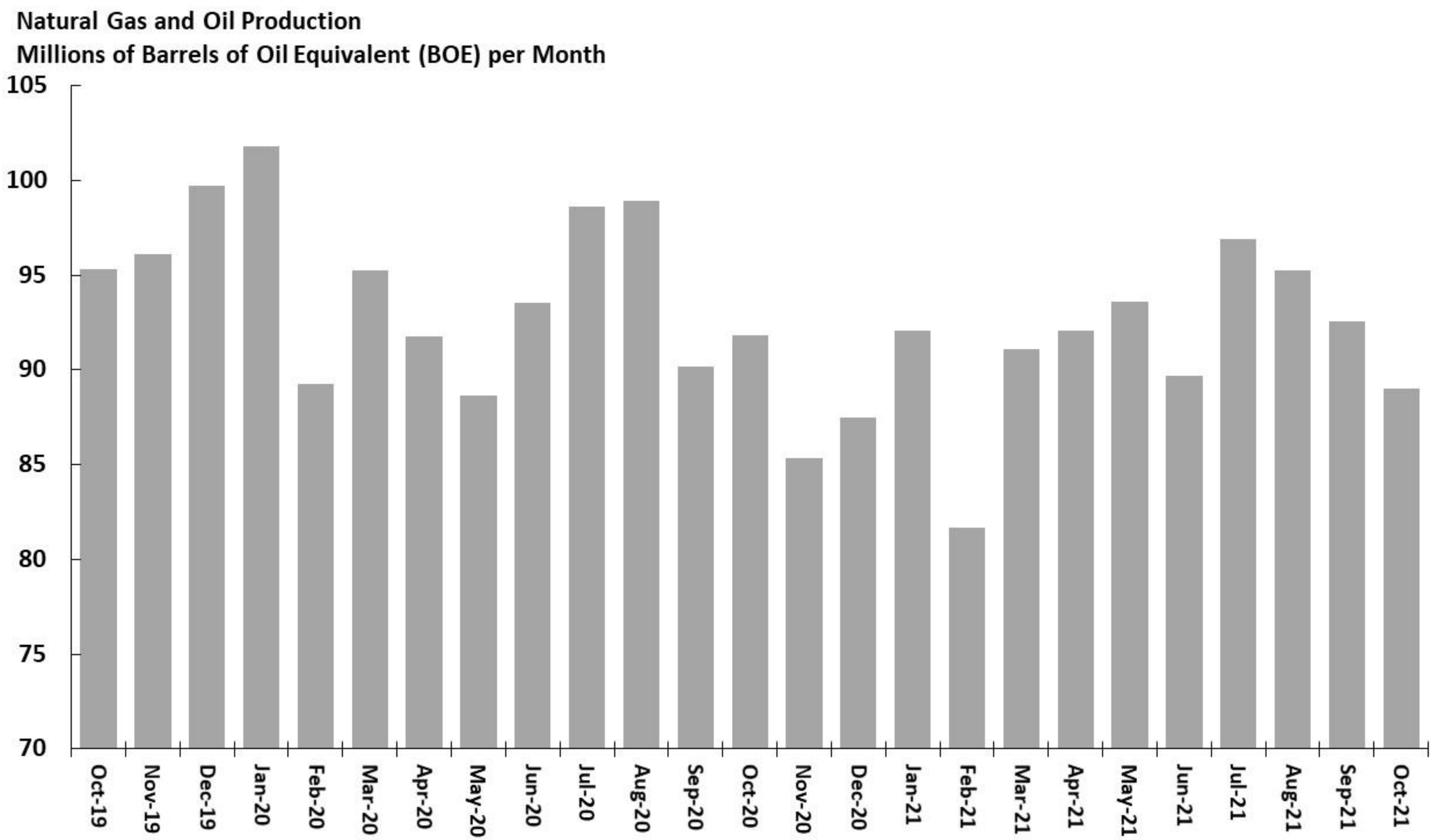
Source: ANFAVEA. * Seasonally adjusted by SPE.

Automotive Sector Production, Sales and Inventory Change



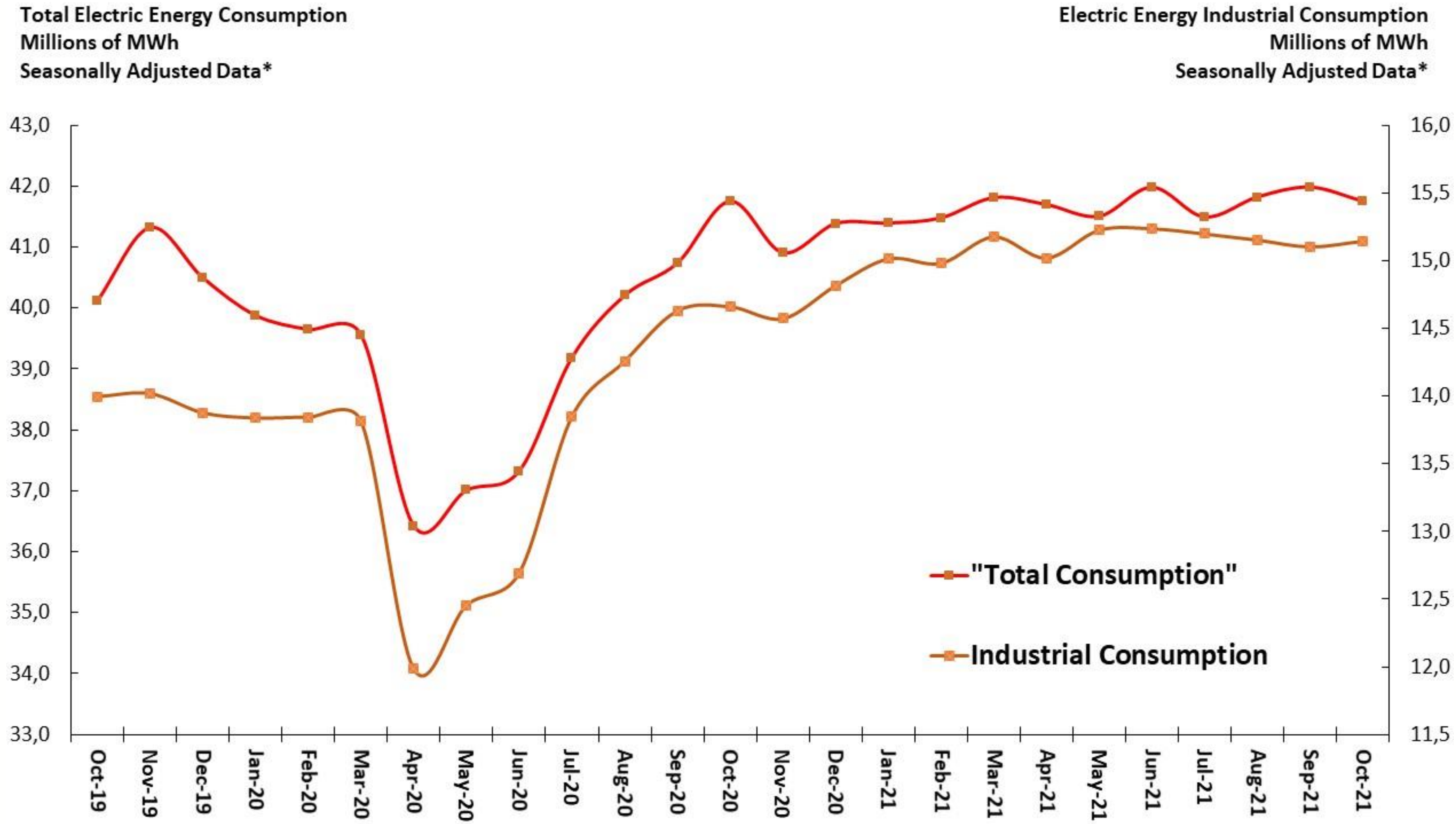
Source: ANFAVEA and FENABRAVE. * Seasonally adjusted by SPE.

ANP: Natural Gas and Oil Production



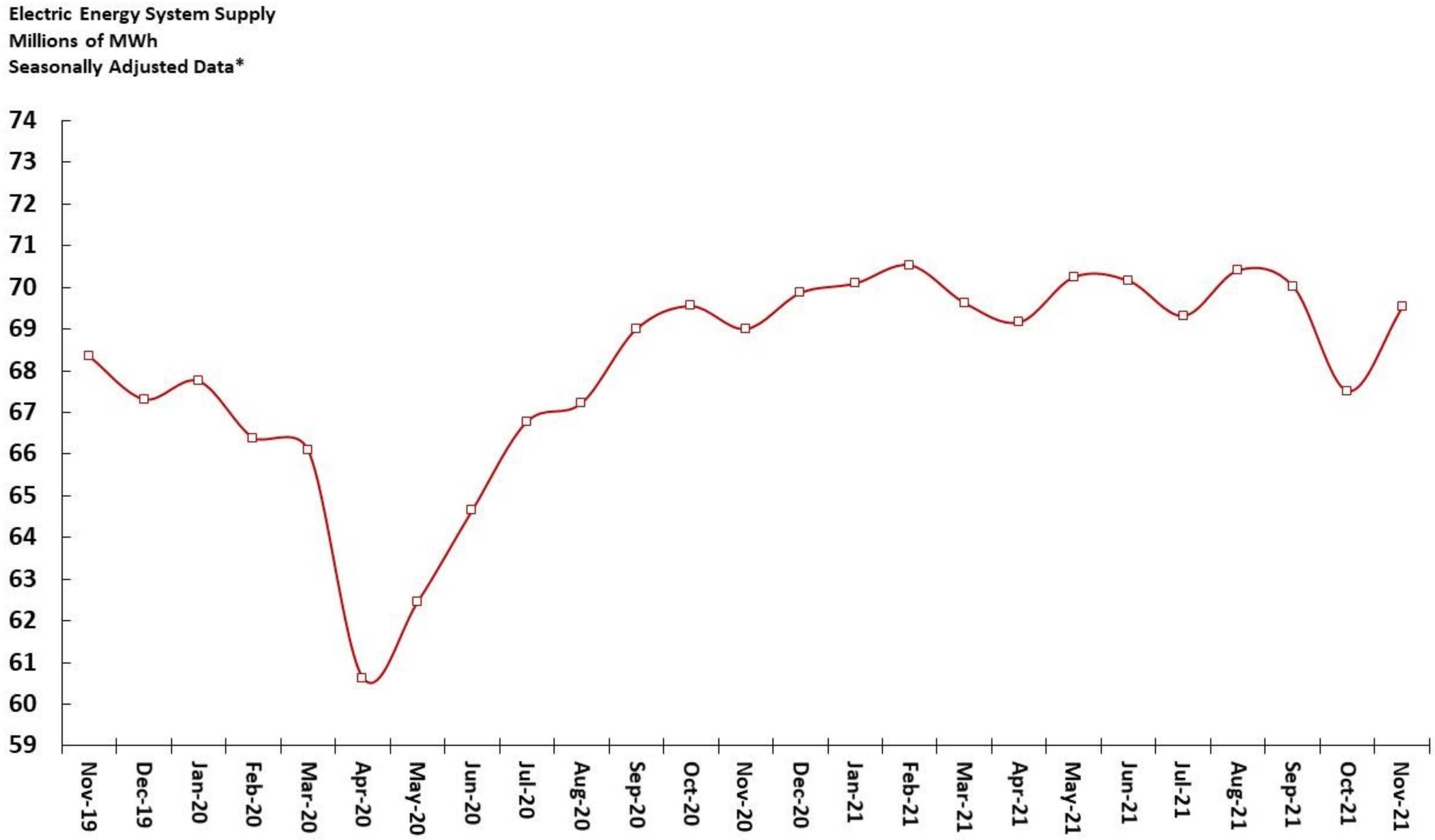
Source: ANP.

ANEEL: Electrical Energy Consumption



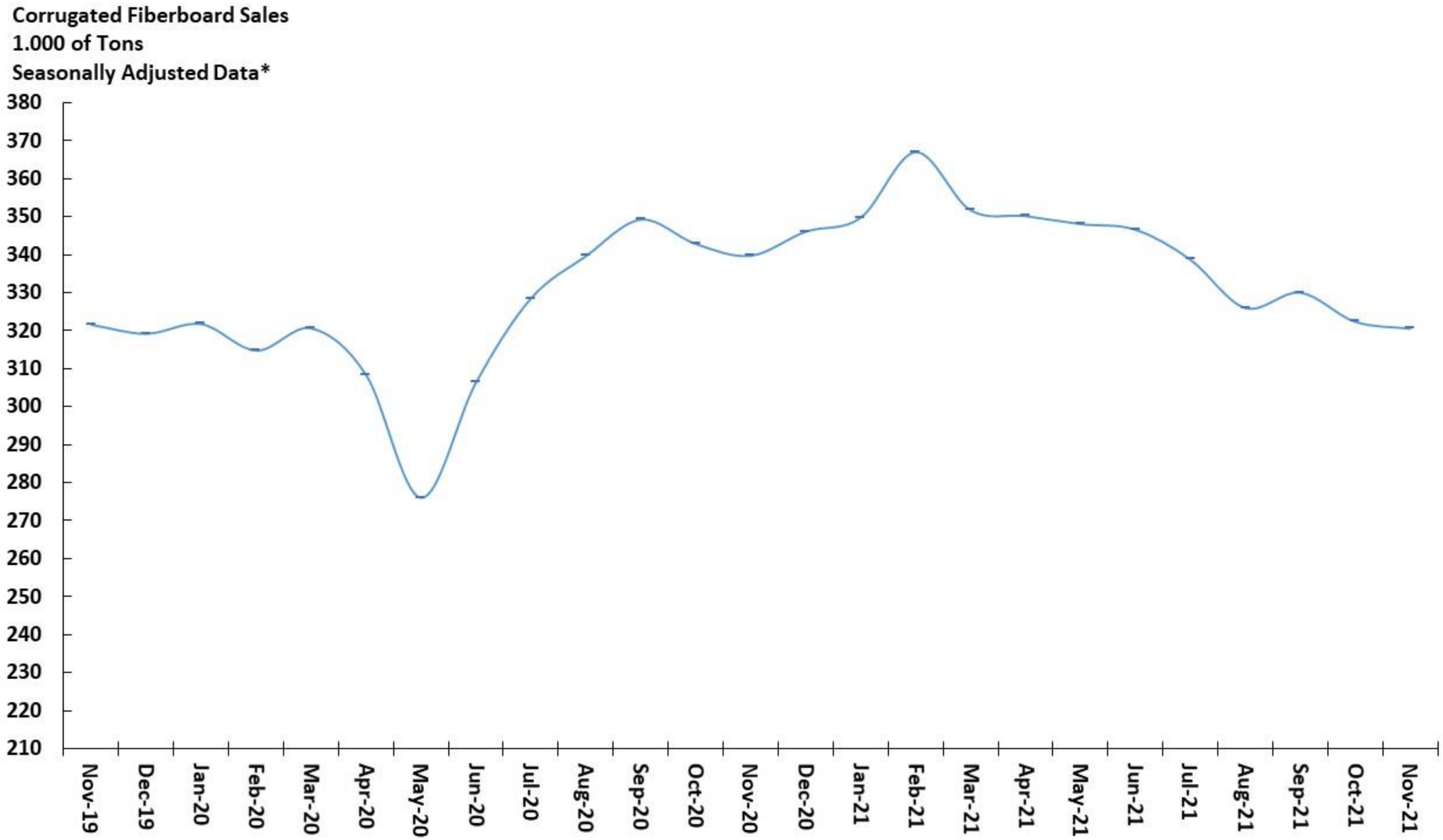
Source: ANEEL. * Seasonally adjusted by SPE/MP.

ONS: Electric Energy System Supply



Source: ONS. * Seasonally adjusted by SPE.

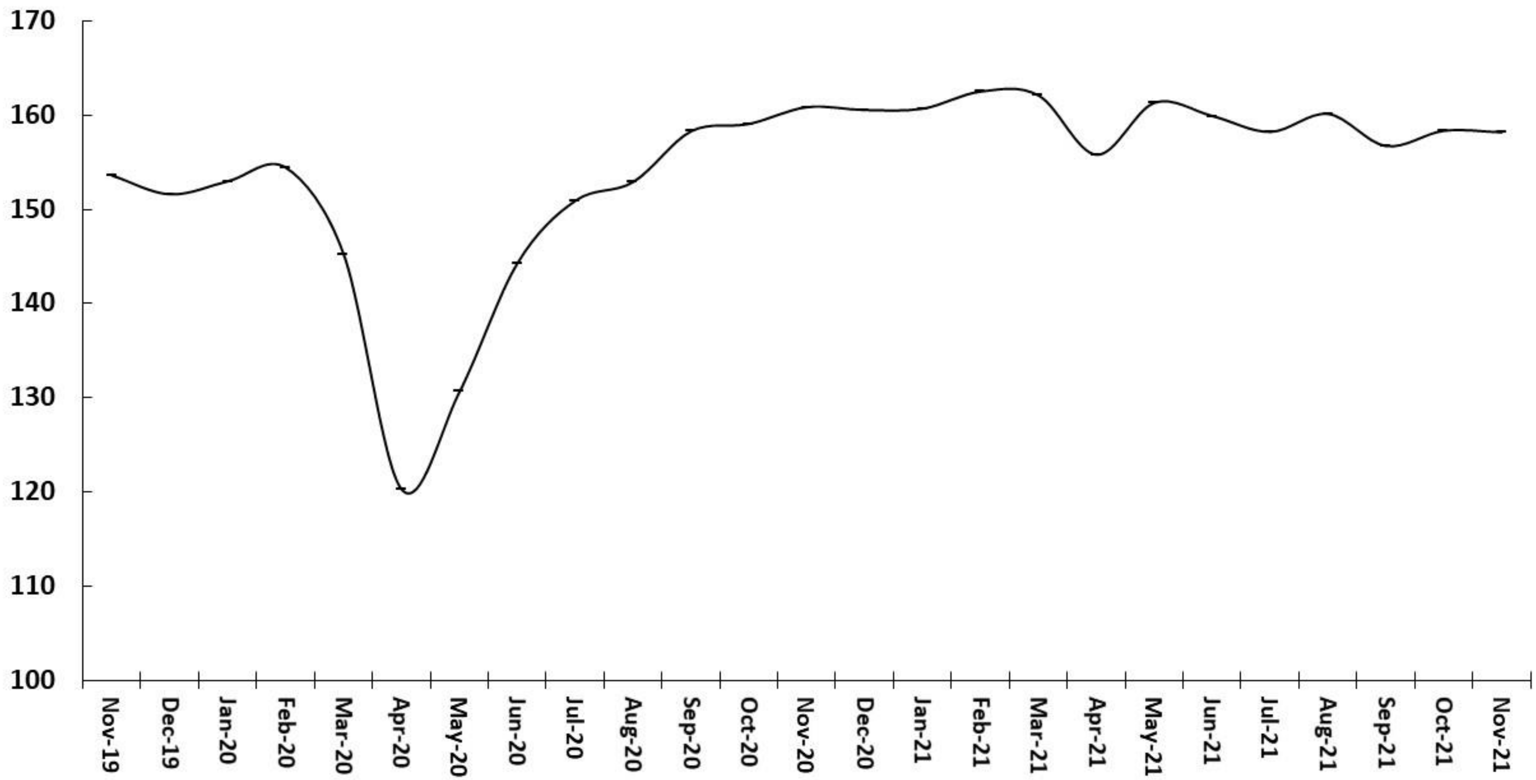
ABPO: Corrugated Fiberboard Sales



Source ABPO. * Seasonally adjusted by SPE.

ABCR: Heavy Vehicles Road Traffic Index

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



Source: ABCR.

Labor market

Labor Market

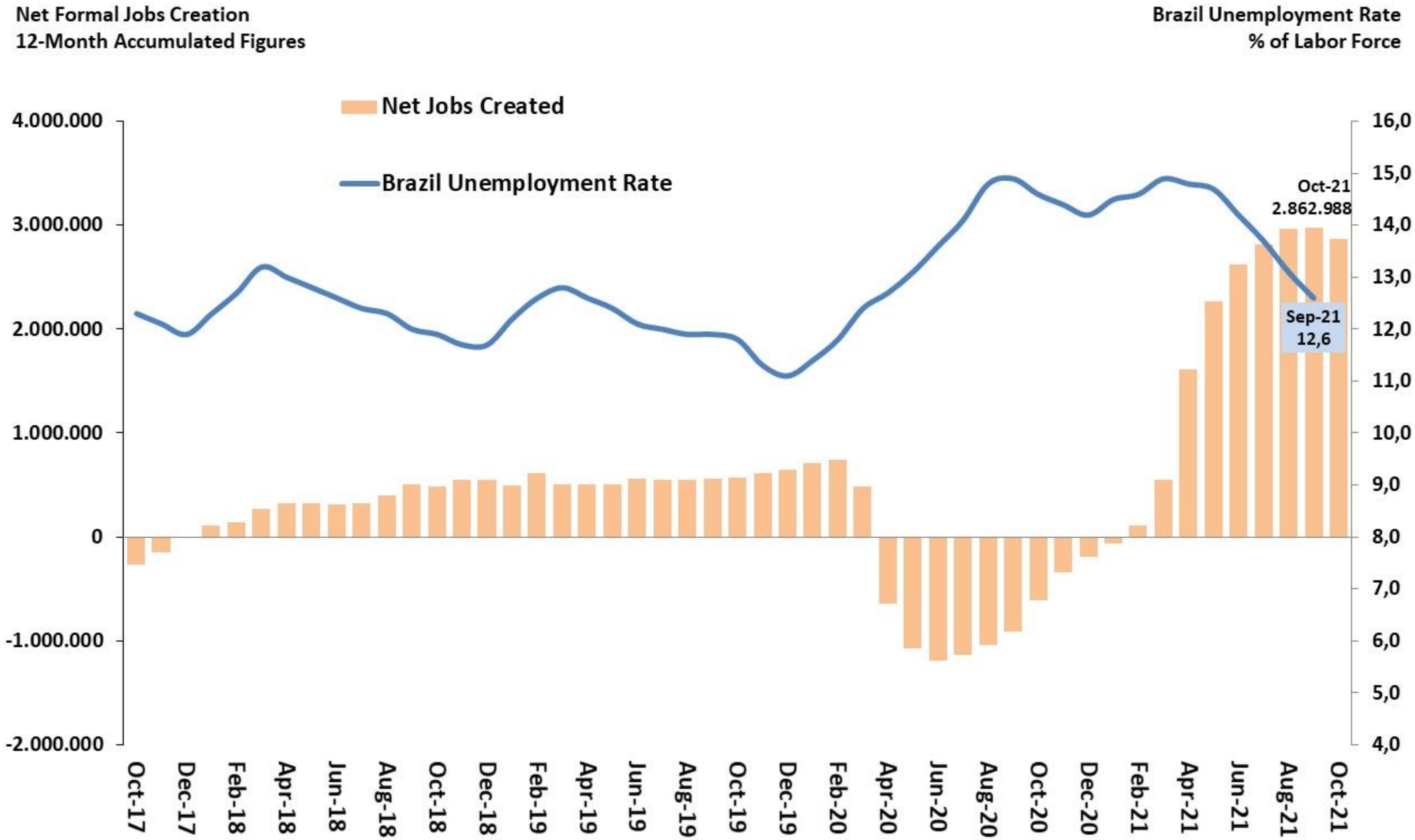
Employment Indicators Brasil (PNADC, IBGE) September-21	2019 average	2020 average	Sep/21 (12-months moving average)	Sep-21	chg.% 2020 / 2019	chg.% Aug/21-Aug/20	chg.% Sep/21-Sep/20	chg.% YTD 2020 / YTD 2019	chg.% Sep/21 - 2019 average
Unemployment Rate % Labor Force	**12.1**	**13.5**	**14.2**	**12.6**	**1.4 pp**	**-1.7 pp**	**-2.3 pp**	**0.9 pp**	**-0.9 pp**
Working Age Population (in thousands)	168,199	169,917	171,149	171,886	1.0%	1.0%	0.9%	1.0%	1.2%
Labor Force (in thousands)	106,981	101,254	103,037	106,430	-5.4%	9.0%	8.6%	2.3%	5.1%
Employed Population (in thousands)	94,089	87,638	88,420	92,976	-6.9%	11.1%	11.4%	1.2%	6.1%
Unemployed Population (in thousands)	12,892	13,617	14,617	13,454	5.6%	-3.1%	-7.8%	10.0%	-1.2%
Average Real Earnings (PNADC, IBGE) September-21 real values (in R$ of last month)	2019 average	2020 average	Sep/21 (12-months moving average)	Sep-21	chg.% 2020 / 2019	chg.% Aug/21-Aug/20	chg.% Sep/21-Sep/20	chg.% YTD 2020 / YTD 2019	chg.% Sep/21 - 2019 average
Employed Population	**2,583**	**2,690**	**2,605**	**2,459**	**4.2%**	**-9.4%**	**-11.1%**	**-4.2%**	**-8.6%**
Formal Contract	2,442	2,503	2,443	2,354	2.5%	-5.3%	-6.6%	-3.2%	-5.9%
Informal Contract	1,570	1,710	1,661	1,591	8.9%	-9.7%	-11.5%	-3.8%	-7.0%
Self-employed	1,900	1,956	1,928	1,879	3.0%	-4.8%	-5.0%	-1.9%	-4.0%
Public Sector	4,155	4,195	4,177	3,896	1.0%	-5.7%	-9.4%	-0.6%	-7.1%
Real Wage Bill (in R$ milions of last months)	**237,332**	**230,160**	**224,869**	**223,549**	**-3.0%**	**0.7%**	**-0.7%**	**-3.1%**	**-2.9%**
Formal Jobs (CAGED, MTE) October-21 Million people	2019	2020	Sep/21 accum. in 12-months	Oct/21 accum. in 12-months	Year-To-Date	Oct-21	chg.% 2020 / 2019	chg.% Oct/21 accum.12-m / 2019	chg.% YTD 2020 / YTD 2019
Net Formal Jobs Creation	**644**	**-192**	**2,976**	**2,863**	**2,646**	**253**	**-129.7%**	**-1595.0%**	**-647.7%**
Job Oppenings	16,197	15,619	20,091	20,188	17,209	1,761	-3.6%	29.3%	136.1%
Job Separations	15,553	15,811	17,115	17,325	14,564	1,508	1.7%	9.6%	111.6%

Macroeconomic Parameters

Macroeconomic Parameters						
Year	Labor Force	Formal Jobs in Private Sector				
		Employed Population	Earnings		Wage Bill	
			Nominal	Real	Nominal	Real
	Chg. % accum. In 4-trimesters					
2015	1.91	-2.45	8.06	-0.91	5.40	-3.33
2016	1.45	-3.89	7.57	-1.10	3.39	-4.95
2017	1.77	-2.71	5.71	2.23	2.86	-0.55
2018	0.86	-1.16	3.71	-0.03	2.51	-1.19
2019	1.54	1.08	3.16	-0.55	4.28	0.52
2020	-6.13	-7.81	5.98	2.66	-2.34	-5.37
2021	**3.63**	**0.16**	**4.19**	**-2.92**	**4.46**	**-2.75**
2022	**4.30**	**6.04**	**6.22**	**1.03**	**12.59**	**7.14**
2023	**2.18**	**3.26**	**2.79**	**1.16**	**6.13**	**4.46**
2024	**2.13**	**2.59**	**2.64**	**1.20**	**5.31**	**3.82**
2025	**2.13**	**2.49**	**2.70**	**1.20**	**5.26**	**3.72**

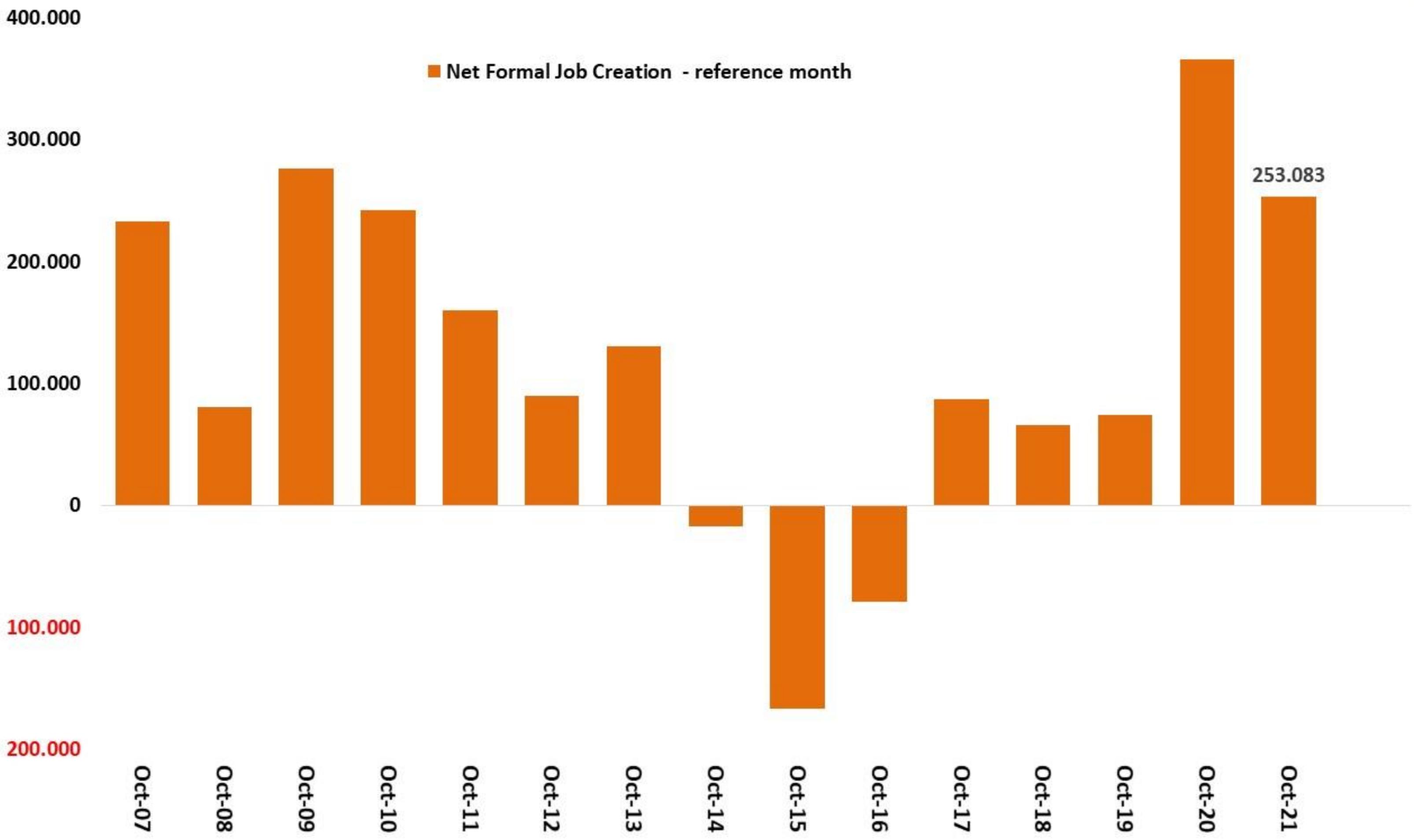
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Unemployment Rate and Net Formal Job Creation



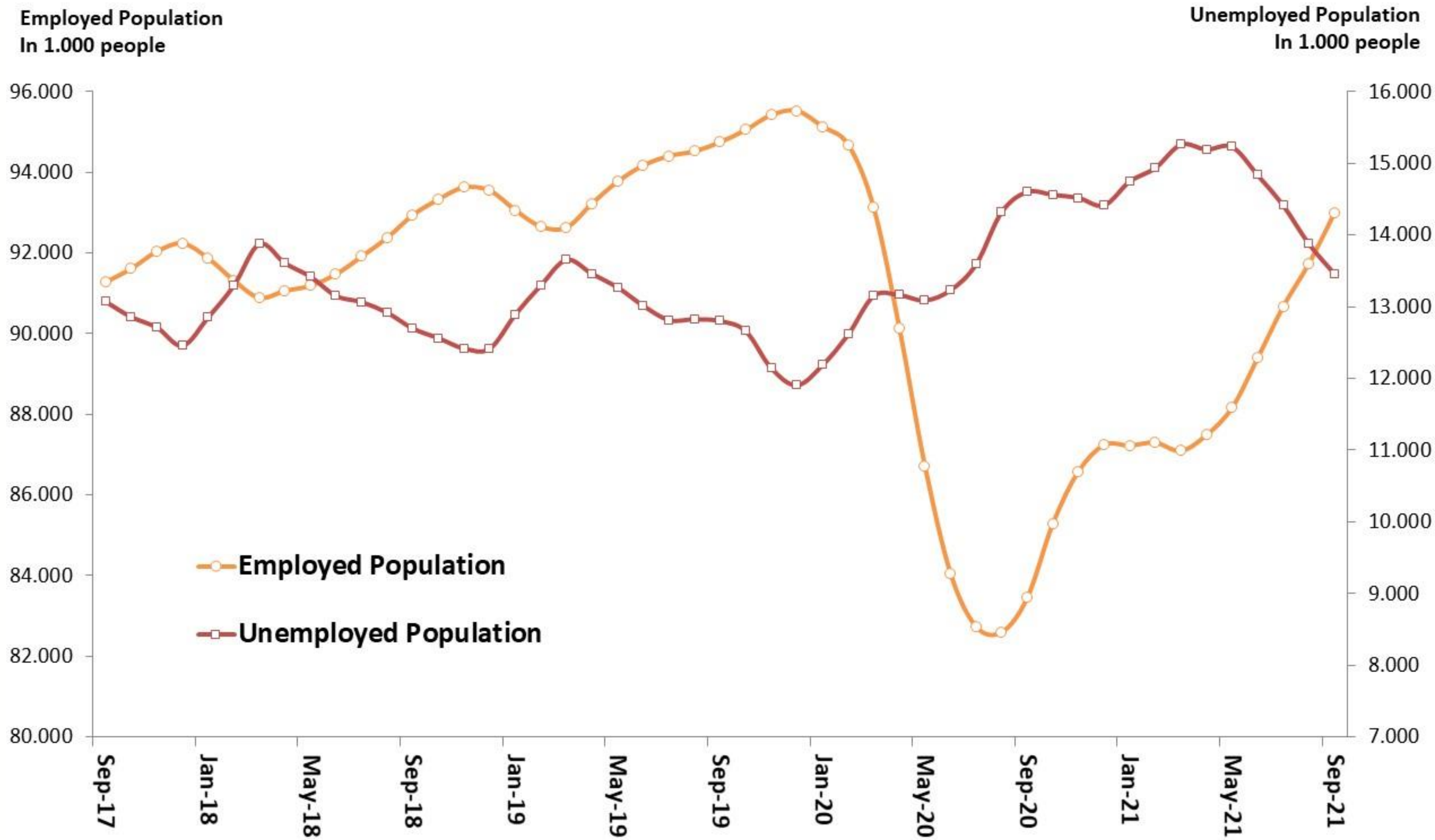
Sources: IBGE - PNADC and ME-CAGED (adjusted data).

Net Formal Job Creation on Month



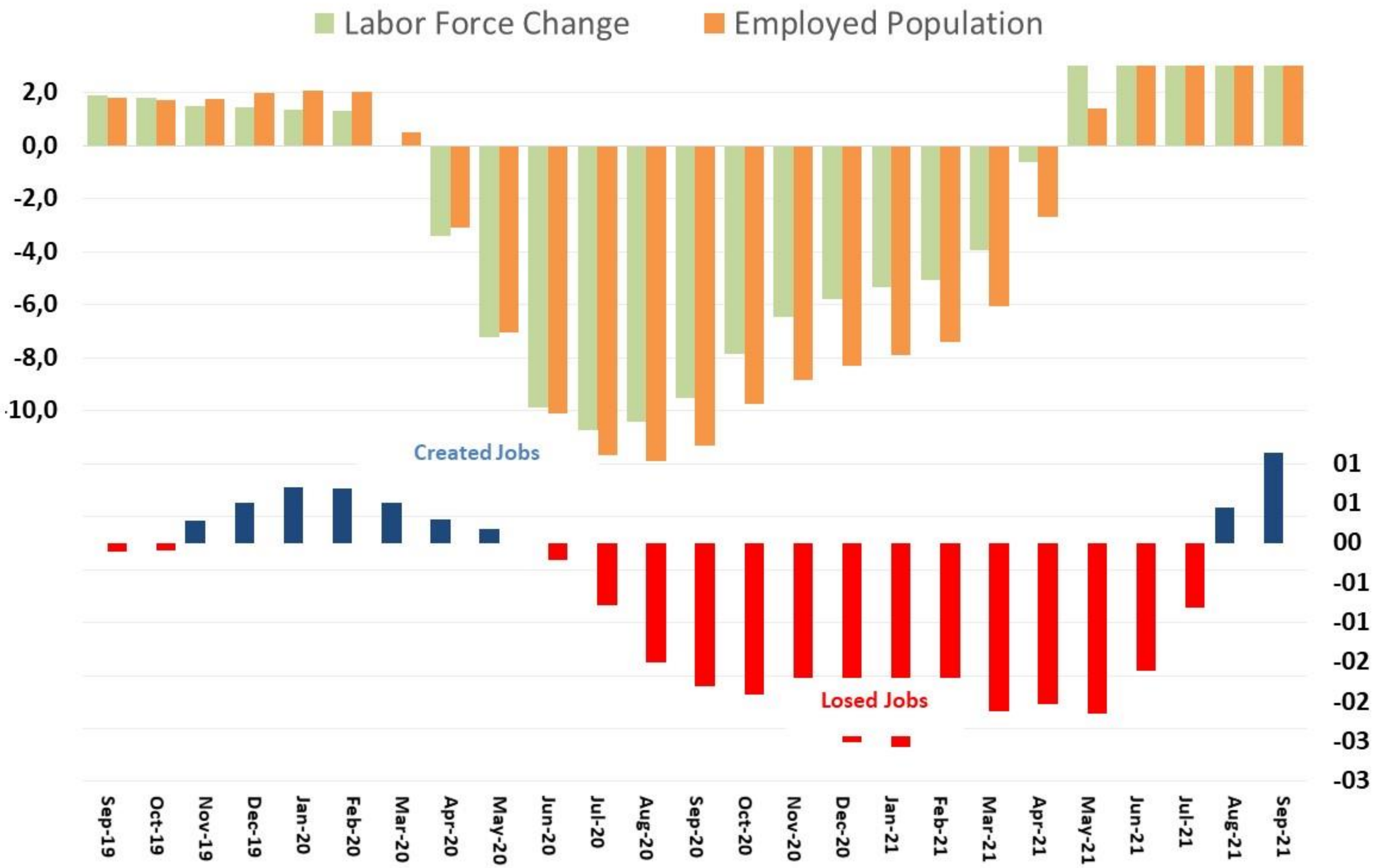
Source: ME-CAGED (adjusted data).

Employed Population and Labor Force Evolution



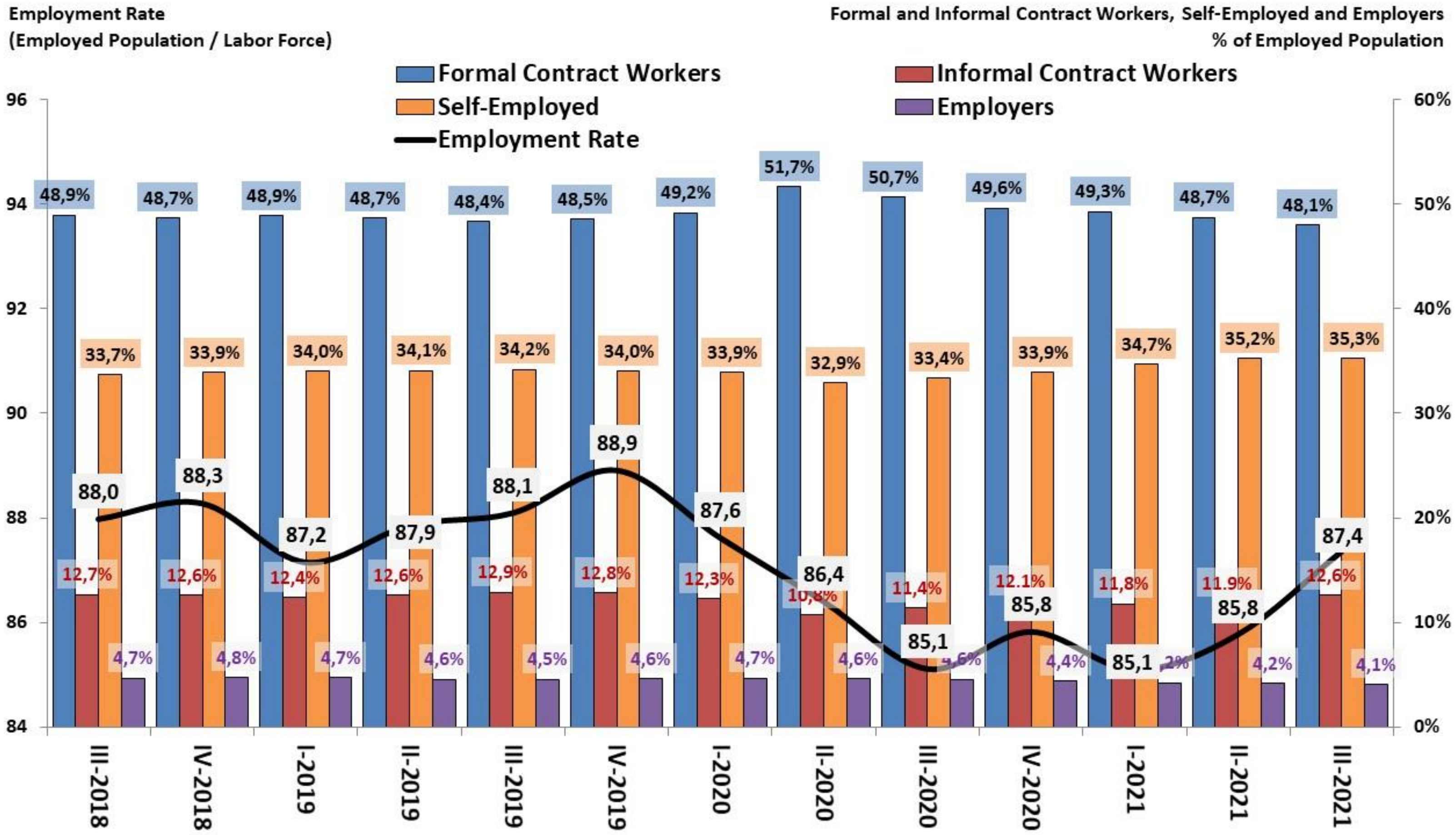
Source: IBGE - PNADC.

12-Month Total Unemployment Increase Decomposition



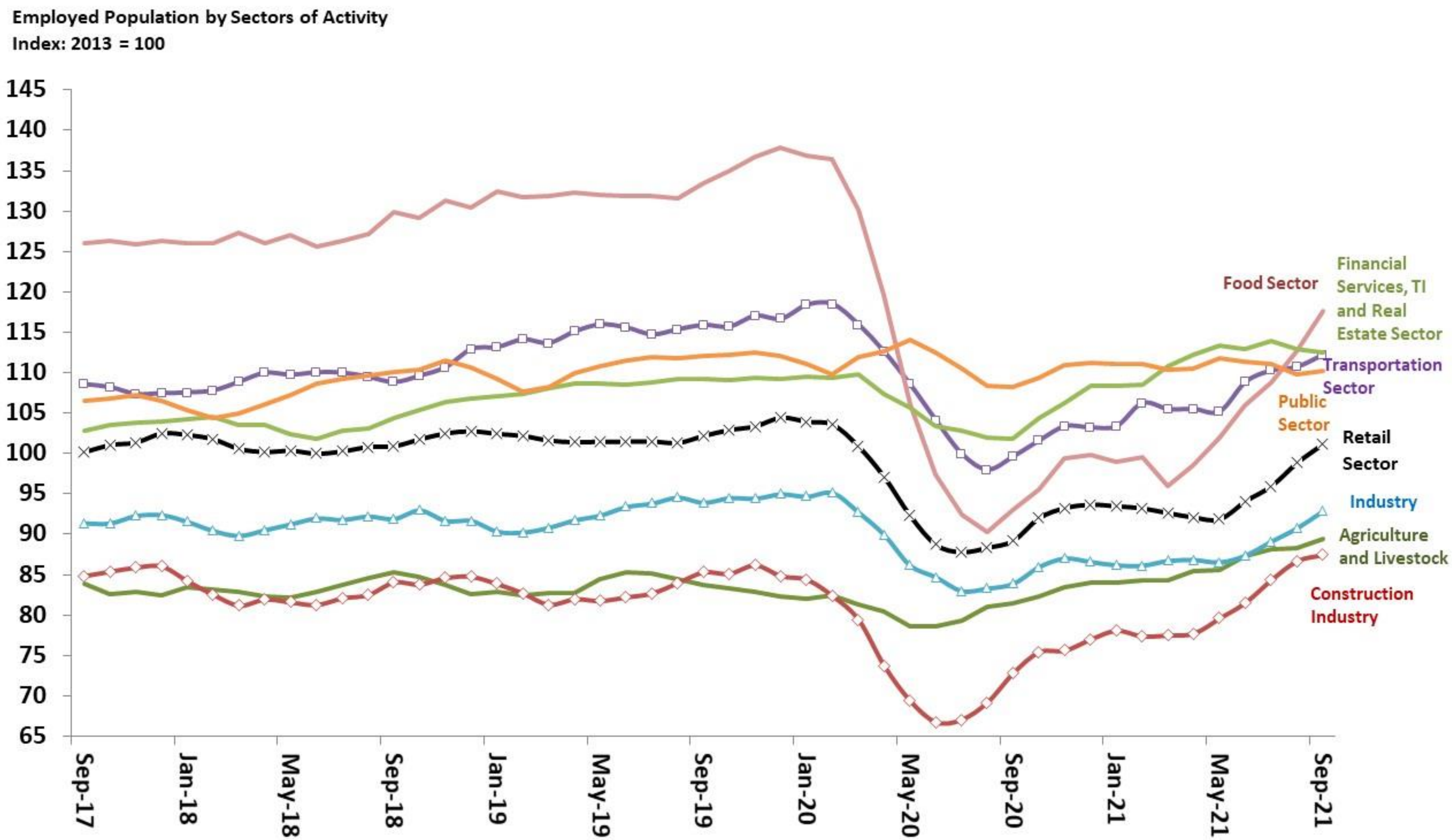
Source: IBGE - PNADC.

Labor Market Evolution by Employment Type



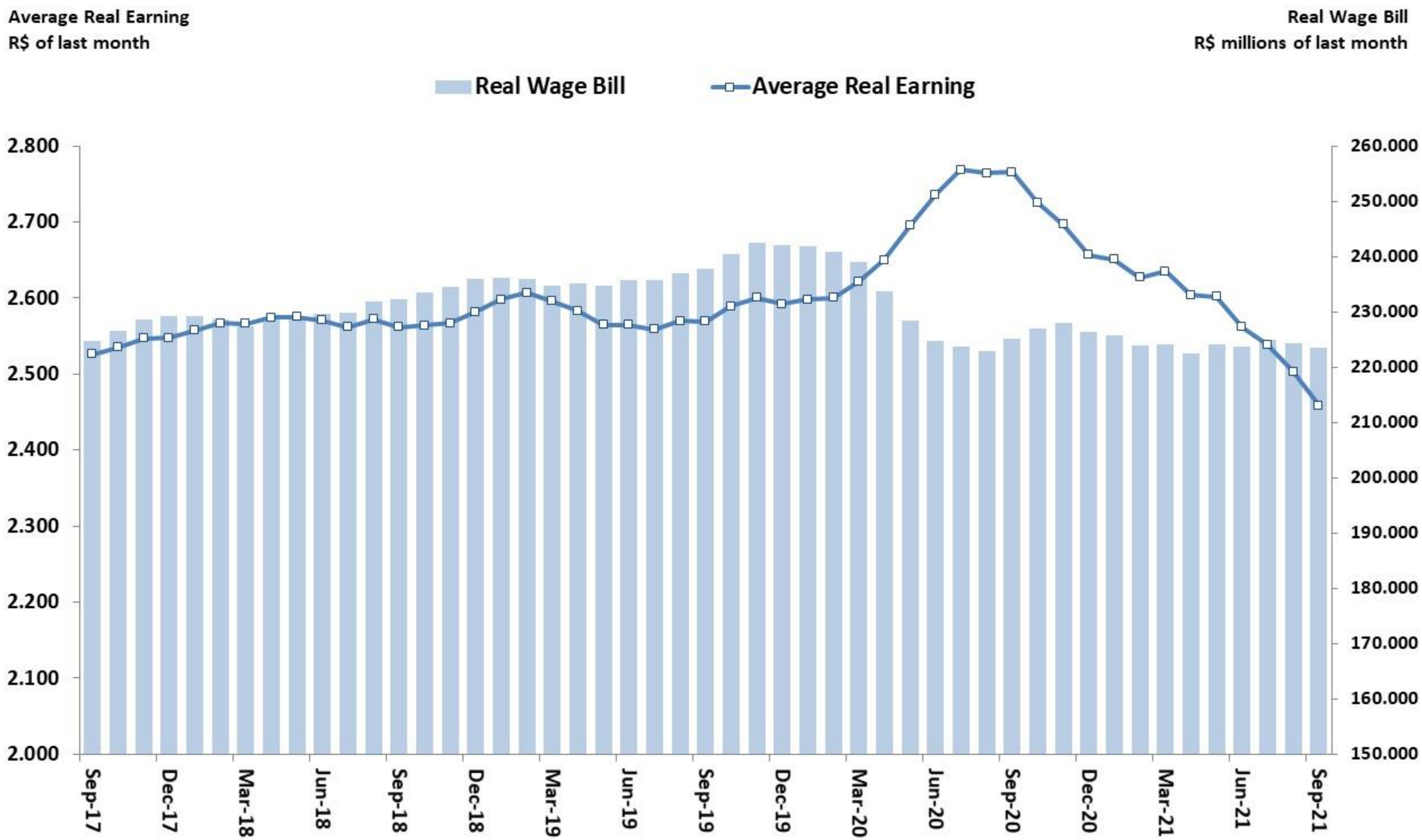
Source: IBGE - PNADC. Note: Formal contract includes both private and public sectors and Self-Employed includes home-workers and family-workers.

Employment by Sector of Activity



Source: IBGE - PNADC.

Real Wage Bill and Average Real Earning



Source: IBGE - PNADC.

Inflation

Inflation – Main Indices

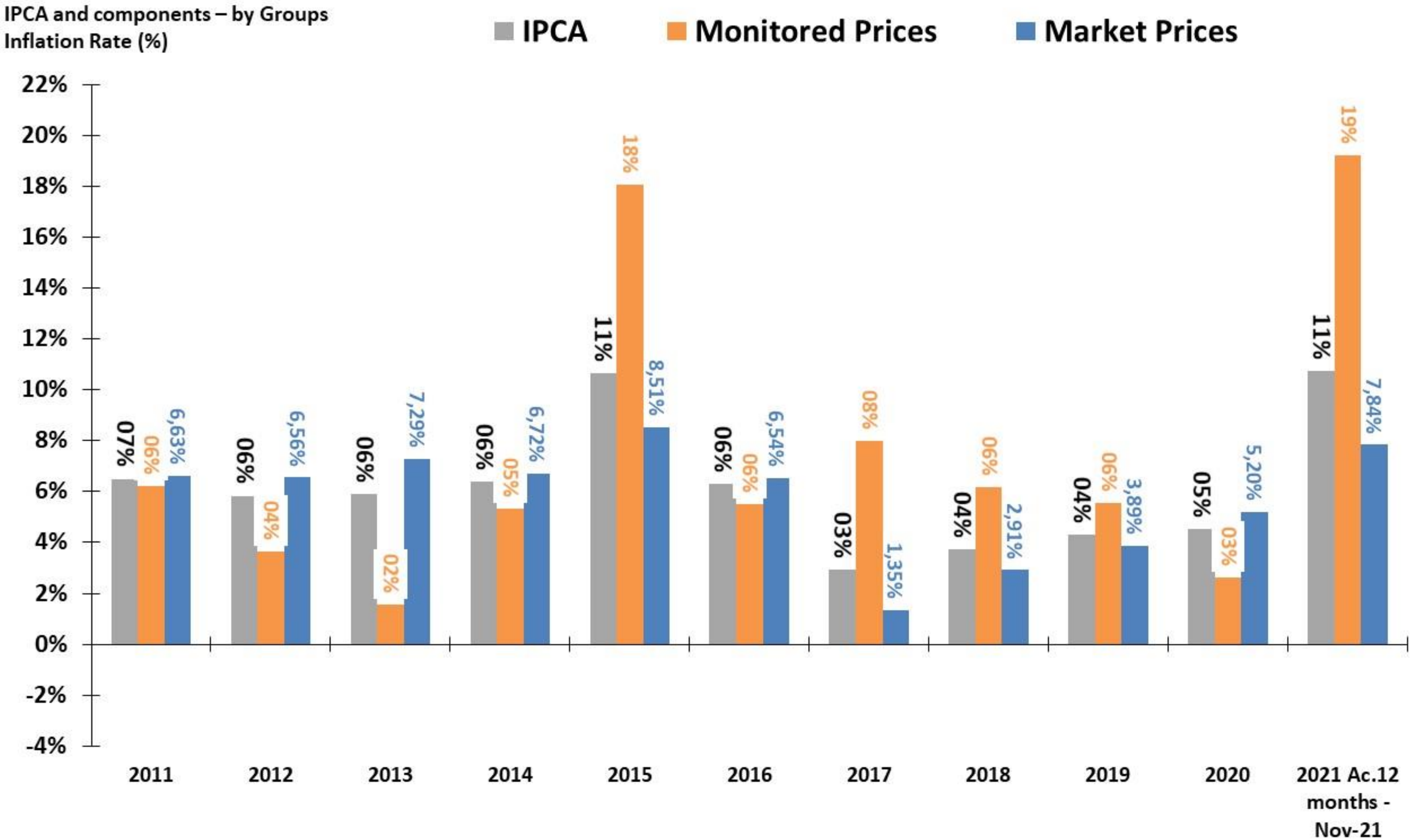
													BCB/Focus:	12/10/21	
Inflation Index	**Last update (m / y)**	**2019**	**2020**	**Accum. In 12-months**	**YTD Tuesday**	**YTD Wednesday**	**(m-2/y-1)**	**(m-1/y-1)**	**(m/y-1)**	**(m-2/y)**	**(m-1/y)**	**(m / y)**	**2021**	**2022**	**2023**
IPCA Inflation Target (CMN)		**4.3%**	**4.0%**	**3.8%**									**3.75%**	**3.50%**	**3.25%**
Consumer Price Index IPCA (IBGE)	**Nov-21**	**4.31%**	**4.52%**	**10.74%**	**3.13%**	**9.26%**	**0.64%**	**0.86%**	**0.89%**	**1.16%**	**1.25%**	**0.95%**	**10.05%**	**5.02%**	**3.46%**
IPCA core (By exclusion food and energy - Ex2)	**Nov-21**	3.4%	2.8%	8.1%	1.6%	6.9%	0.2%	0.5%	0.4%	1.0%	1.0%	1.0%			
Food and Beverages	**Nov-21**	6.4%	14.1%	8.9%	12.2%	7.0%	2.3%	1.9%	2.5%	1.0%	1.2%	0.0%			
Housing	**Nov-21**	3.9%	5.3%	15.4%	2.3%	12.2%	0.4%	0.4%	0.4%	2.6%	1.0%	1.0%			
Household Articles	**Nov-21**	-0.4%	6.0%	12.5%	4.2%	10.6%	1.0%	1.5%	0.9%	0.9%	1.3%	1.0%			
Apparel	**Nov-21**	0.7%	-1.1%	8.7%	-1.7%	8.1%	0.4%	1.1%	0.1%	0.3%	1.8%	1.0%			
Transportation	**Nov-21**	3.6%	1.0%	22.0%	-0.3%	20.3%	0.7%	1.2%	1.3%	1.8%	2.6%	3.4%			
Health and Personal Care	**Nov-21**	5.4%	1.5%	3.3%	1.1%	2.9%	-0.6%	0.3%	-0.1%	0.4%	0.4%	-0.6%			
Personal Expenses	**Nov-21**	4.7%	1.0%	4.8%	0.4%	4.2%	0.1%	0.2%	0.0%	0.6%	0.8%	0.6%			
Education	**Nov-21**	4.8%	1.1%	3.3%	0.7%	2.8%	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%			
Communication	**Nov-21**	1.1%	3.4%	1.4%	3.0%	1.0%	0.2%	0.2%	0.3%	0.1%	0.5%	0.1%			
Consumer Price Index INPC (IBGE)	**Nov-21**	**2.07%**	**3.43%**	**10.96%**	**3.93%**	**9.36%**	**0.87%**	**0.89%**	**0.95%**	**1.20%**	**1.16%**	**0.84%**			
Consumer Price Index IPCA - 15 (IBGE)	**Nov-21**	**3.91%**	**4.23%**	**10.73%**	**3.13%**	**9.57%**	**0.45%**	**0.94%**	**0.81%**	**1.14%**	**1.20%**	**1.17%**			
General Price Index IGP-10 (FGV)	**Dec-21**	**-0.42%**	**7.92%**	**17.30%**	**24.15%**	**24.47%**	**3.20%**	**3.51%**	**1.97%**	**-0.31%**	**1.19%**	**-0.14%**			
General Price Index IGP-M (FGV)	**Nov-21**	**-0.53%**	**7.55%**	**17.90%**	**21.97%**	**24.52%**	**4.34%**	**3.23%**	**3.28%**	**-0.64%**	**0.64%**	**0.02%**	**17.47%**	**5.41%**	**4.00%**
General Price Index IGP-DI (FGV)	**Nov-21**	**-0.42%**	**7.10%**	**17.17%**	**0.09%**	**16.29%**	**3.30%**	**3.68%**	**2.64%**	**-0.55%**	**1.60%**	**-0.58%**			
Consumer Price Subindex IPC/Br-DI	**Nov-21**	**3.22%**	**4.34%**	**9.88%**	**0.59%**	**8.72%**	**0.82%**	**0.65%**	**0.94%**	**1.43%**	**0.77%**	**1.08%**			
Construction Cost Subindex INCC-DI	**Nov-21**	**4.25%**	**3.83%**	**14.24%**	**0.38%**	**13.45%**	**1.16%**	**1.73%**	**1.28%**	**0.51%**	**0.86%**	**0.67%**			
Wholesale Price Subindex IPA-DI	**Nov-21**	**-2.52%**	**8.73%**	**19.59%**	**-0.13%**	**18.78%**	**4.38%**	**4.86%**	**3.31%**	**-1.17%**	**1.90%**	**-1.16%**			
IPA-DI Industry	**Nov-21**	1.22%	9.16%	23.09%	0.14%	19.54%	2.78%	2.99%	1.99%	-1.64%	2.72%	-0.93%			
IPA-DI Agriculture	**Nov-21**	-12.34%	7.52%	11.79%	-0.88%	17.01%	8.57%	9.51%	6.39%	-0.04%	-0.06%	-1.71%			
São Paulo Consumer Price Index IPC RMSP (FIPE)	**Nov-21**	**2.28%**	**2.99%**	**9.96%**	**4.79%**	**9.11%**	**1.12%**	**1.19%**	**1.03%**	**1.13%**	**1.00%**	**0.72%**			

Macroeconomic Parameters

Macroeconomic Parameters						
Year	Inflation					
	IPCA		INPC		IGP-DI	
	Annual Average	Annual Accum.	Annual Average	Annual Accum.	Annual Average	Annual Accum.
	Chg. %					
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	3.73	4.31	3.75	4.48	6.05	7.70
2020	3.21	4.52	3.61	5.45	13.05	23.08
2021	**8.25**	**9.70**	**8.98**	**10.04**	**27.54**	**18.66**
2022	**7.42**	**4.70**	**7.43**	**4.25**	**7.96**	**5.42**
2023	**3.90**	**3.25**	**3.66**	**3.25**	**4.89**	**4.24**
2024	**3.11**	**3.00**	**3.11**	**3.00**	**4.15**	**4.14**
2025	**3.00**	**3.00**	**3.00**	**3.00**	**4.00**	**3.89**

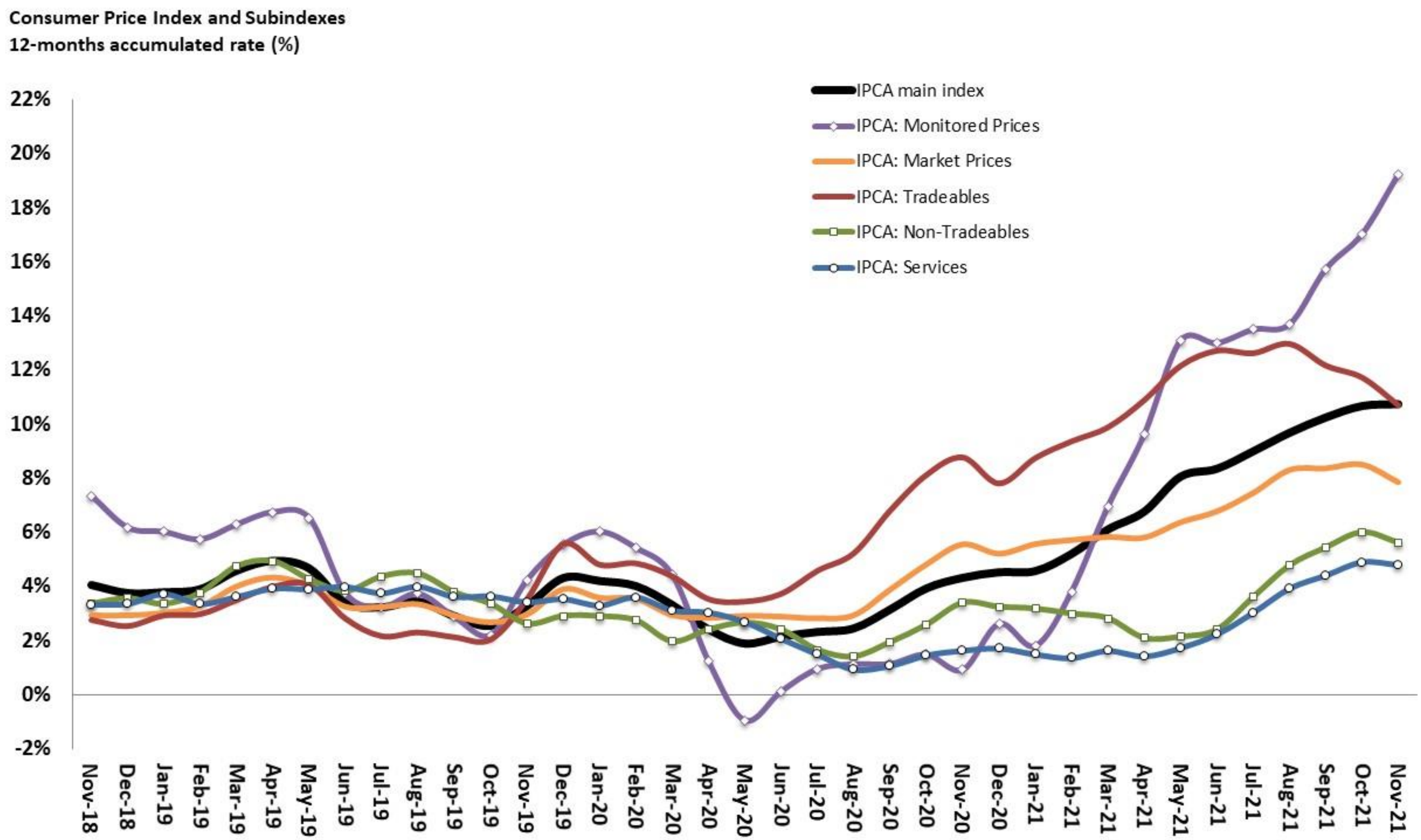
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Relative Prices Convergence in the Consumer Price Index



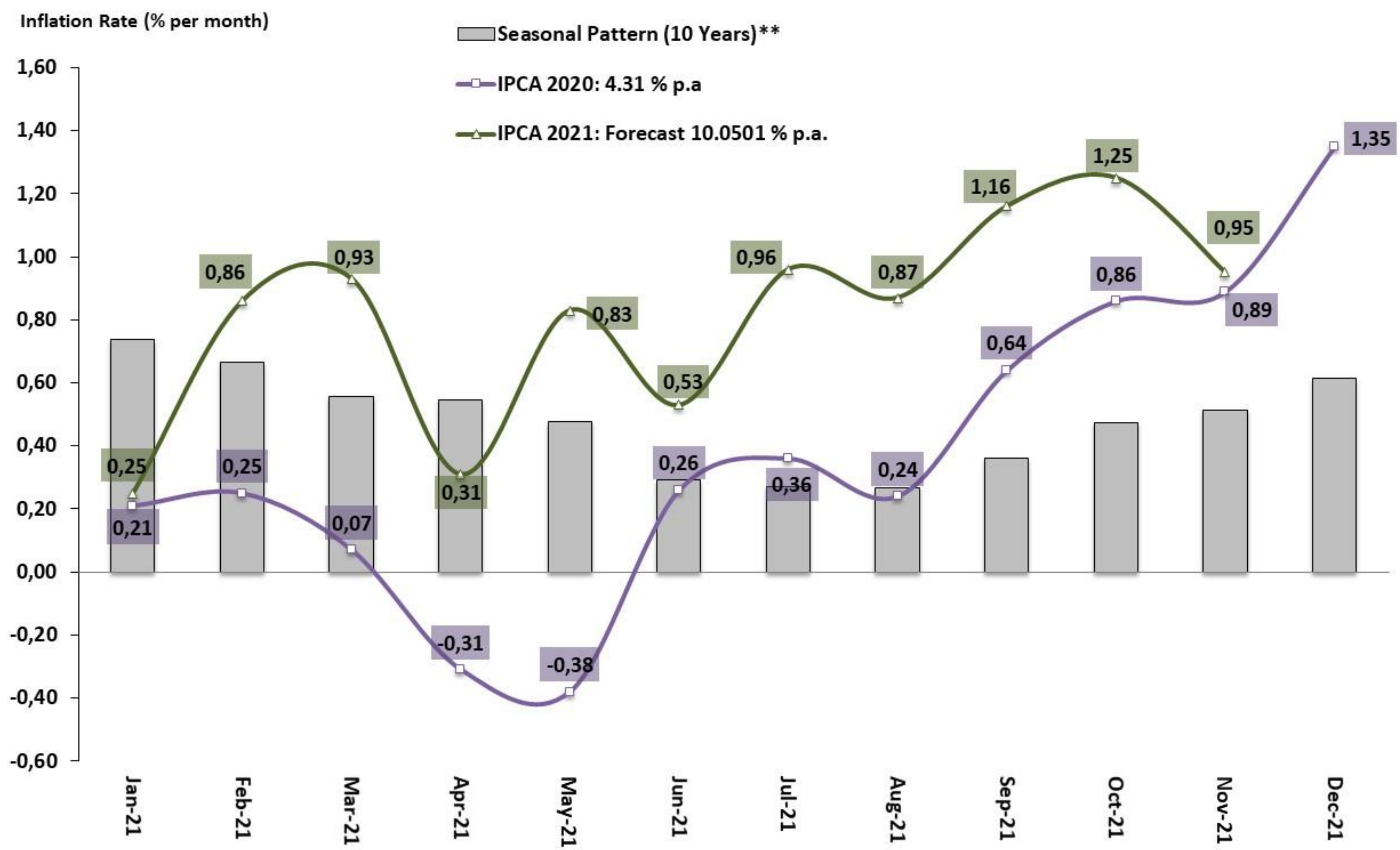
Source: IBGE.

Consumer Price Index (IPCA) and Subindices



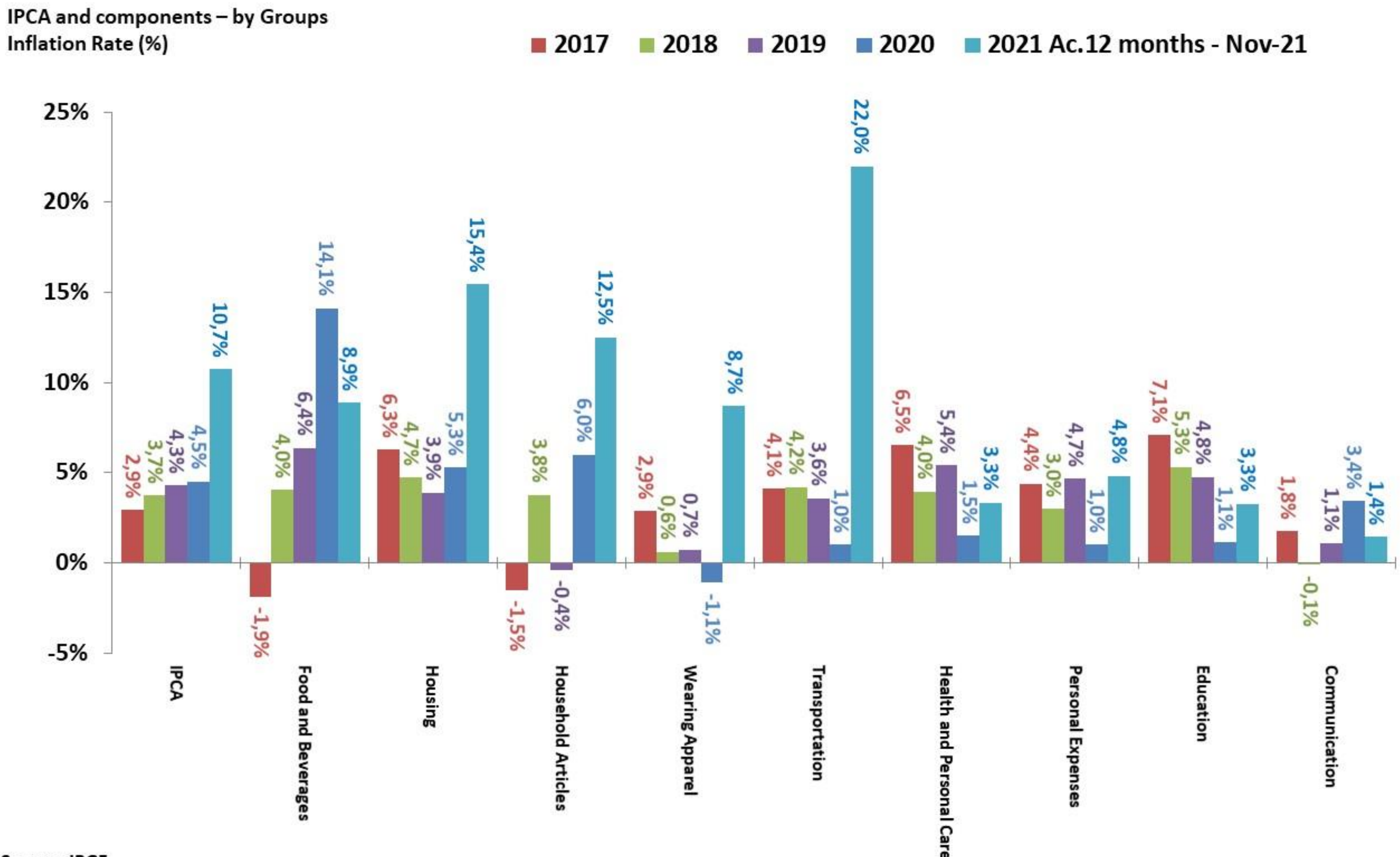
Source: IBGE

Consumer Price Index (IPCA) and Seasonal Pattern



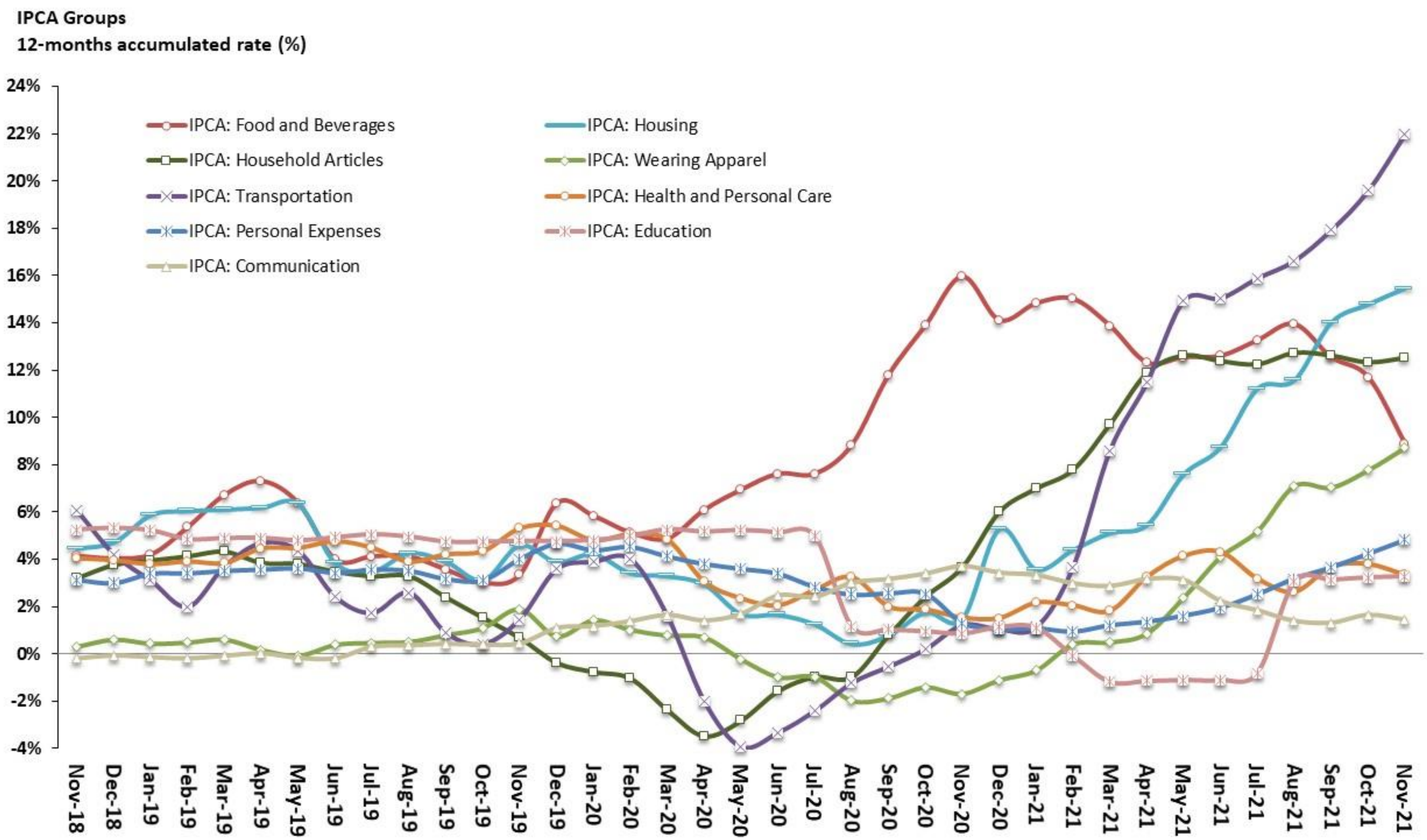
Sources: IBGE and Central Bank of Brazil. * Annual Forecast: Central Bank of Brazil, Focus Survey, 12/10/2021 *Seasonal pattern estimated by SPE.

Consumer Price Index (IPCA) by Groups



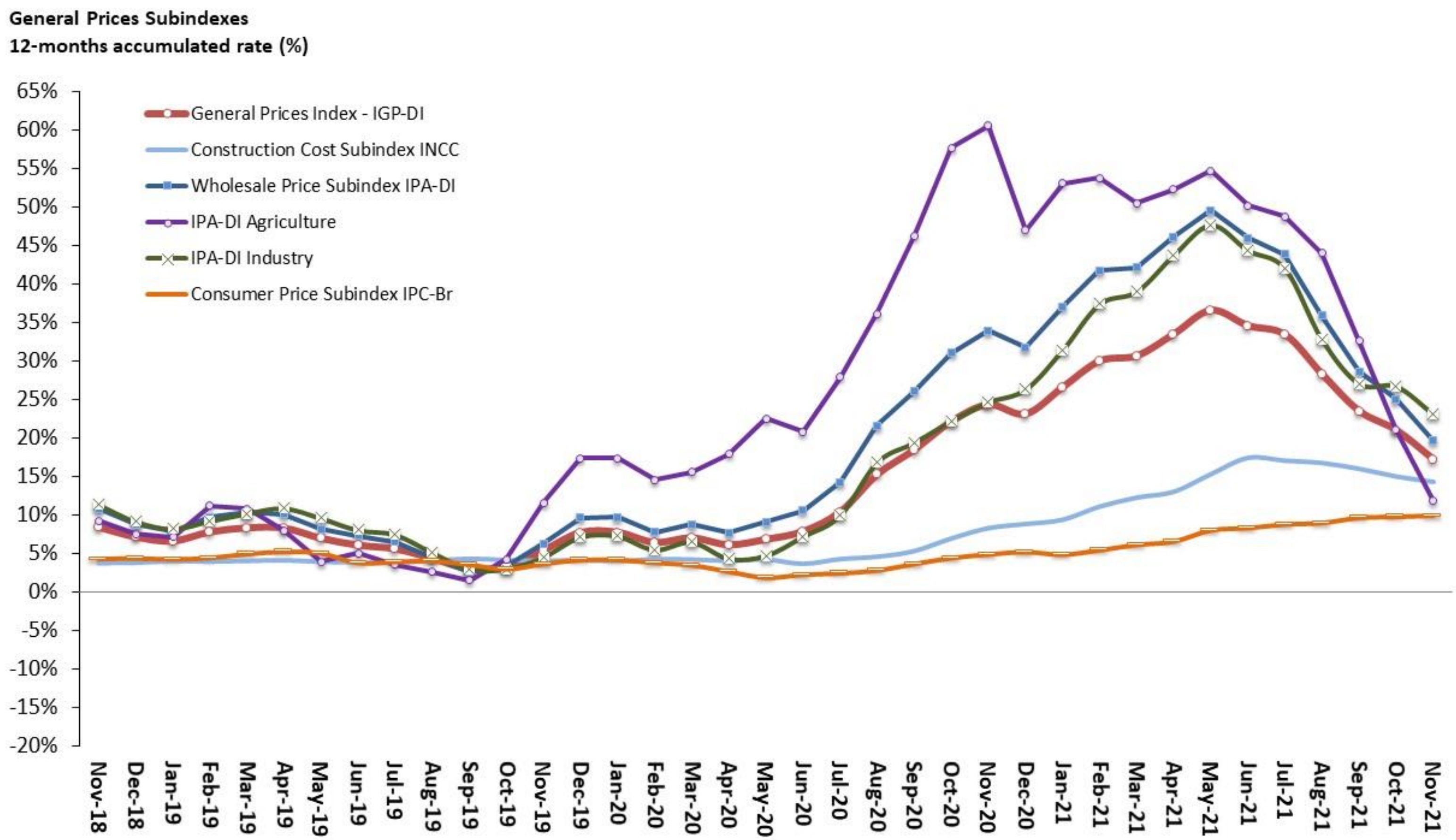
Source: IBGE.

Consumer Price Index (IPCA) by Groups



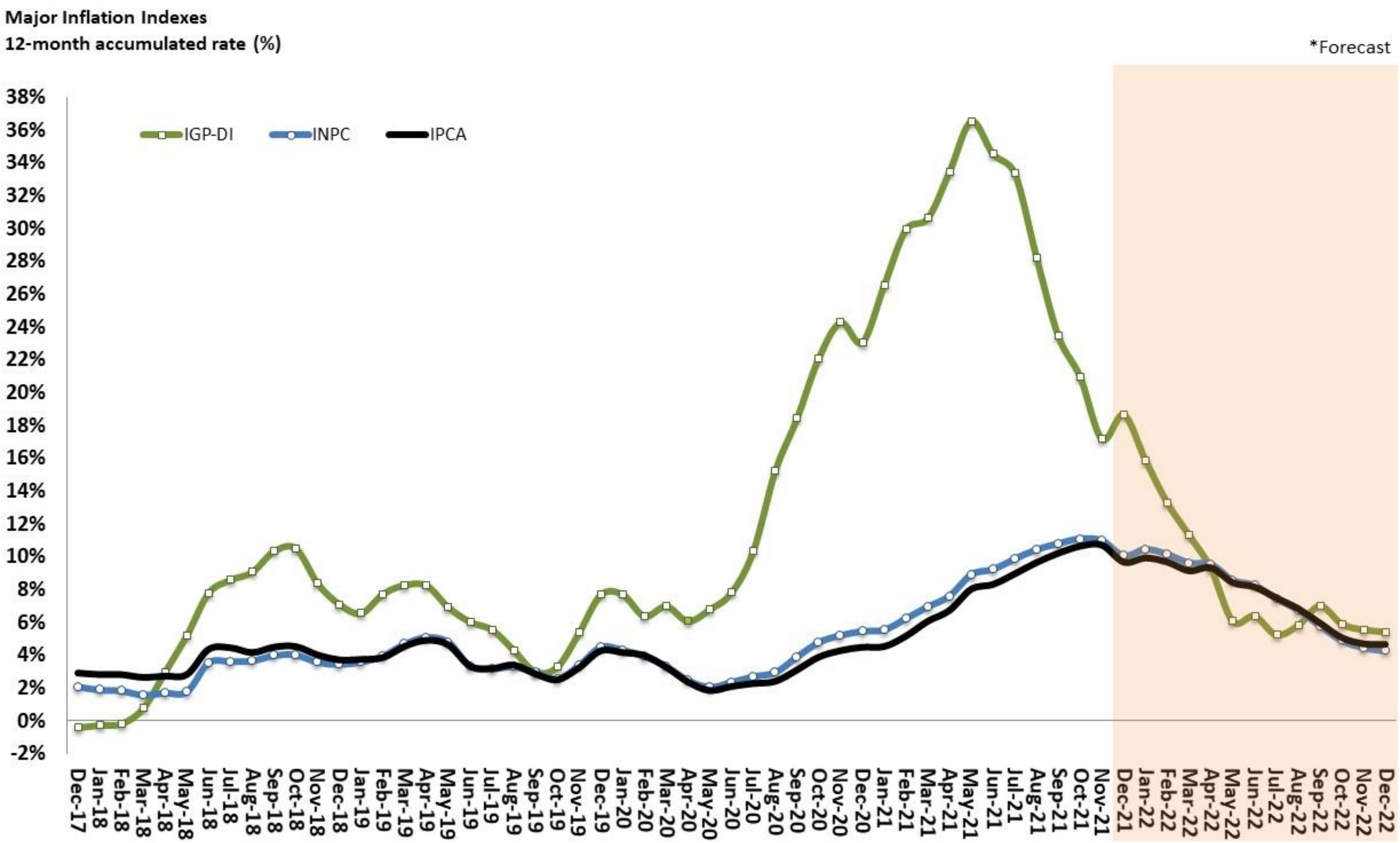
Source: IBGE.

General Price Index (IGP-DI) by Subindices



Source: IBGE.

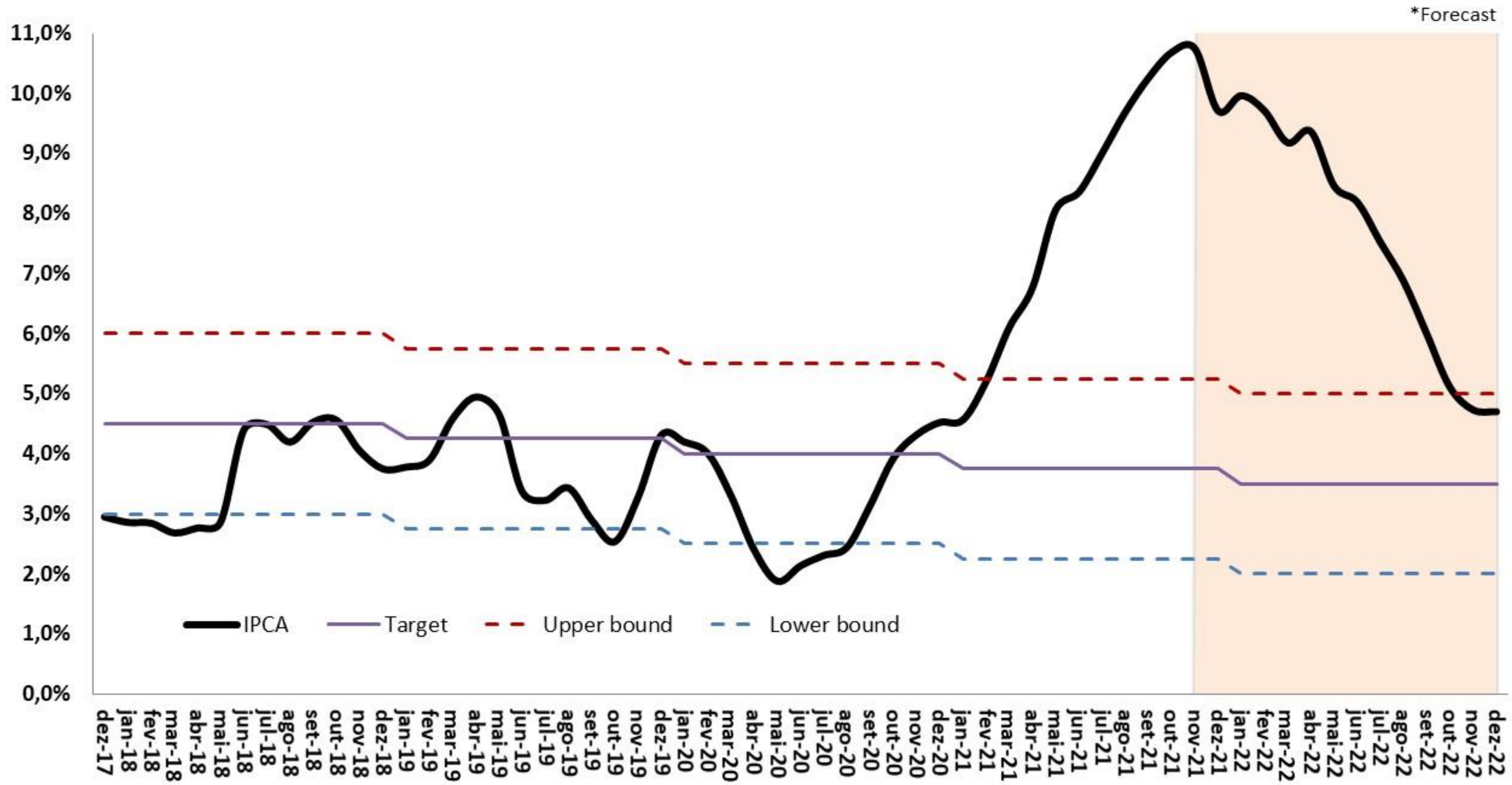
Major Inflation Indices



Source: IBGE and FGV. *Forecast: Macroeconomic Parameters, November-2021.

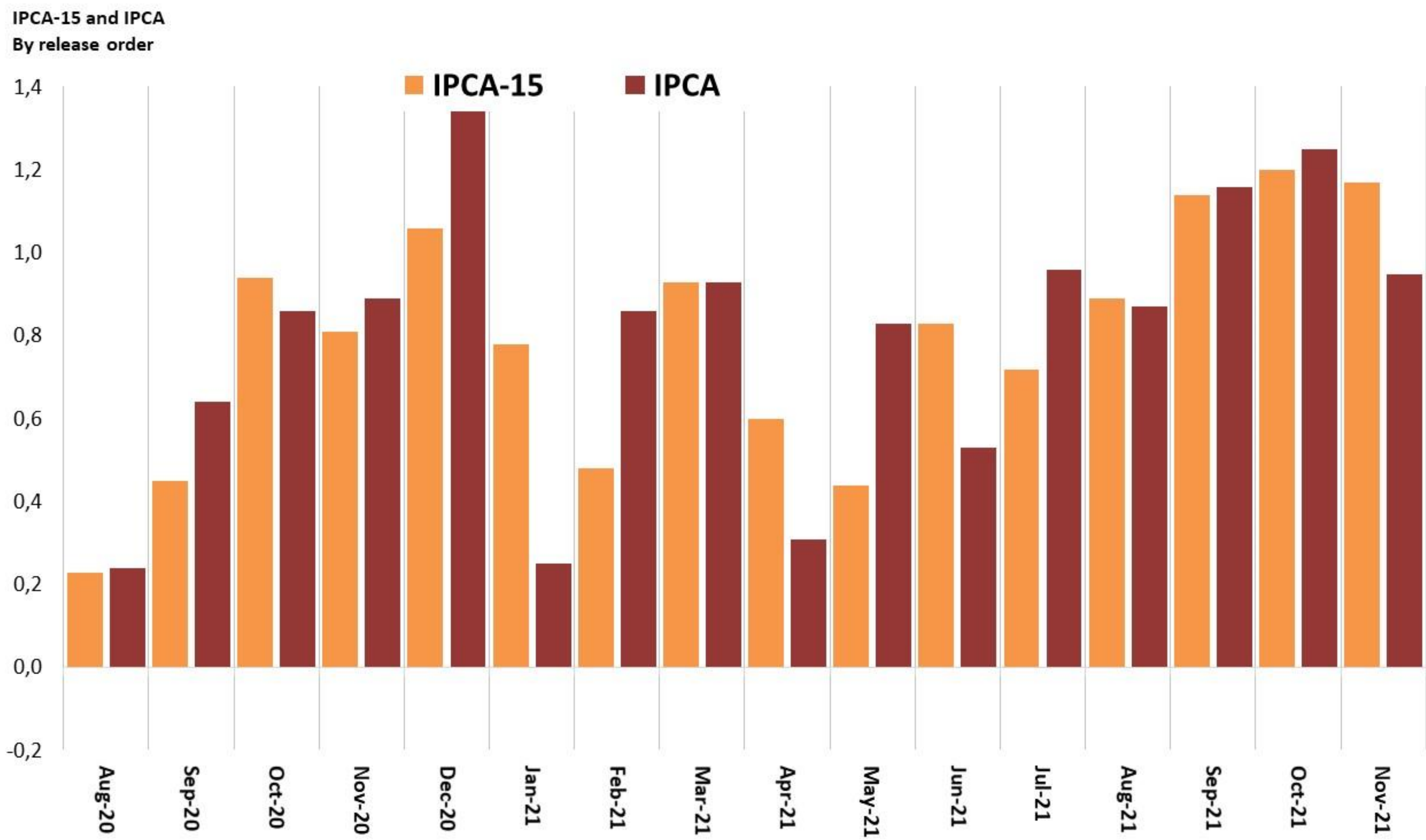
Inflation Targeting

IPCA and Inflation Targeting
12-month accumulated rate (%)



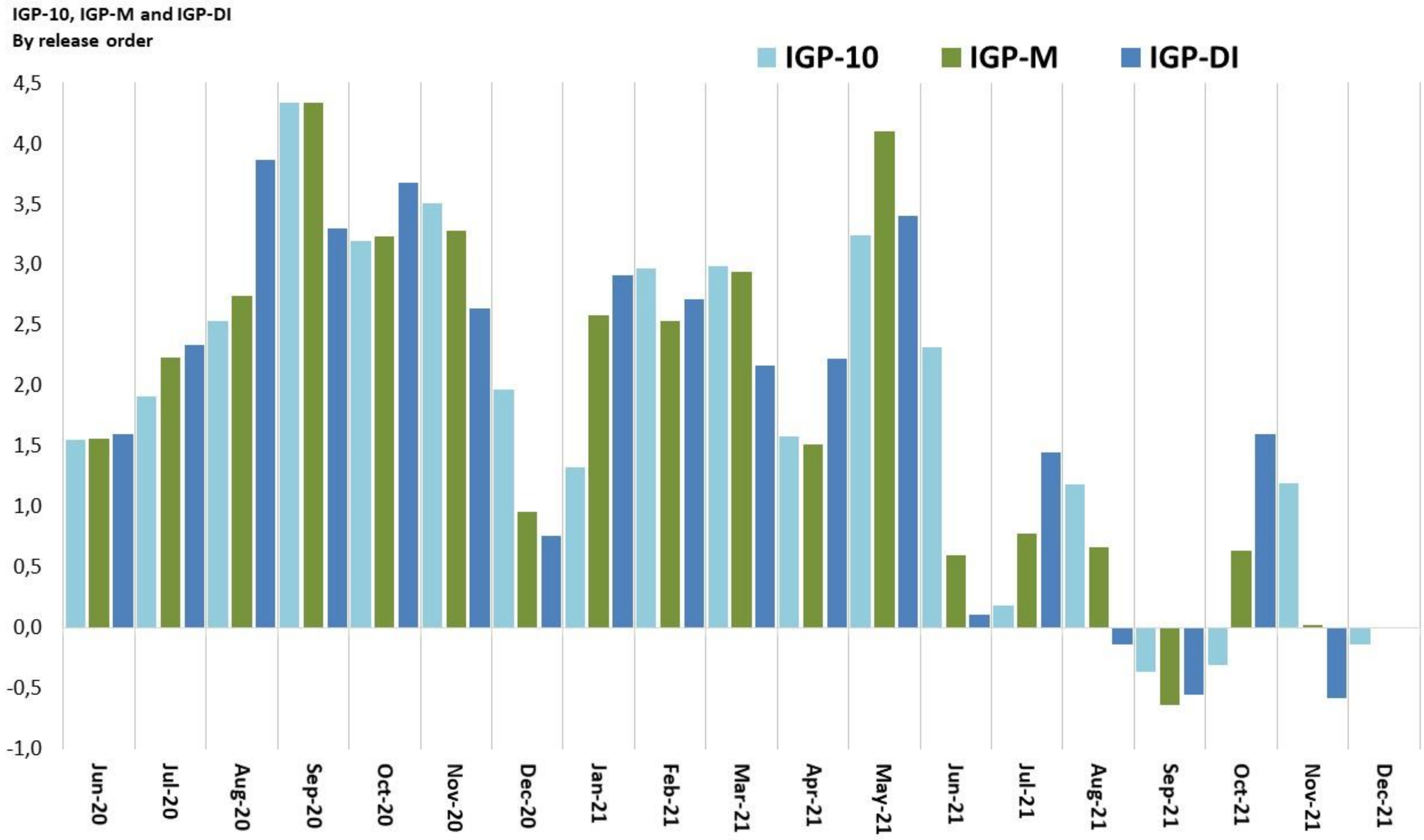
Source: IBGE and Central Bank of Brazil. *Forecast: Macroeconomic Parameters, November-2021.

IBGE: Monthly Consumer Price Indices



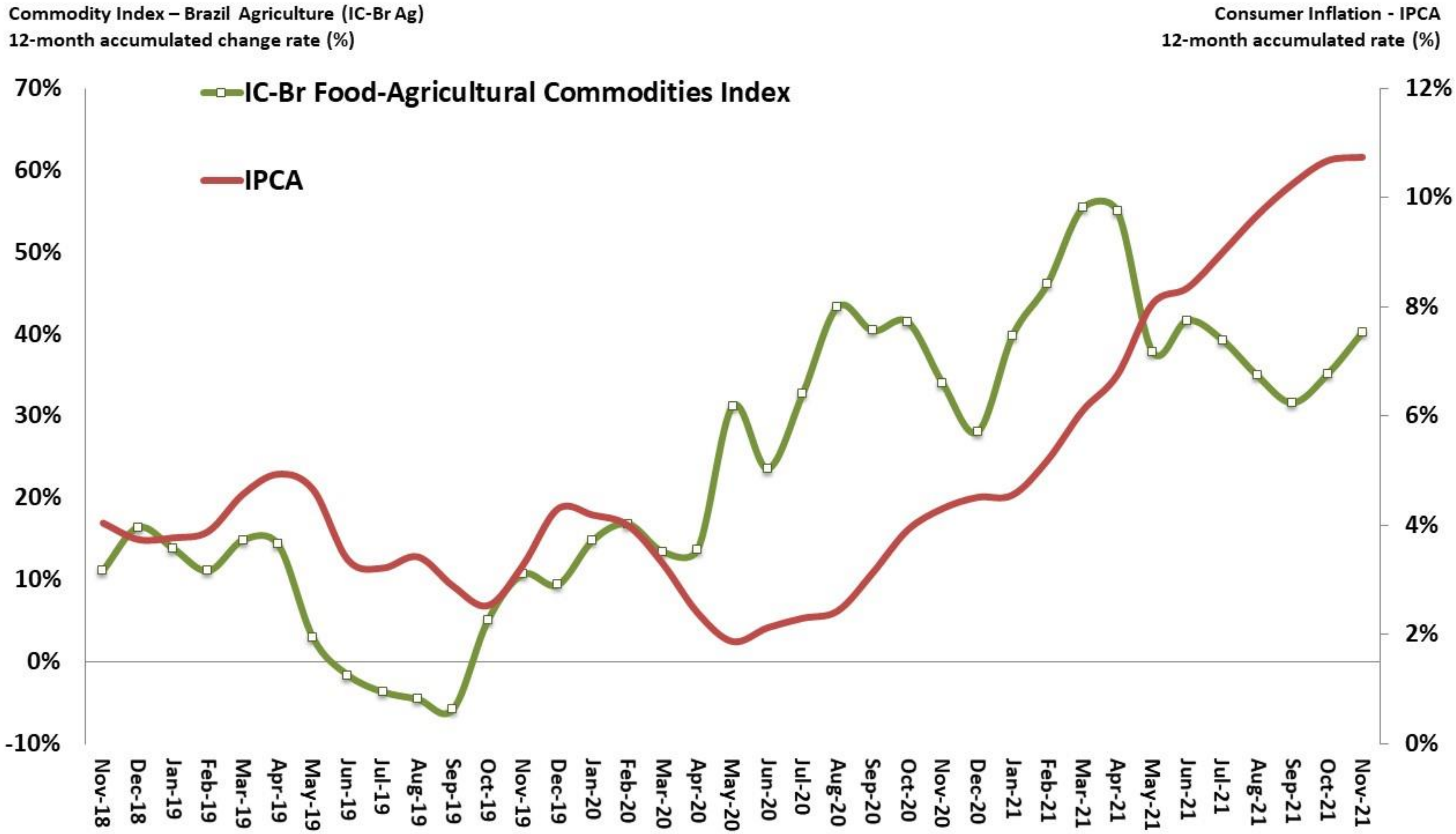
Source: IBGE.

FGV: Monthly General Price Indices



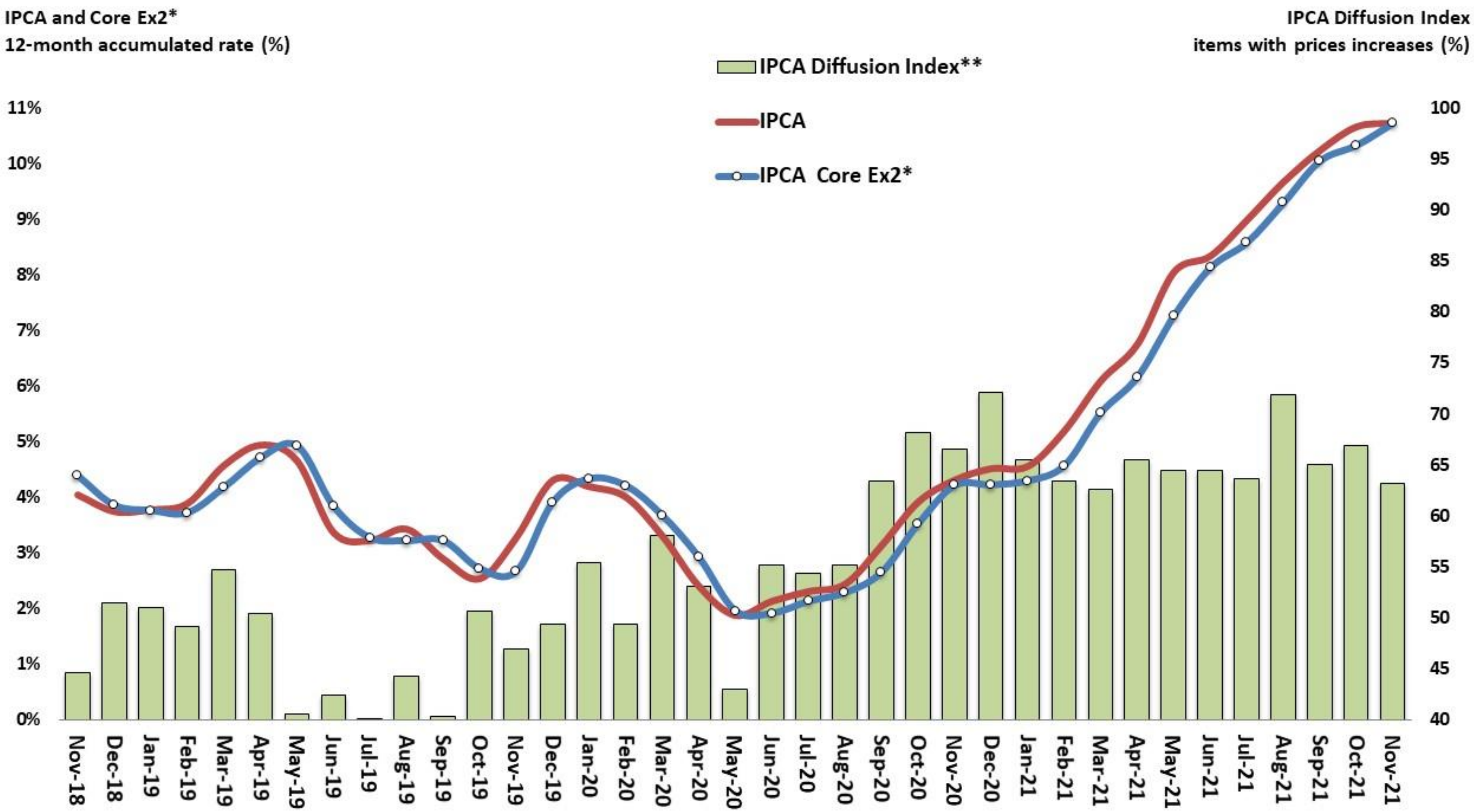
Source: FGV.

Consumer Price Index and Commodity Index (Brazil Agriculture)



Sources: IBGE and Central Bank of Brazil.

IPCA, Core Inflation (IPCA Ex2) and Diffusion Index



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

Credit Market (BCB) October-21 End-of-Period Outstanding Credit (in R$ billions)	Dec-19	Dec-20	Oct-21	% of Total Credit Dec/19	% of Total Credit Dec/20	% of Total Credit Oct/21	chg.% Dec/20-Dec/19	chg.% Oct/21-Dec/20	% of GDP Dec/19	% of GDP Dec/20	% of GDP Oct/21
Total Credit to the National Financial System (NFS)	**3,477.1**	**4,020.9**	**4,497.0**	**100.0%**	**100.0%**	**100.0%**	**15.6%**	**11.8%**	**46.9%**	**54.0%**	**53.2%**
by type of borrower											
Public Sector (incl. State-Owned Enterprises)	**195.0**	**222.4**	**204.7**	**5.6%**	**5.5%**	**4.6%**	**14.1%**	**-8.0%**	**2.6%**	**3.0%**	**2.4%**
Private Sector	**3,282.1**	**3,798.5**	**4,292.4**	**94.4%**	**94.5%**	**95.4%**	**15.7%**	**13.0%**	**44.3%**	**51.0%**	**50.8%**
Non-Financial Corporations	**1,460.1**	**1,778.8**	**1,912.0**	**42.0%**	**44.2%**	**42.5%**	**21.8%**	**7.5%**	**19.7%**	**23.9%**	**22.6%**
Households	**2,017.0**	**2,242.2**	**2,585.1**	**58.0%**	**55.8%**	**57.5%**	**11.2%**	**15.3%**	**27.2%**	**30.1%**	**30.6%**
by type of lender											
Public Financial Institutions	**1,634.1**	**1,807.8**	**1,931.7**	**47.0%**	**45.0%**	**43.0%**	**10.6%**	**6.9%**	**22.1%**	**24.3%**	**22.8%**
National Private Financial Institutions	**1,289.5**	**1,561.3**	**1,873.1**	**37.1%**	**38.8%**	**41.7%**	**21.1%**	**20.0%**	**17.4%**	**21.0%**	**22.2%**
Foreign Private Financial Institutions	**553.5**	**650.8**	**692.2**	**15.9%**	**16.2%**	**15.4%**	**17.6%**	**6.4%**	**7.5%**	**8.7%**	**8.2%**
by type of credit											
Earmarked Resources	**1,464.6**	**1,697.7**	**1,853.3**	**42.1%**	**42.2%**	**41.2%**	**15.9%**	**9.2%**	**19.8%**	**22.8%**	**21.9%**
Housing	258.6	277.5	343.3	7.4%	6.9%	7.6%	7.3%	23.7%	3.5%	3.7%	4.1%
Rural	672.1	741.5	826.6	19.3%	18.4%	18.4%	10.3%	11.5%	9.1%	10.0%	9.8%
BNDES Development Bank	437.1	445.7	433.7	12.6%	11.1%	9.6%	2.0%	-2.7%	5.9%	6.0%	5.1%
Others	96.8	233.0	249.7	2.8%	5.8%	5.6%	140.7%	7.2%	1.3%	3.1%	3.0%
Non-Financial Corporations	559.9	687.5	695.4	16.1%	17.1%	15.5%	22.8%	1.1%	7.6%	9.2%	8.2%
Households	904.7	1,010.1	1,157.9	26.0%	25.1%	25.7%	11.7%	14.6%	12.2%	13.6%	13.7%
Non-earmarked Resources	**2,012.5**	**2,323.1**	**2,643.8**	**57.9%**	**57.8%**	**58.8%**	**15.4%**	**13.8%**	**27.2%**	**31.2%**	**31.3%**
Non-Financial Corporations	900.2	1,091.2	1,216.6	25.9%	27.1%	27.1%	21.2%	11.5%	12.2%	14.7%	14.4%
Households	1,112.4	1,232.0	1,427.2	32.0%	30.6%	31.7%	10.8%	15.8%	15.0%	16.5%	16.9%

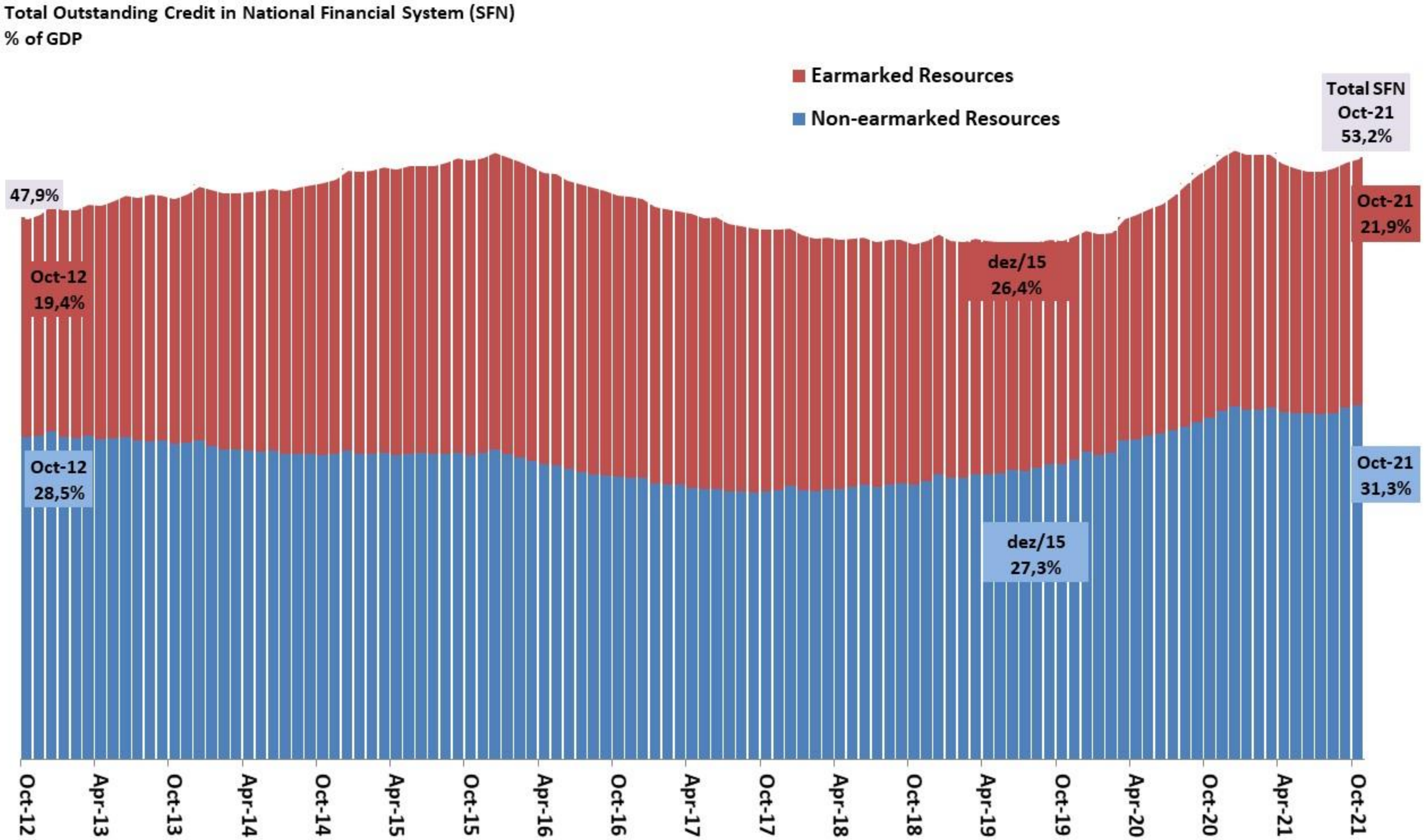
Non-earmarked Resources (BCB) October-21 *New Loans, Spread and Delinquency Rates*	Dec-19	Dec-20	Oct-21	% of Total Credit Dec/19	% of Total Credit Dec/20	% of Total Credit Oct/21	chg.% Dec/20-Dec/19	chg.% Oct/21-Dec/20	% of GDP Dec/19	% of GDP Dec/20	% of GDP Oct/21
New Loans (12-months accum. in R$ billions)	**3,590.4**	**3,624.3**	**4,191.2**	**100.0%**	**100.0%**	**100.0%**	**0.9%**	**15.6%**	**48.5%**	**48.7%**	**49.6%**
Non-Financial Corporations	1,695.9	1,766.7	2,024.3	47.2%	48.7%	48.3%	4.2%	14.6%	22.9%	23.7%	23.9%
Households	1,894.5	1,857.7	2,166.9	52.8%	51.3%	51.7%	-1.9%	16.6%	25.6%	24.9%	25.6%
Spread (in pp per year)	**27.8**	**21.0**	**23.1**				**-6.9 pp**	**2.1 pp**			
Non-Financial Corporations	11.1	7.7	9.7				-3.5 pp	2.1 pp			
Households	40.4	32.1	33.8				-8.3 pp	1.7 pp			
Delinquency (% non-performing loans by 90 days or more)	**3.7**	**2.9**	**3.0**				**-0.8 pp**	**0.2 pp**			
Non-Financial Corporations	2.1	1.5	1.6				-0.7 pp	0.1 pp			
Households	5.0	4.2	4.3				-0.9 pp	0.1 pp			

Macroeconomic Parameters

Macroeconomic Parameters		
Year	Credit Market	
	Total Credit	
	Annual Average	
	BRL million	*Annual chg. %*
2015	3,118,230	9.85
2016	3,144,353	0.84
2017	3,079,705	-2.06
2018	3,145,561	2.14
2019	3,324,679	5.69
2020	3,702,422	11.36
2021	**4,284,302**	**15.72**
2022	**4,665,514**	**8.90**
2023	**4,751,553**	**1.84**
2024	**4,946,847**	**4.11**
2025	**5,226,648**	**5.66**

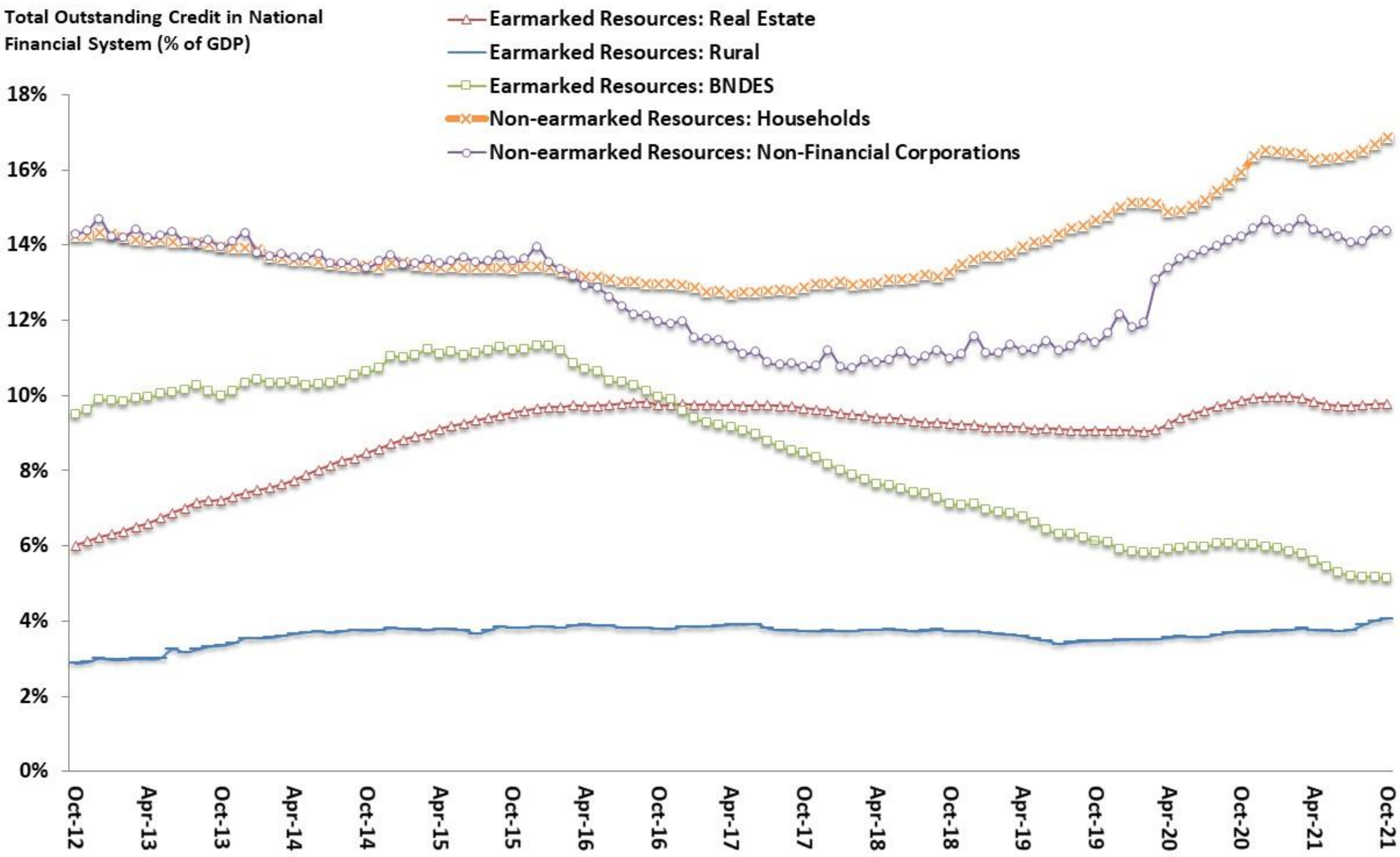
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Total Credit: Earmarked and Non-earmarkerd Resources



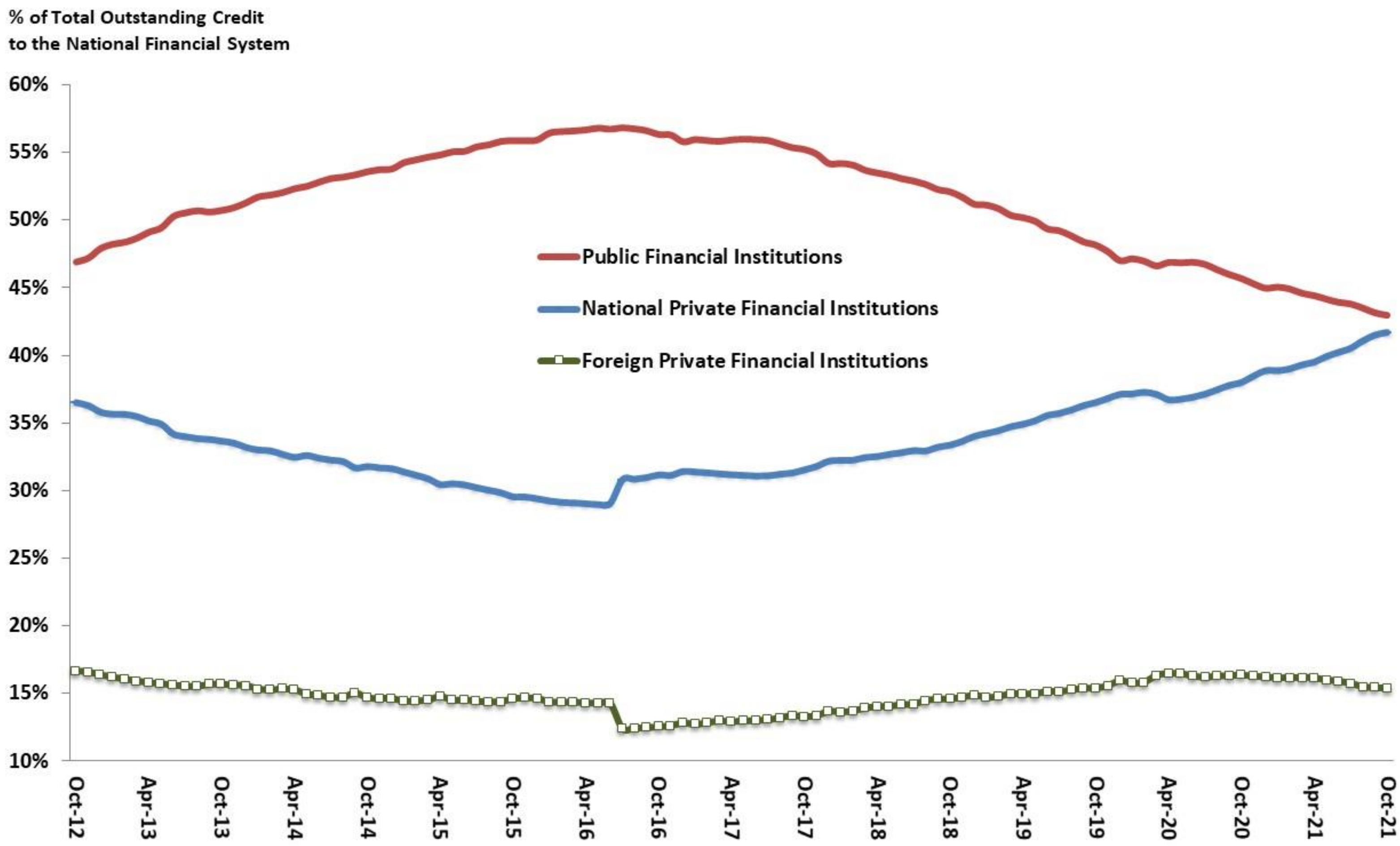
Source: Central Bank of Brazil.

Total Credit Evolution by Major Segments



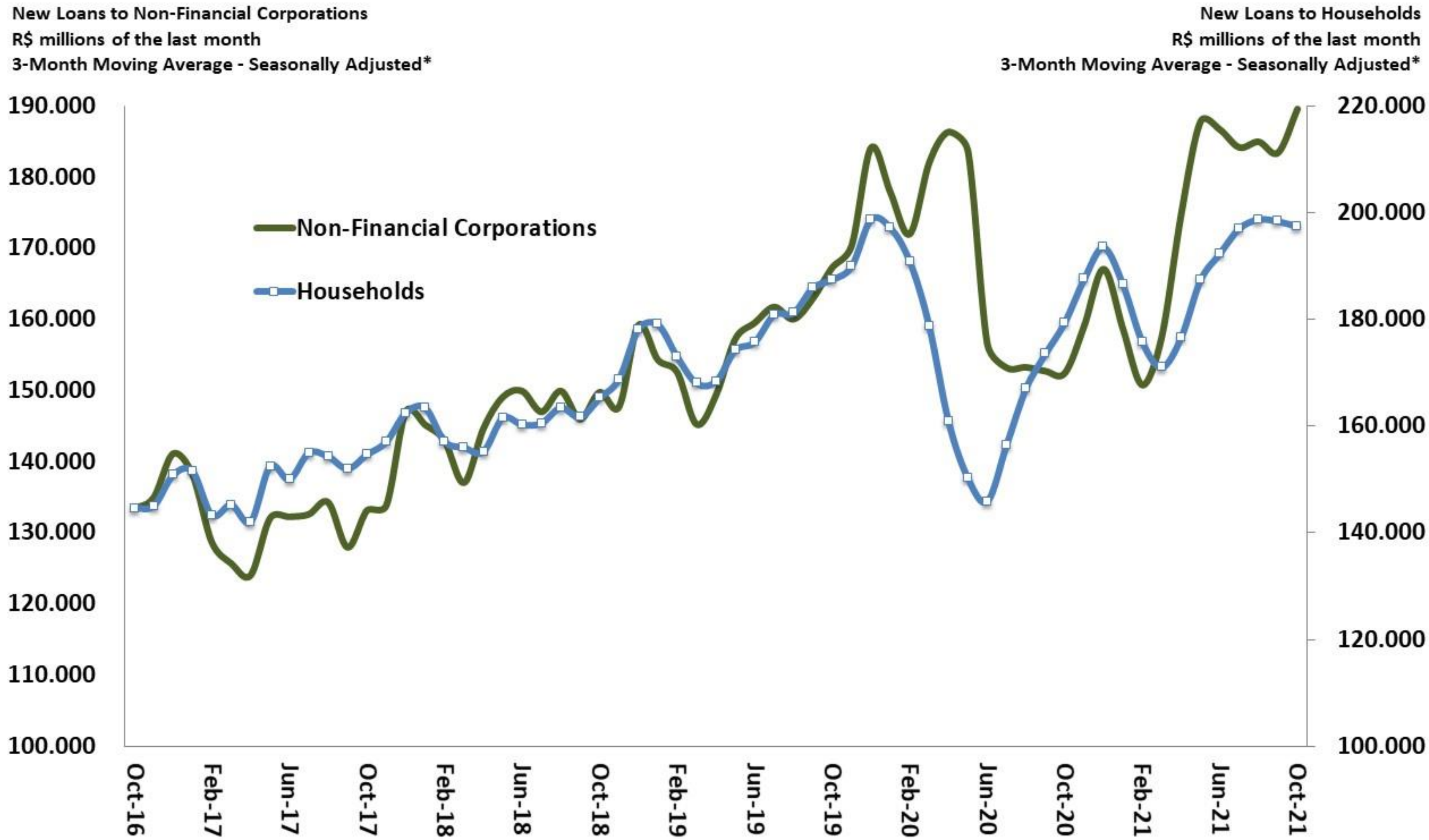
Source: Central Bank of Brazil.

Total Credit by Types of Financial Institutions



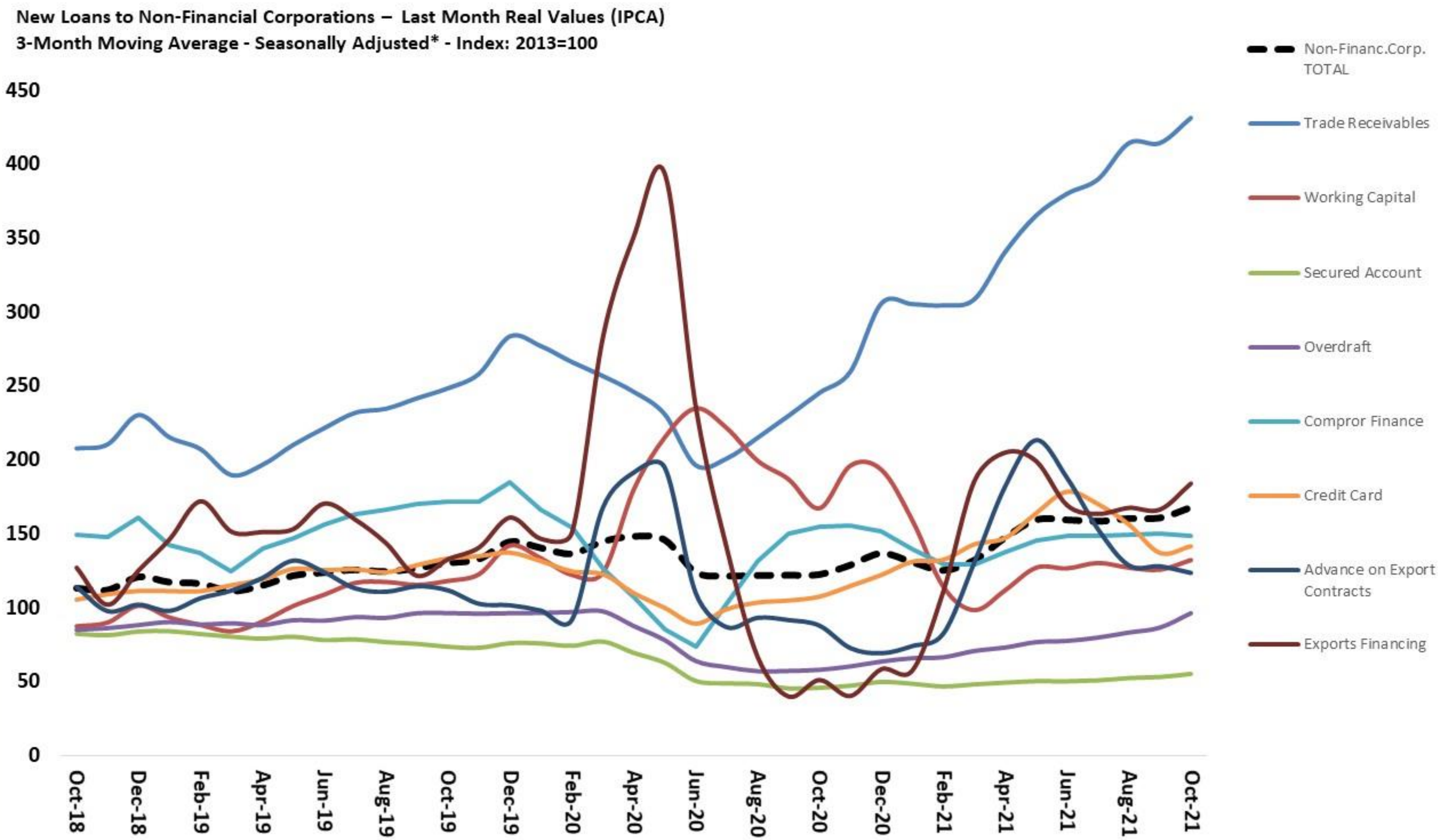
Source: Central Bank of Brazil.

New Loans to Households and Non-Financial Corporations



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

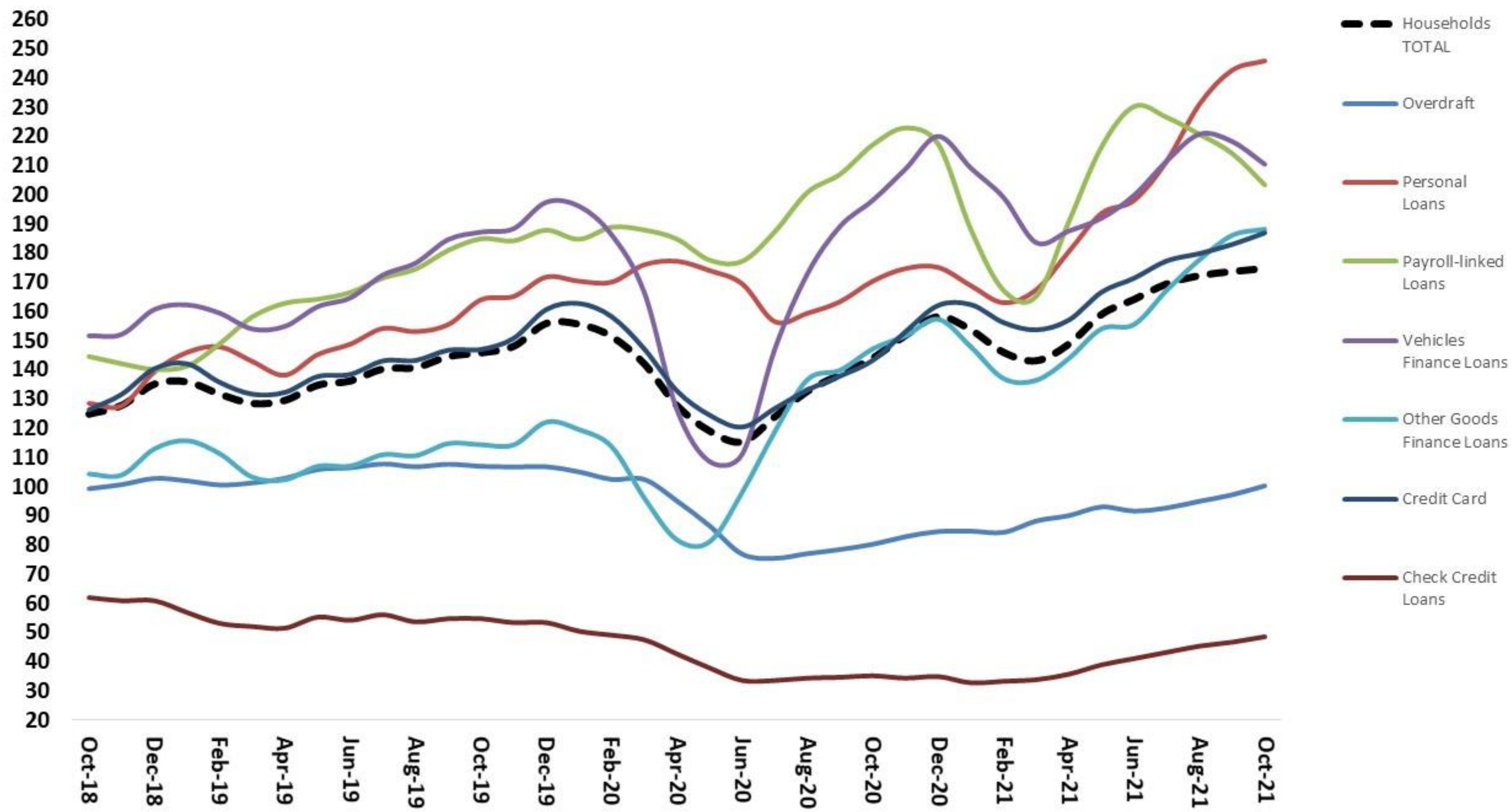
New Loans to Non-Financial Corp. by Type of Credit Lines



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

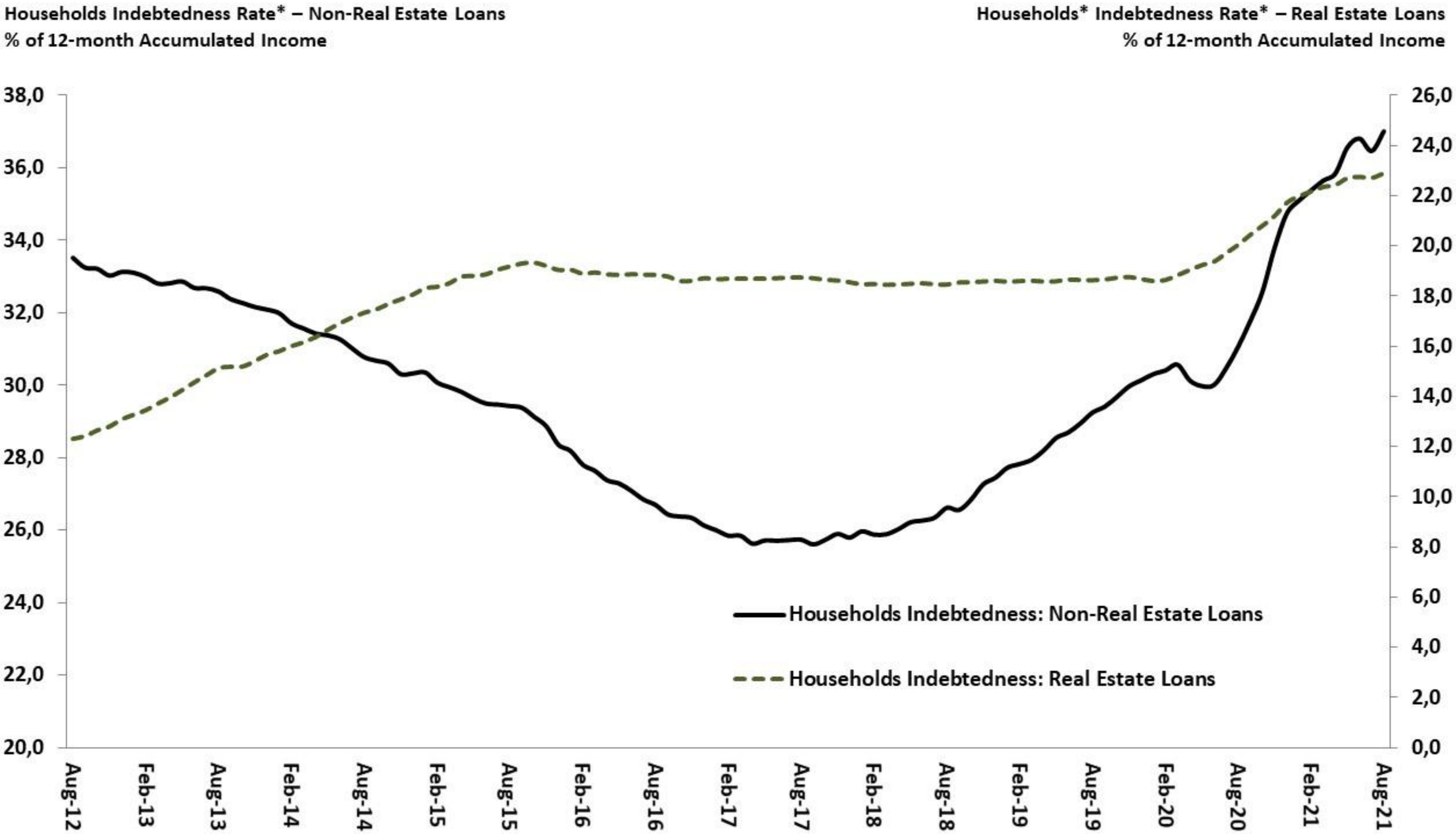
New Loans to Households by Type of Credit Lines

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



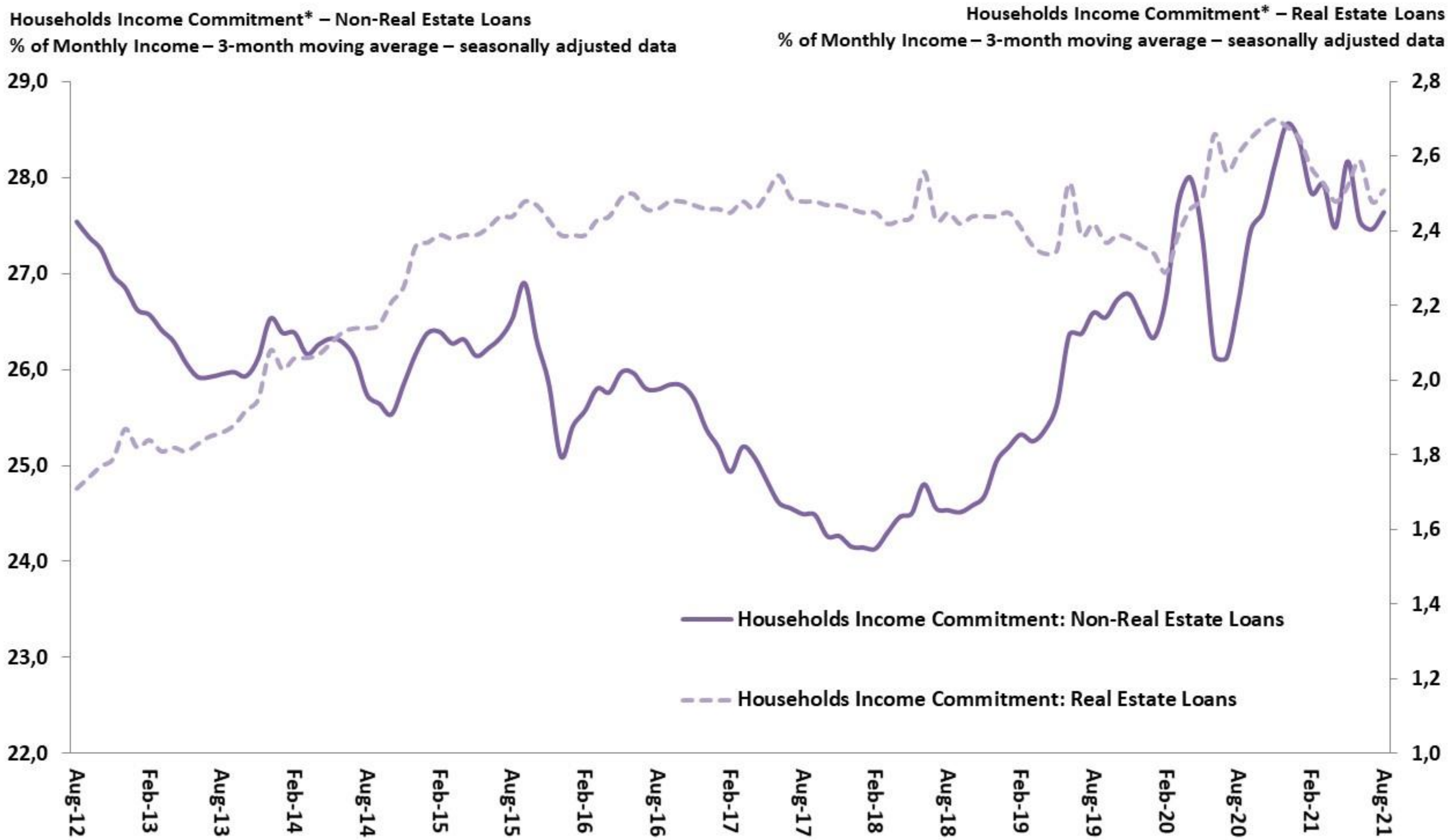
Source: Central Bank of Brazil. * Seasonally adjusted by SPE.

Households Indebtedness Rate



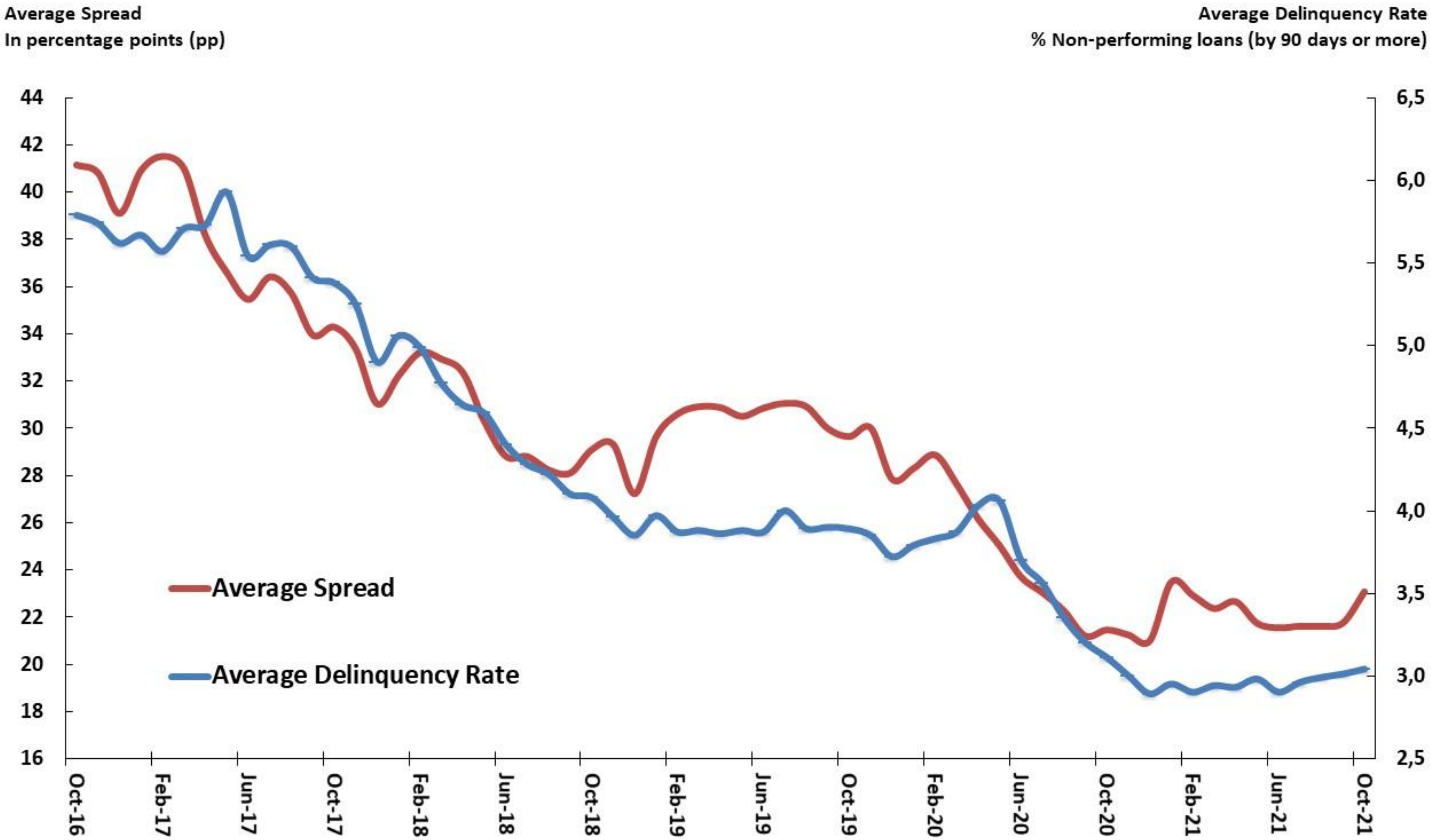
Source: Central Bank of Brazil. * Indebtedness rate = total outstanding debt / 12-months accumulated income.

Households Income Commitment



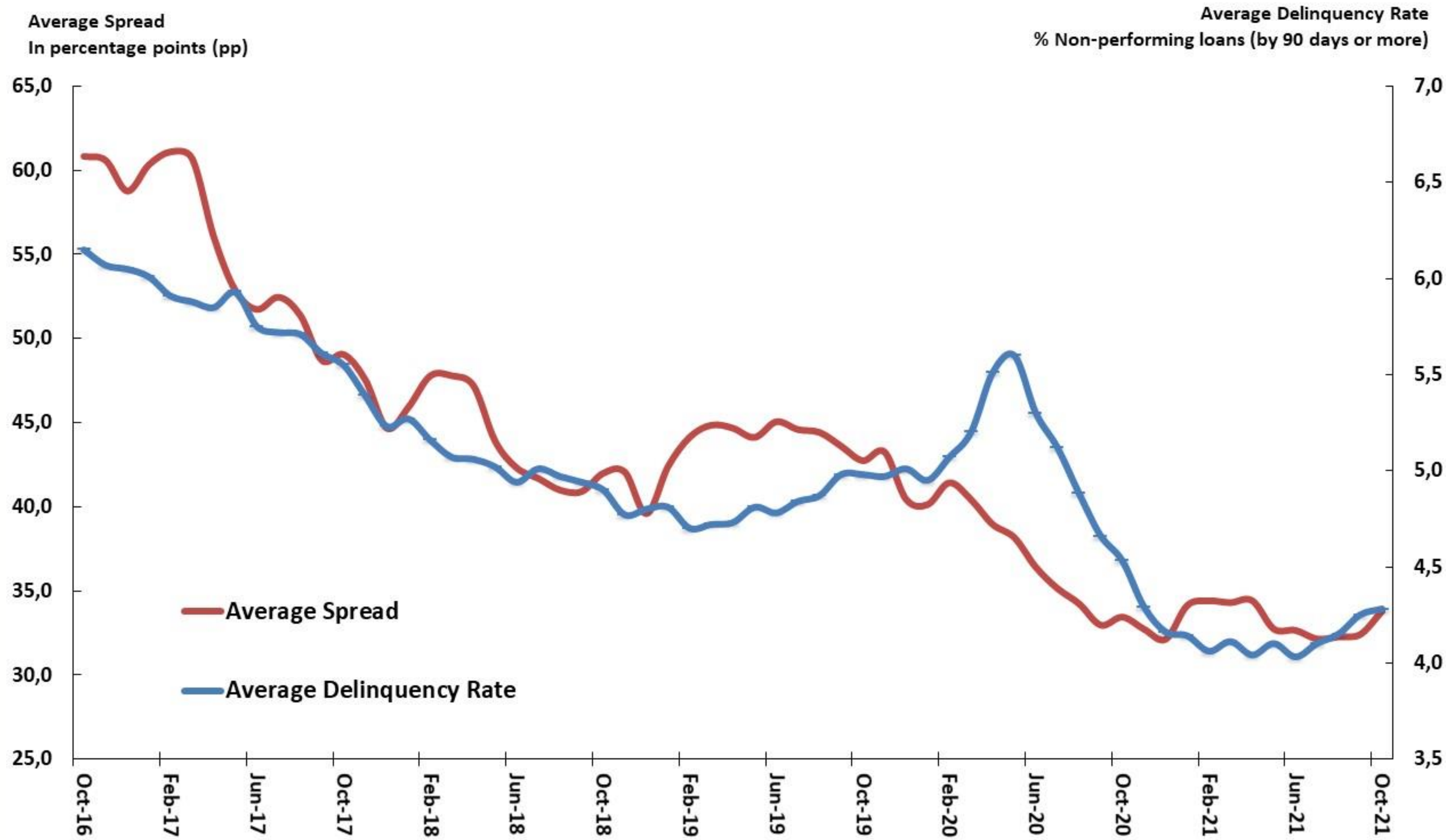
Source: Central Bank of Brazil. * Households Income Commitment = Loans Service Monthly Expenditure / Monthly Income.

Non-earmarked Resources: Spread and Delinquency Rates



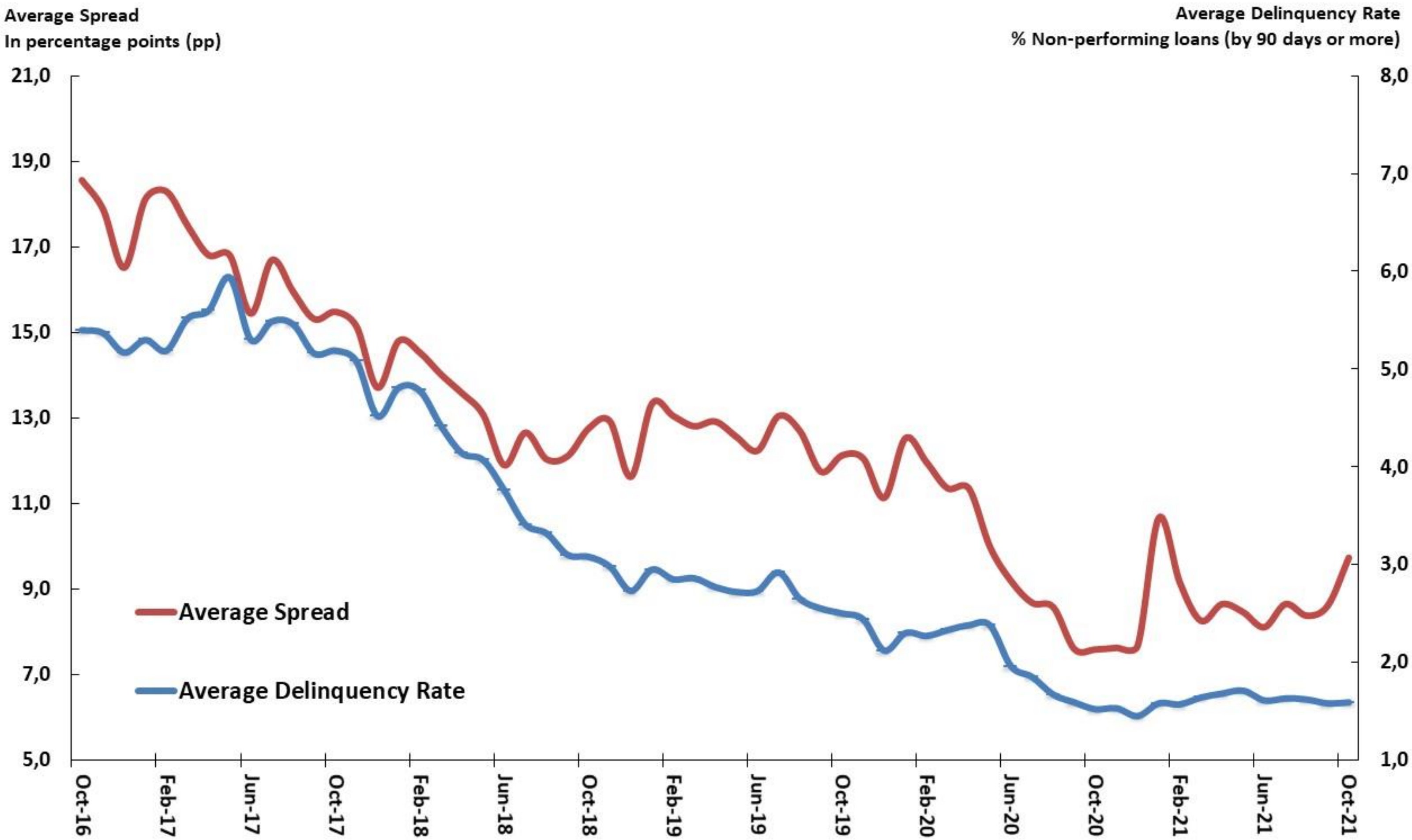
Source: Central Bank of Brazil.

Households Loans: Spread and Delinquency Rates



Source: Central Bank of Brazil.

Non-Financial Corp. Loans: Spread and Delinquency Rates



Source: Central Bank of Brazil.

Financial Markets

Financial Markets

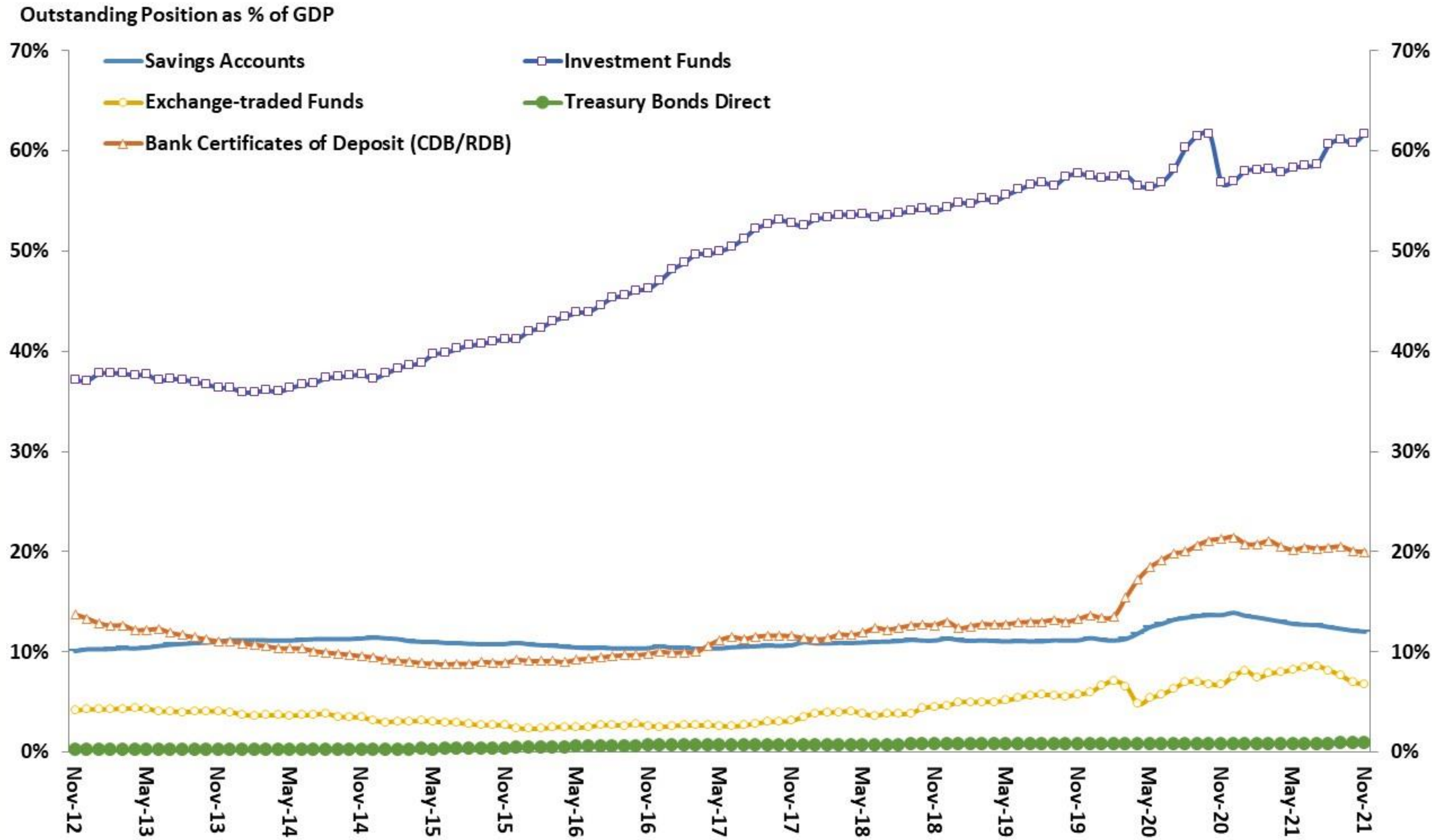
									BCB/Focus:	12/10/21	
Financial Savings (BCB) November-21 Outstanding Positions - R$ billions	**Dec-19**	**Dec-20**	**Nov-20**	**Nov-21**	**chg. % Dec/17 / Dec/16**	**chg. % Dec/18 / Dec/17**	**chg. % Nov/21-Dec/18**	**chg. % Nov/21-Nov/20**			
Bank Certificates of Deposit (CDB/RDB)	1,010.8	1,598.0	1,573.2	1,689.9	10.9%	58.1%	5.8%	7.4%			
Savings Accounts (Caderneta de Poupança)	845.5	1,035.6	1,013.4	1,018.6	6.0%	22.5%	-1.6%	0.5%			
Investment Funds	4,259.7	4,245.9	4,206.9	5,222.0	11.8%	-0.3%	23.0%	24.1%			
Exchange-traded Funds	441.6	565.3	498.8	572.7	36.1%	28.0%	1.3%	14.8%			
Treasury Bonds Direct (Tesouro Direto)	59.6	62.7	62.1	74.5	10.0%	5.1%	18.9%	20.1%			
BM&F-Bovespa - listed companies value as % of GDP	64.4%	69.0%	64.4%	69.0%	0.62 pp	0.53 pp	19.01 pp	4.57 pp			
Capital Market (CVM) November-21 New Public Offering - R$ billions	**Dec-19**	**Dec-20**	**Nov-20**	**Nov-21**	**chg. % Dec/17 / Dec/16**	**chg. % Dec/18 / Dec/17**	**chg. % Nov/21-Dec/18**	**chg. % Nov/21-Nov/20**			
Stocks	4.2	26.1	17.4	36.0	23.7%	517.8%	-100.0%	-100%			
Debentures	14.7	3.3	3.3	8.9	442.6%	-77.7%	60952.5%	-14.1%			
Housing Credit-backed Securities (CRI)	21.4	3.5	0.8	12.1	230.9%	-83.8%	-62.7%	404.7%			
Investment Funds - new shares	9.4	24.6	21.7	22.2	-16.1%	162.1%	-67.4%	-71.4%			
Monet Market (BCB) November-21	**Dec-19**	**Dec-20**	**Nov-20**	**Nov-21**	**chg. % Dec/17 / Dec/16**	**chg. % Dec/18 / Dec/17**	**chg. % Nov/21-Dec/18**	**chg. % Nov/21-Nov/20**			
Interest Rates											
Selic market rate (% py)	**4.59**	**1.90**	**1.90**	**8.25**	**-1.8 pp**	**-2.7 pp**	**6.4 pp**	**6.4 pp**			
CDI (% py)	4.59	1.90	1.90	8.25	-1.8 pp	-2.7 pp	6.4 pp	6.4 pp			
Swap DI-Pre 180 days (% py)	4.33	2.10	2.29	10.81	-2.1 pp	-2.2 pp	8.7 pp	8.5 pp			
Swap DI-Pre 360 days (% py)	4.55	2.83	3.15	11.75	-2.0 pp	-1.7 pp	8.9 pp	8.6 pp			
Monet Market (BCB) December-21	**Dec-19**	**Dec-20**	**Dec-20**	**Dec-21**	**chg. % Dec/17 / Dec/16**	**chg. % Dec/18 / Dec/17**	**chg. % Dec/21-Dec/18**	**chg. % Dec/21-Dec/20**	**2021**	**2022**	**2023**
Selic target rate (% py)	**4.50**	**2.00**	**2.00**	**9.25**	**-2.0 pp**	**-2.50 pp**	**7.3 pp**	**7.3 pp**	**0.00%**	**11.50%**	**8.00%**
TJLP (% py)	5.57	4.55	4.55	5.32	-1.4 pp	-1.0 pp	0.77 pp	0.77 pp			
Brazil Sovereign Risk (BCB) November-21 Monthly Average (in basis points)	**Dec-19**	**Dec-20**	**Nov-20**	**Nov-21**	**chg. pp Dec/17 / Dec/16**	**chg. pp Dec/18 / Dec/17**	**chg. % Nov/21-Dec/18**	**chg. % Nov/21-Nov/20**			
EMBI+ (JPMorgan)	214	260	275	366	-62 pp	46 pp	106 pp	91 pp			
5 years CDS	99	143	166	257	-108 pp	43 pp	115 pp	92 pp			
10 years CDS	180	215	237	345	-103 pp	35 pp	131 pp	108 pp			

Macroeconomic Parameters

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. %*
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	5.90	4.59	1.53	6.18	5.57	0.00	5,744,064	7.43
2020	2.64	1.90	-1.80	4.87	4.55	0.00	6,367,887	10.86
2021	**3.92**	**9.15**	**-5.27**	**4.79**	**5.32**	**0.09**	**7,217,281**	**13.34**
2022	**10.68**	**10.90**	**5.71**	**6.09**	**6.09**	**0.82**	**7,842,436**	**8.66**
2023	**8.51**	**7.40**	**5.10**	**5.65**	**5.45**	**0.27**	**8,376,631**	**6.81**
2024	**6.67**	**6.90**	**3.57**	**5.18**	**5.05**	**0.00**	**8,851,294**	**5.67**
2025	**6.90**	**6.90**	**3.79**	**4.84**	**4.70**	**0.00**	**9,281,938**	**4.87**

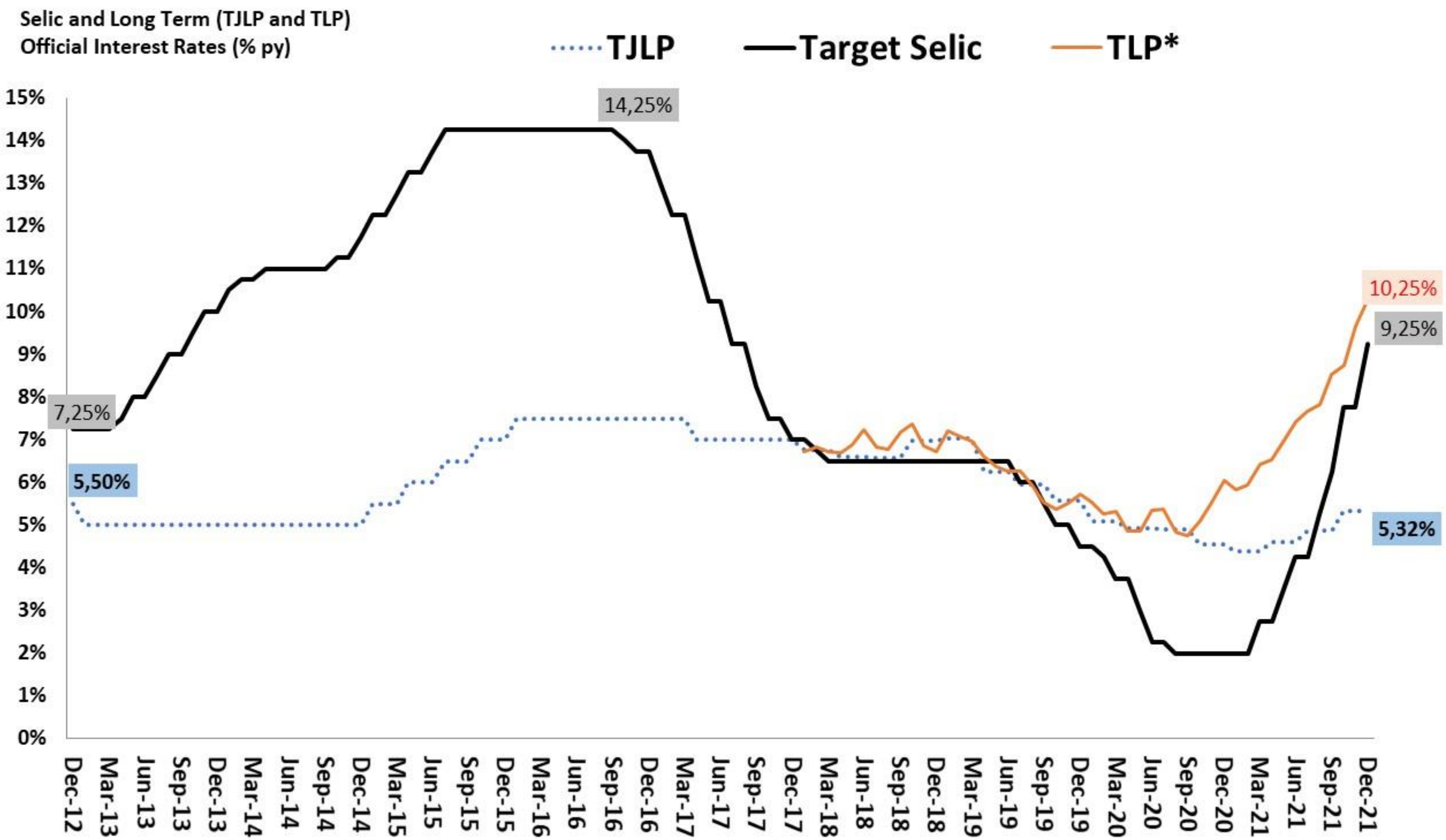
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Major Financial Savings Instruments



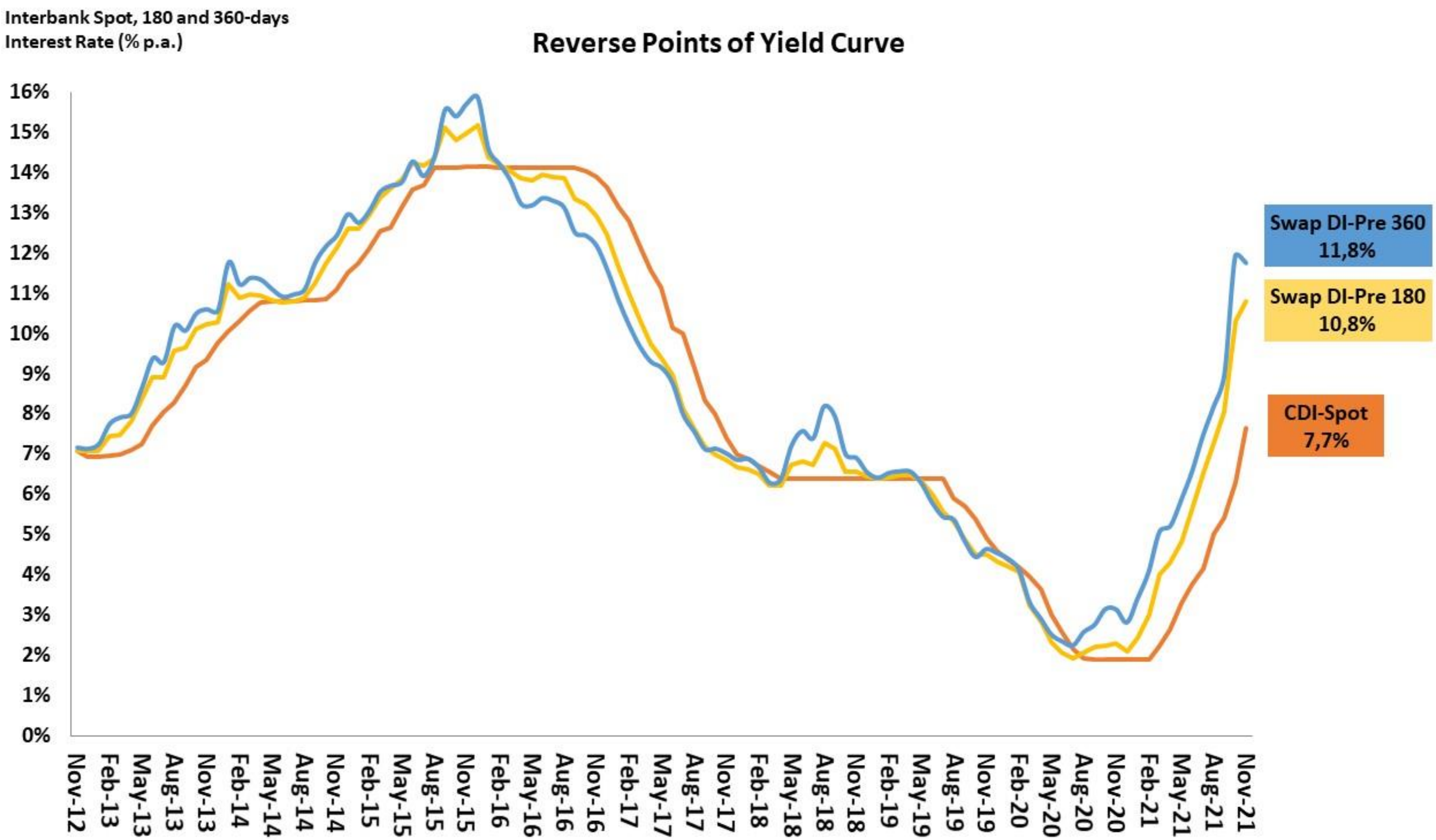
Source: Central Bank of Brazil.

Official Interest Rates Evolution (Target Selic and TJLP)



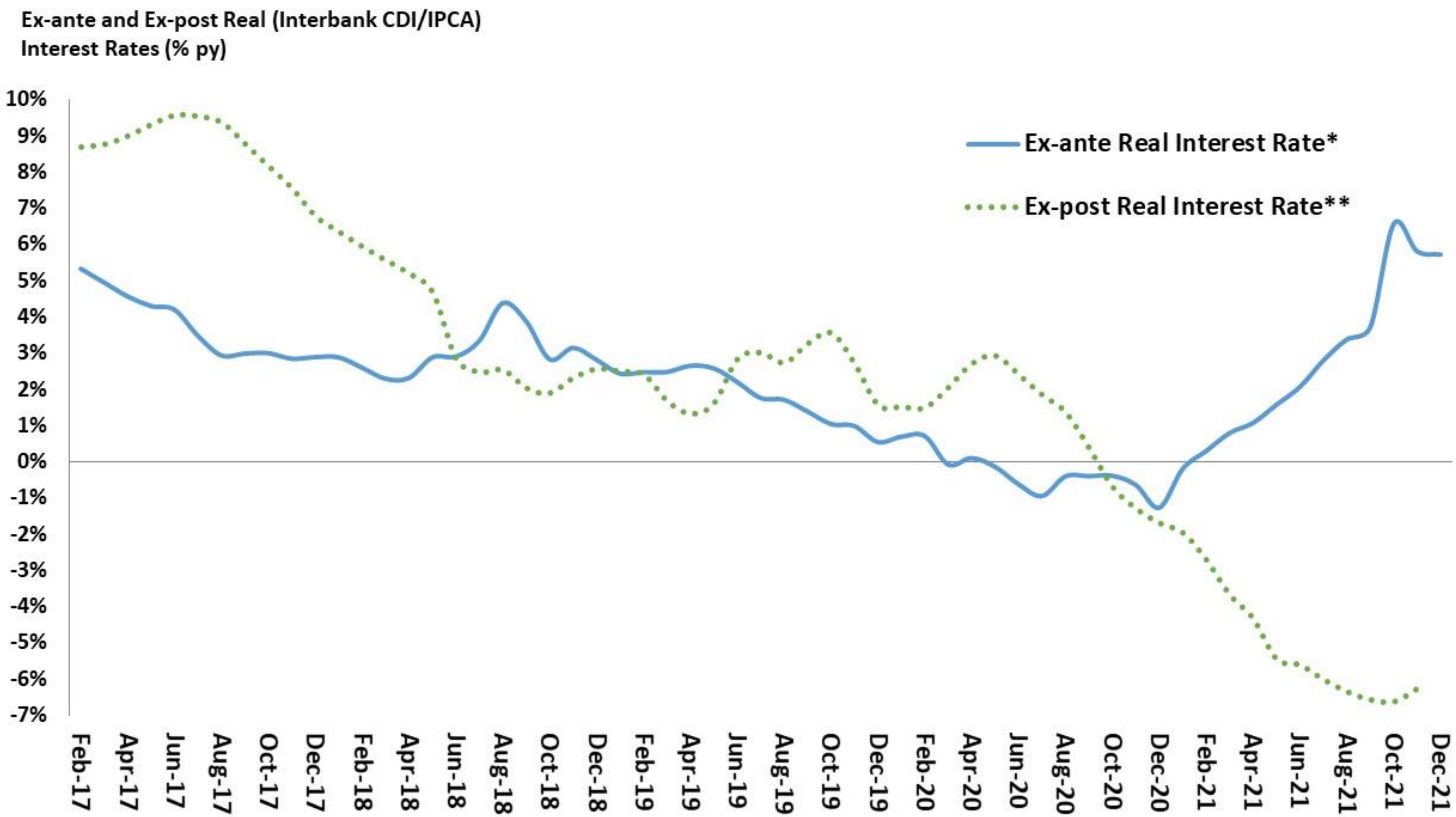
Source: Central Bank of Brazil. *TLP is 3-Month average of 5-Year NTN-B bonds plus IPCA Market Expectation (Focus Survey by BCB).

Term Structure of Interbank Interest Rate



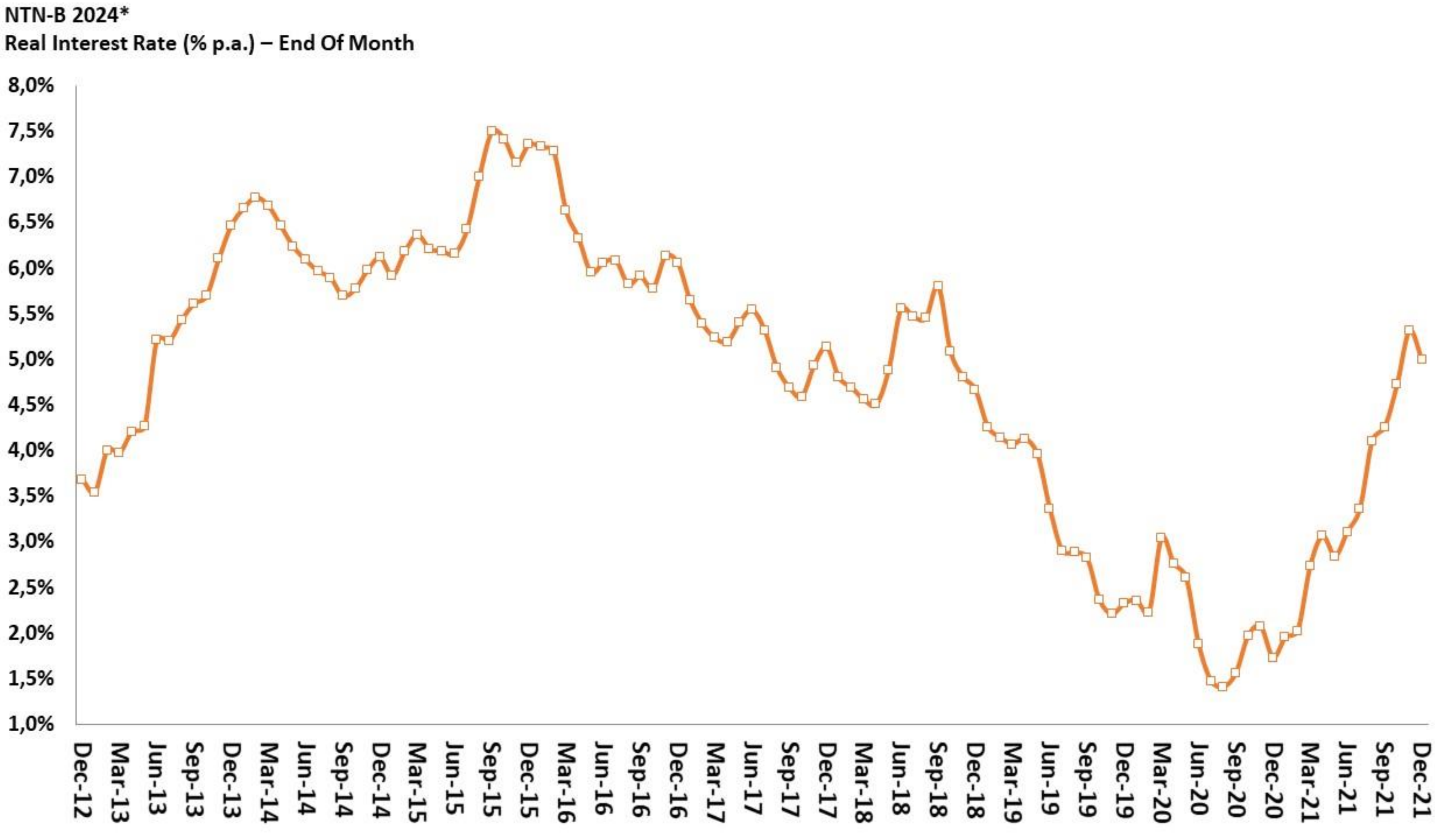
Source: Central Bank of Brazil.

Ex-ante and Ex-post Real Interest Rates



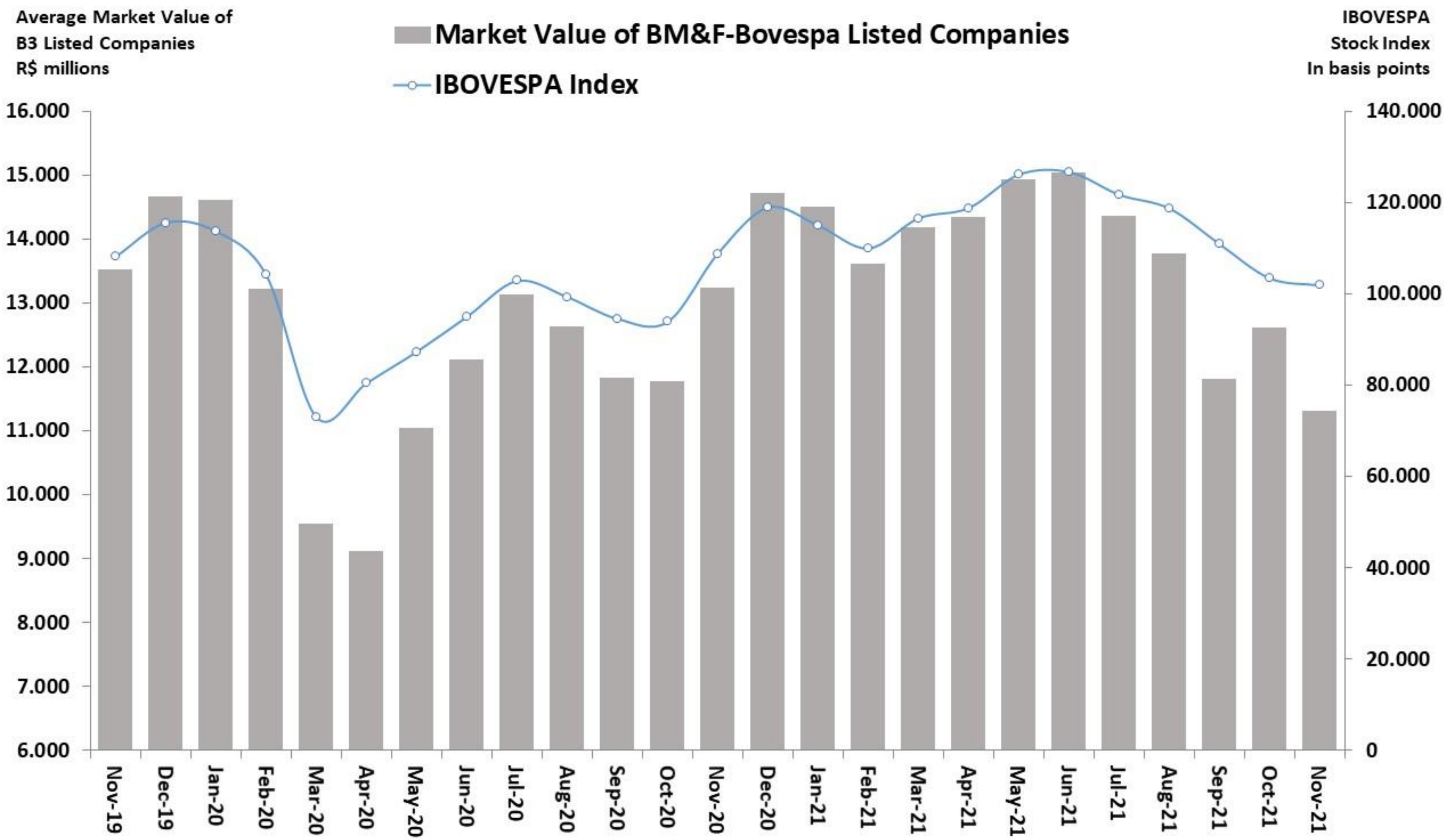
Source: Central Bank of Brazil. Data valid up to the date of the report.
* Ex-ante Real Interest Rate = Expected Interbank CDI/IPCA ratio, considering 360-days Swap DI-Pre rate and IPCA median of BCB-Focus Survey.
** Ex-post Real Interest Rate = Observed 12-months accumulated CDI/IPCA ratio.

Domestic Federal Bond (NTN-B): Implicit Real Interest Rate



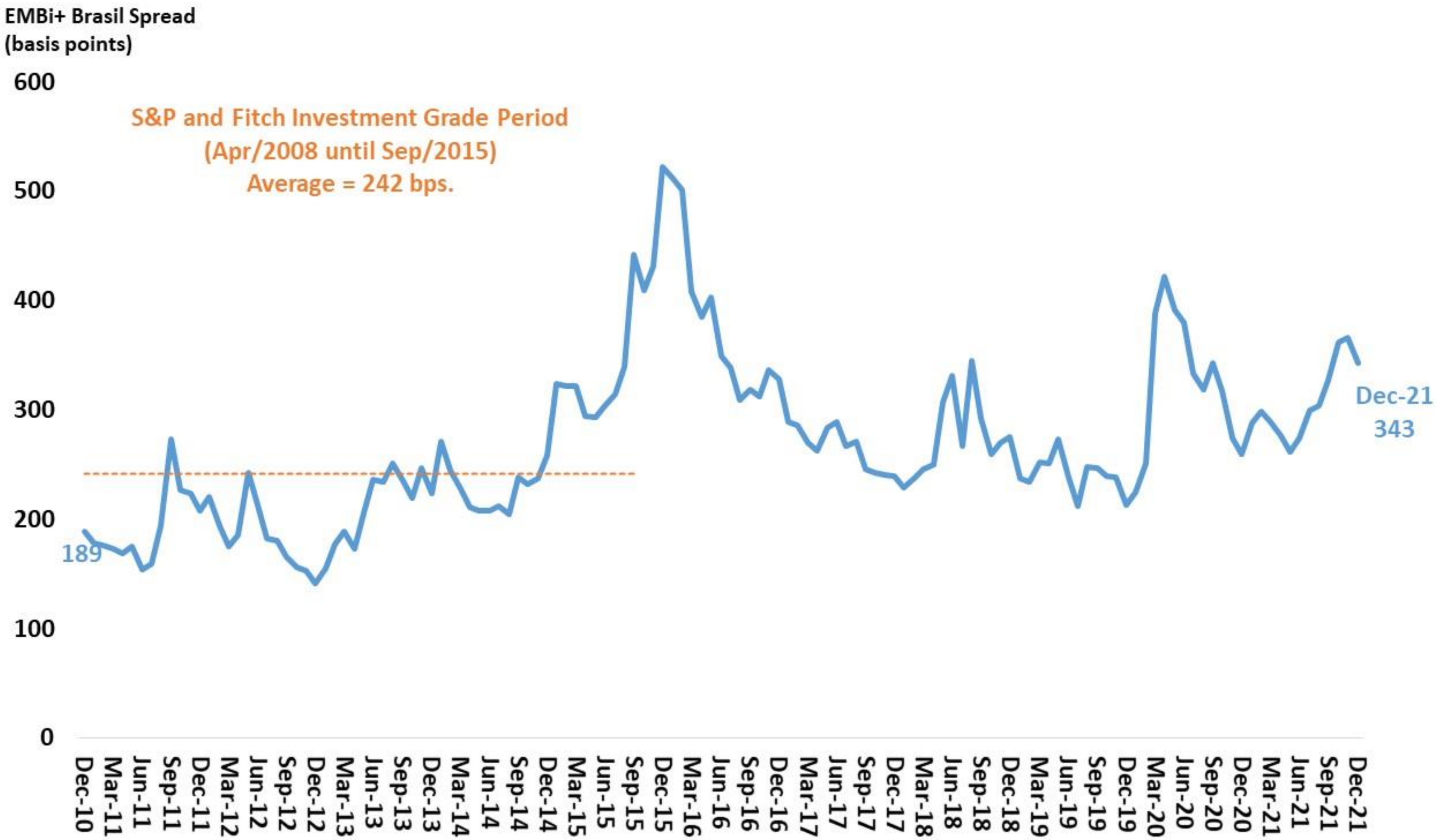
Source: STN. * Interest rate paid by the NTN-B 2024 besides the IPCA inflation rate. Data valid up to the date of the report.

Brazilian Stock Market Evolution



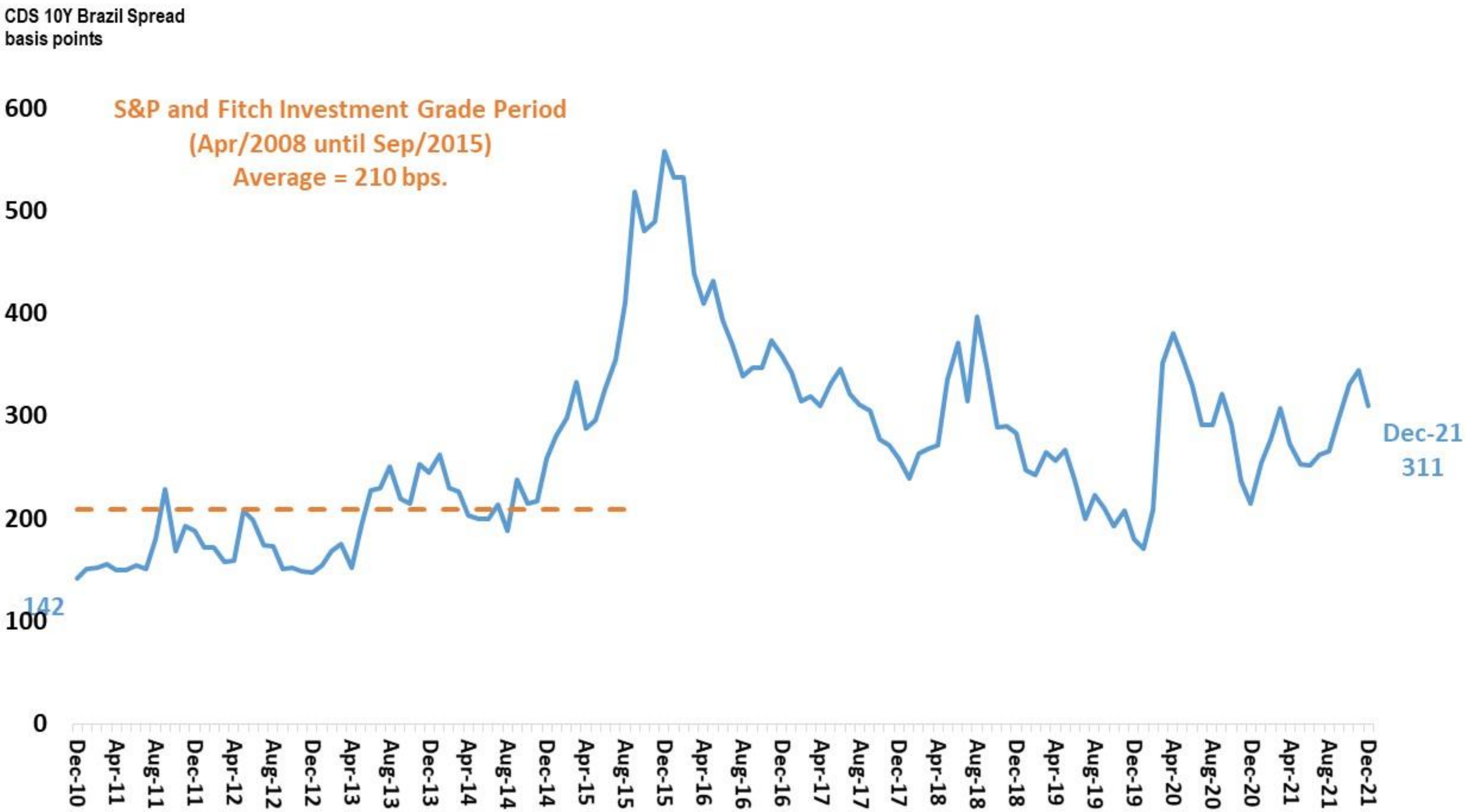
Source: Central Bank of Brazil.

Sovereign Risk (EMBI+ BR)



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

Sovereign Risk (CDS 10Y BR)



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

Foreign Trade

Foreign Trade

											BCB/Focus:	12/10/21	
Exchange Rate Indicators (BCB) FX % change rate: appreciation (-) or depreciation (+) of the Real	**November-21**	**2019**	**2020**	**chg.% Sep/21-Sep/20**	**chg.% Oct/21-Oct/20**	**chg.% Nov/21-Nov/20**	**YTD 2021**	**Sep/21 accum. in 12-months**	**Oct/21 accum. in 12-months**	**Nov/21 accum. in 12-months**	**Average FX Rate 2021**	**Average FX Rate 2022**	**Average FX Rate 2023**
Nominal Exchange Rate (R$/US$) - sale - end of period; month value:	**5.6199**	**7.2%**	**32.9%**	**-3.6%**	**-2.2%**	**5.4%**	**2.8%**	**9.3%**	**5.9%**	**4.5%**	**5.59**	**5.55**	**5.40**
Exchange Rate Indicators (BCB) FX % change rate: appreciation (-) or depreciation (+) of the Real	**October-21**	**2019**	**2020**	**chg.% Aug/21-Aug/20**	**chg.% Sep/21-Sep/20**	**chg.% Oct/21-Oct/20**	**YTD 2021**	**Aug/21 accum. in 12-months**	**Sep/21 accum. in 12-months**	**Oct/21 accum. in 12-months**			
Real Effective Exchange Rate (IPCA)		1.4%	27.9%	-6.8%	-5.9%	-5.8%	3.9%	13.9%	10.7%	7.3%			
Exchange Rate / Wage Ratio adjusted by Labor Productivity		0.9%	9.1%	-27.8%	-20.6%	-17.0%	-22.6%	-17.0%	-18.9%	-20.3%			
Unitary Labor Cost in US$		-5.0%	-20.2%	15.7%	17.6%	17.1%	-2.4%	-13.4%	-10.0%	-6.4%			
Foreign Trade of Goods (FUNCEX) Average Price and Quantum	**October-21**	**2019**	**2020**	**chg.% Aug/21-Aug/20**	**chg.% Sep/21-Sep/20**	**chg.% Oct/21-Oct/20**	**YTD 2021**	**Aug/21 accum. in 12-months**	**Sep/21 accum. in 12-months**	**Oct/21 accum. in 12-months**			
QUANTUM													
Exports (X)		**-0.9%**	**1.4%**	**8.6%**	**1.2%**	**1.3%**	**4.2%**	**2.6%**	**2.5%**	**3.4%**			
Basic Goods		1.8%	5.8%	7.6%	-3.7%	-2.2%	-0.1%	-1.9%	-2.4%	-1.2%			
Semi-Manufactured		0.3%	10.0%	-1.8%	3.1%	-16.0%	0.1%	5.6%	5.0%	1.9%			
Manufactured		-2.2%	-9.1%	16.5%	11.0%	18.5%	15.5%	9.8%	11.3%	13.7%			
Imports (M)		**4.4%**	**-7.9%**	**39.7%**	**24.4%**	**23.8%**	**24.7%**	**16.7%**	**19.7%**	**23.8%**			
Intermediate Goods		5.2%	-7.4%	38.4%	26.5%	26.4%	29.9%	21.2%	24.4%	28.8%			
Capital Goods		12.5%	-4.4%	39.0%	9.9%	15.4%	6.5%	9.4%	9.9%	13.5%			
Durable Consumer Goods		-14.2%	-30.1%	46.1%	36.8%	17.8%	45.0%	23.4%	29.4%	33.4%			
Semi and Non-Durable Consumer Goods		0.3%	-2.6%	16.6%	9.5%	-11.0%	8.0%	8.5%	9.7%	9.4%			
Fuel and Lubricants		-3.3%	-15.7%	63.3%	36.5%	48.4%	26.5%	4.3%	9.7%	16.1%			
Exports Profitability Index		**-1.0%**	**6.9%**	**5.5%**	**0.3%**	**2.1%**	**2.1%**	**3.3%**	**2.8%**	**2.1%**			
Quantum Ratio = average quantum X / average quantum M		**-5.2%**	**12.5%**	**-22.3%**	**-18.6%**	**-18.1%**	**-18.5%**	**-14.3%**	**-16.4%**	**-18.3%**			
PRICE													
Exports (X)		**-3.8%**	**-6.7%**	**44.7%**	**32.6%**	**26.2%**	**29.6%**	**18.7%**	**21.9%**	**24.3%**			
Basic Goods		-1.9%	-4.8%	57.7%	39.5%	29.7%	40.0%	27.6%	31.1%	33.6%			
Semi-Manufactured		-7.0%	-6.4%	40.8%	34.4%	31.6%	26.8%	17.8%	20.7%	23.2%			
Manufactured		-4.4%	-10.3%	21.4%	19.4%	18.2%	11.6%	3.2%	5.8%	7.9%			
Imports (M)		**-3.9%**	**-7.3%**	**20.8%**	**22.1%**	**25.2%**	**10.8%**	**2.4%**	**4.7%**	**7.4%**			
Intermediate Goods		-4.0%	-5.1%	21.3%	22.9%	23.9%	12.7%	5.0%	7.3%	9.7%			
Capital Goods		-4.3%	-1.4%	0.7%	5.7%	2.3%	-2.1%	-3.2%	-2.7%	-2.4%			
Durable Consumer Goods		0.8%	-6.8%	9.6%	5.0%	7.9%	2.9%	-2.8%	-1.5%	-0.2%			
Semi and Non-Durable Consumer Goods		-0.1%	-6.6%	6.3%	7.0%	19.1%	-0.3%	-6.3%	-5.0%	-2.4%			
Fuel and Lubricants		-3.2%	-25.4%	79.5%	79.8%	93.3%	34.4%	4.1%	12.1%	21.6%			
Terms of Trade = average price X / average price M		**0.1%**	**0.6%**	**19.8%**	**8.6%**	**0.9%**	**17.0%**	**15.7%**	**16.2%**	**15.6%**			

Macroeconomic Parameters

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. %
2015	52.37	-47.07	149735.04	-21.05	2.51	-9.33	4.77	-4.70
2016	44.05	-15.89	125182.54	-16.40	2.62	4.09	4.52	-5.13
2017	54.39	23.49	139730.39	11.62	2.69	2.63	4.56	0.91
2018	71.07	30.66	161647.66	15.69	2.33	-13.13	4.64	1.56
2019	64.03	-9.91	163757.67	1.31	2.32	-0.49	4.77	3.00
2020	42.30	-33.94	144852.28	-11.54	2.18	-6.13	4.79	0.30
2021	**71.32**	**68.61**	**191057.33**	**31.90**	**2.40**	**10.20**	**5.18**	**8.20**
2022	**77.37**	**8.48**	**209864.24**	**9.84**	**2.51**	**4.39**	**5.34**	**2.99**
2023	**71.92**	**-7.05**	**237491.19**	**13.16**	**2.61**	**4.31**	**5.54**	**3.73**
2024	**68.63**	**-4.58**	**268225.99**	**12.94**	**2.73**	**4.34**	**5.72**	**3.29**
2025	**66.31**	**-3.38**	**303082.15**	**13.00**	**2.85**	**4.34**	**5.90**	**3.22**

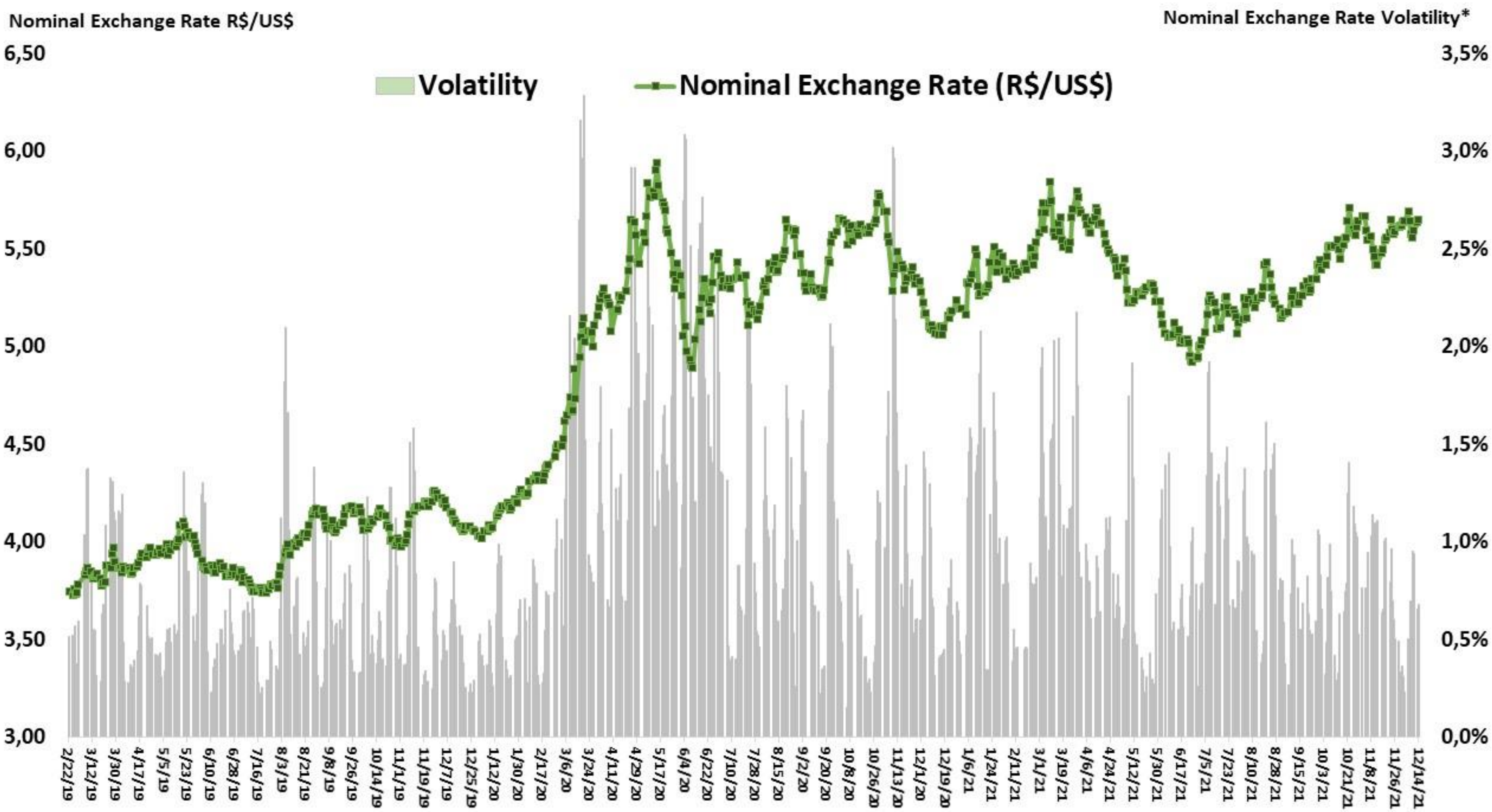
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Macroeconomic Parameters

Macroeconomic Parameters				
Year	External Sector			
	Exchange Rate			
	Annual Average	December	*Average chg. %*	*Annual chg. %*
	Exchange Rate BRL/USD			
2015	3.3	3.9	41.6	46.7
2016	3.5	3.3	4.8	-13.4
2017	3.2	3.3	-8.5	-1.8
2018	3.65	3.87	14.49	18.02
2019	3.95	4.03	7.95	5.78
2020	5.16	5.20	30.69	25.21
2021	**5.39**	**5.50**	**4.50**	**7.37**
2022	**5.53**	**5.50**	**2.62**	**-0.45**
2023	**5.41**	**5.30**	**-2.11**	**-2.73**
2024	**5.25**	**5.20**	**-2.99**	**-2.73**
2025	**5.20**	**5.20**	**-0.95**	**-0.08**

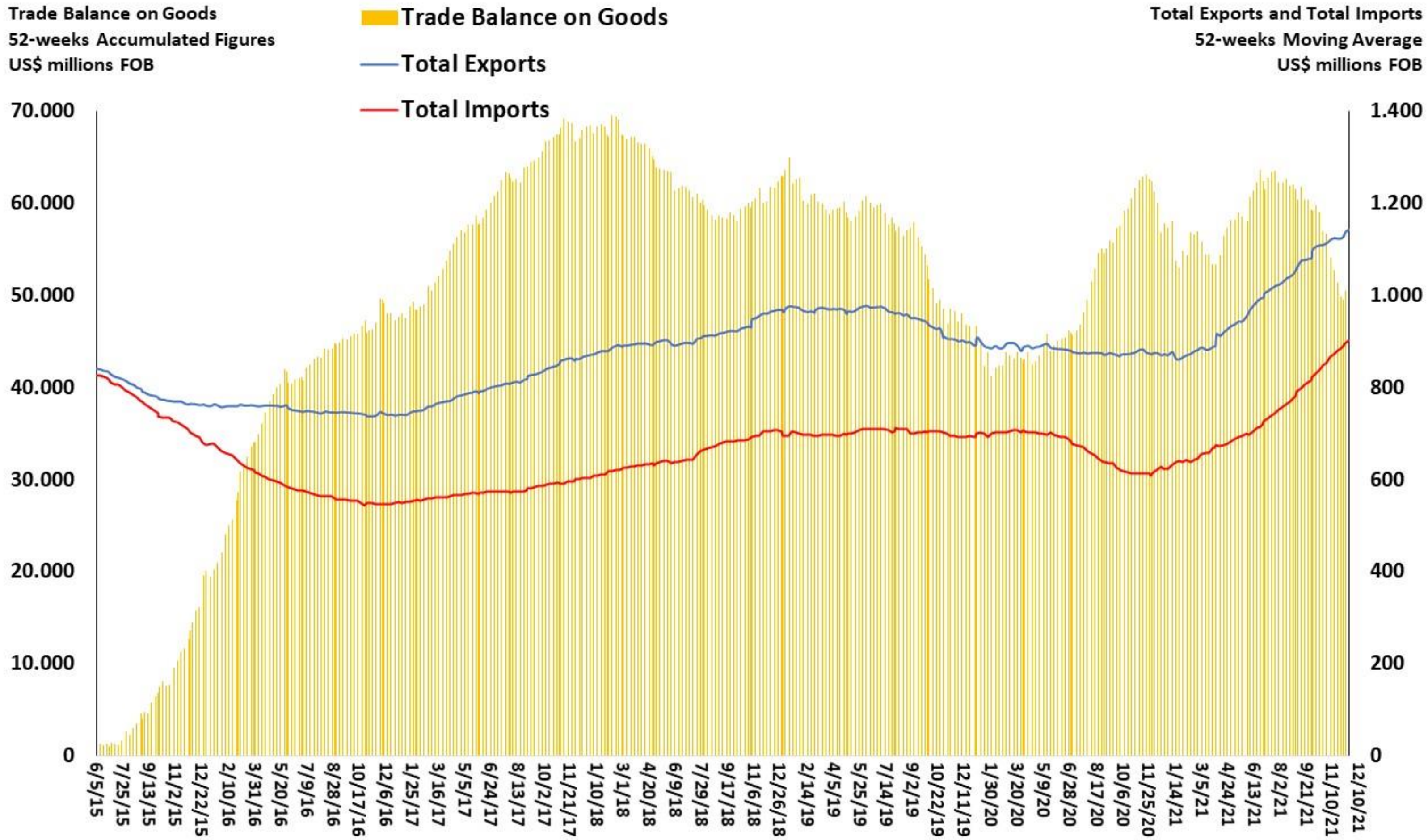
Source: SPE/ME. Macroeconomic Parameters, November-2021.

Daily Nominal Exchange Rate R$/US$



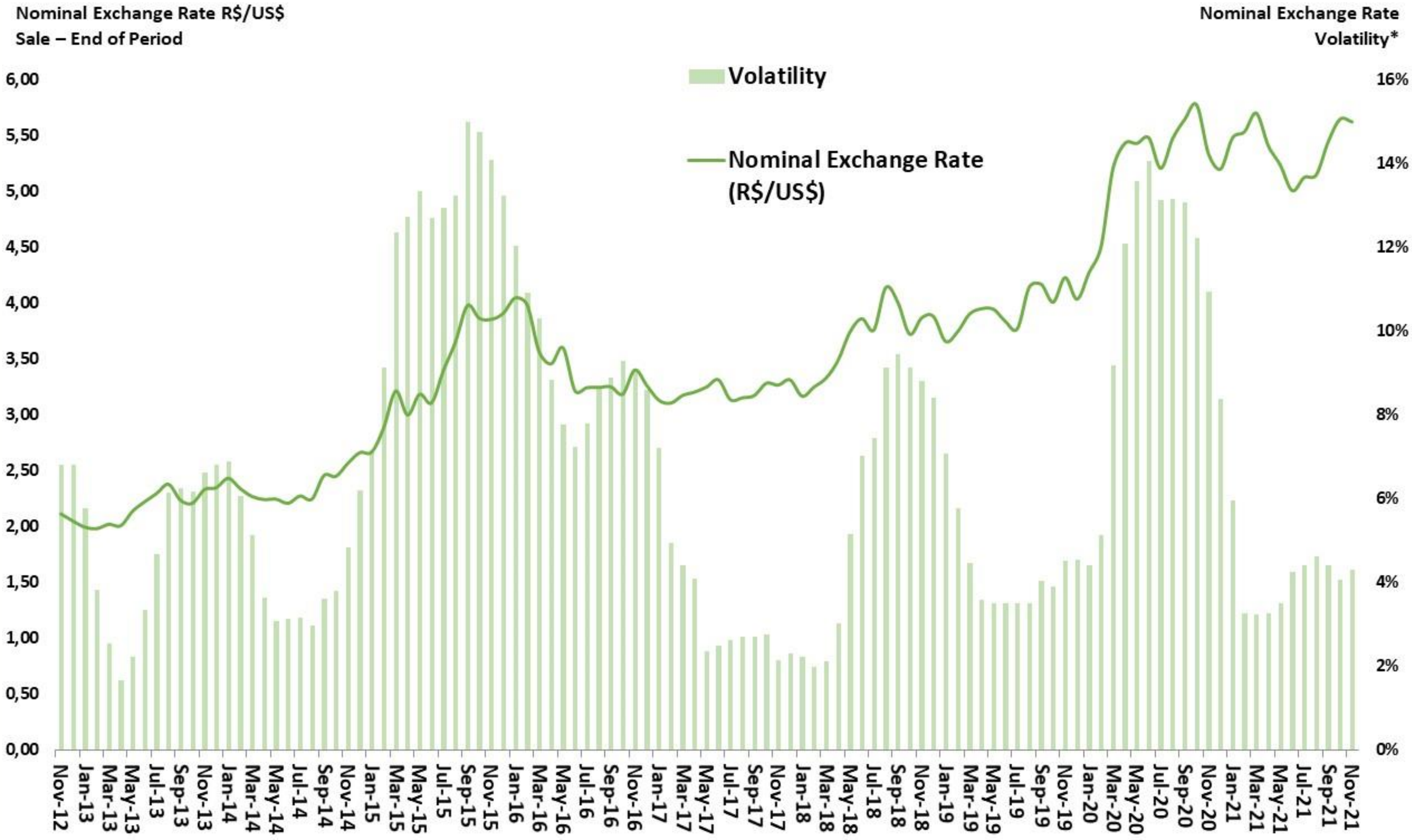
Source: Central Bank of Brazil. *Volatility = 5-days Moving Coefficient of Variation.

Trade Balance on Goods (52 weeks daily average)



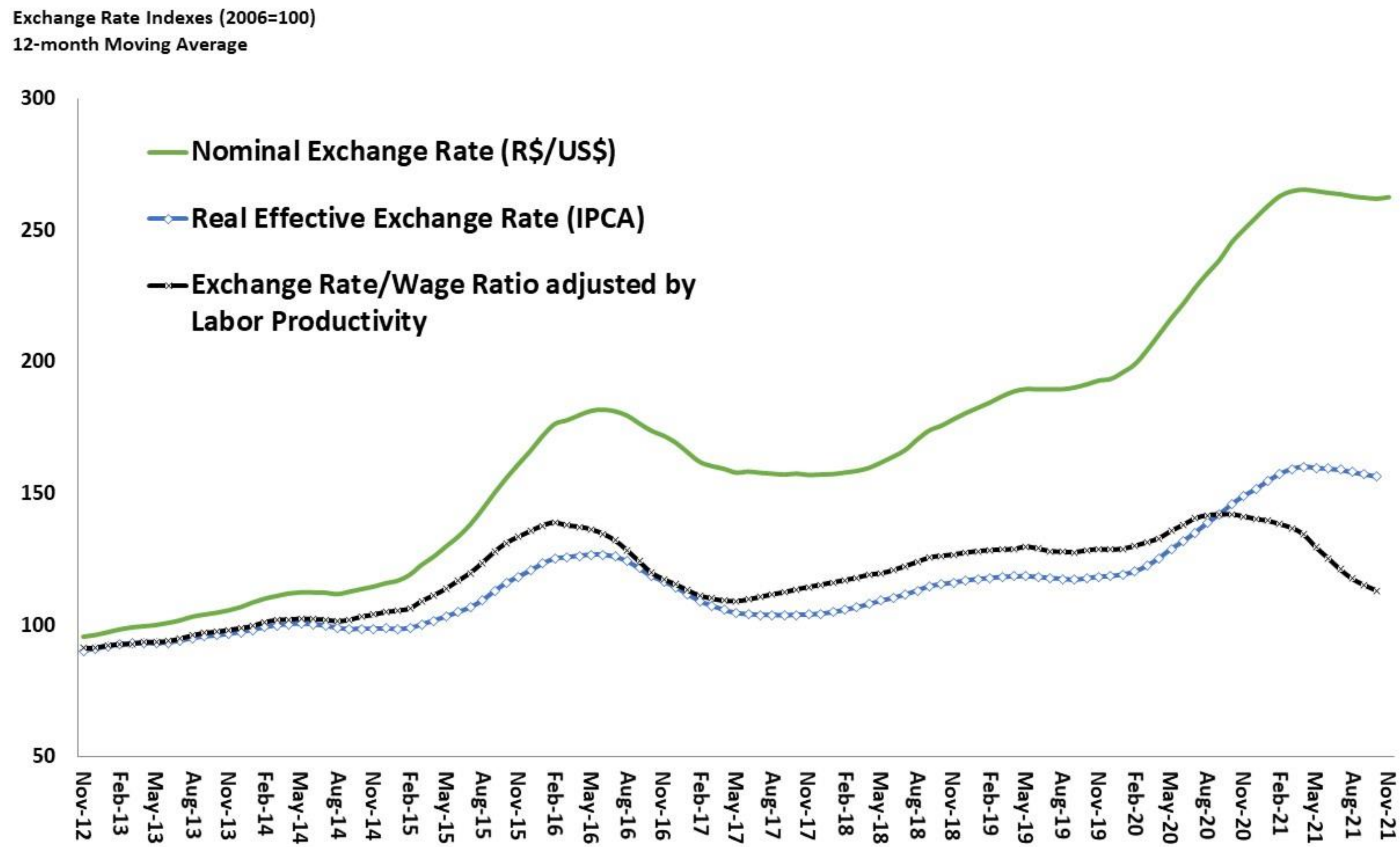
Source: SECEX.

Nominal Exchange Rate R$/US$



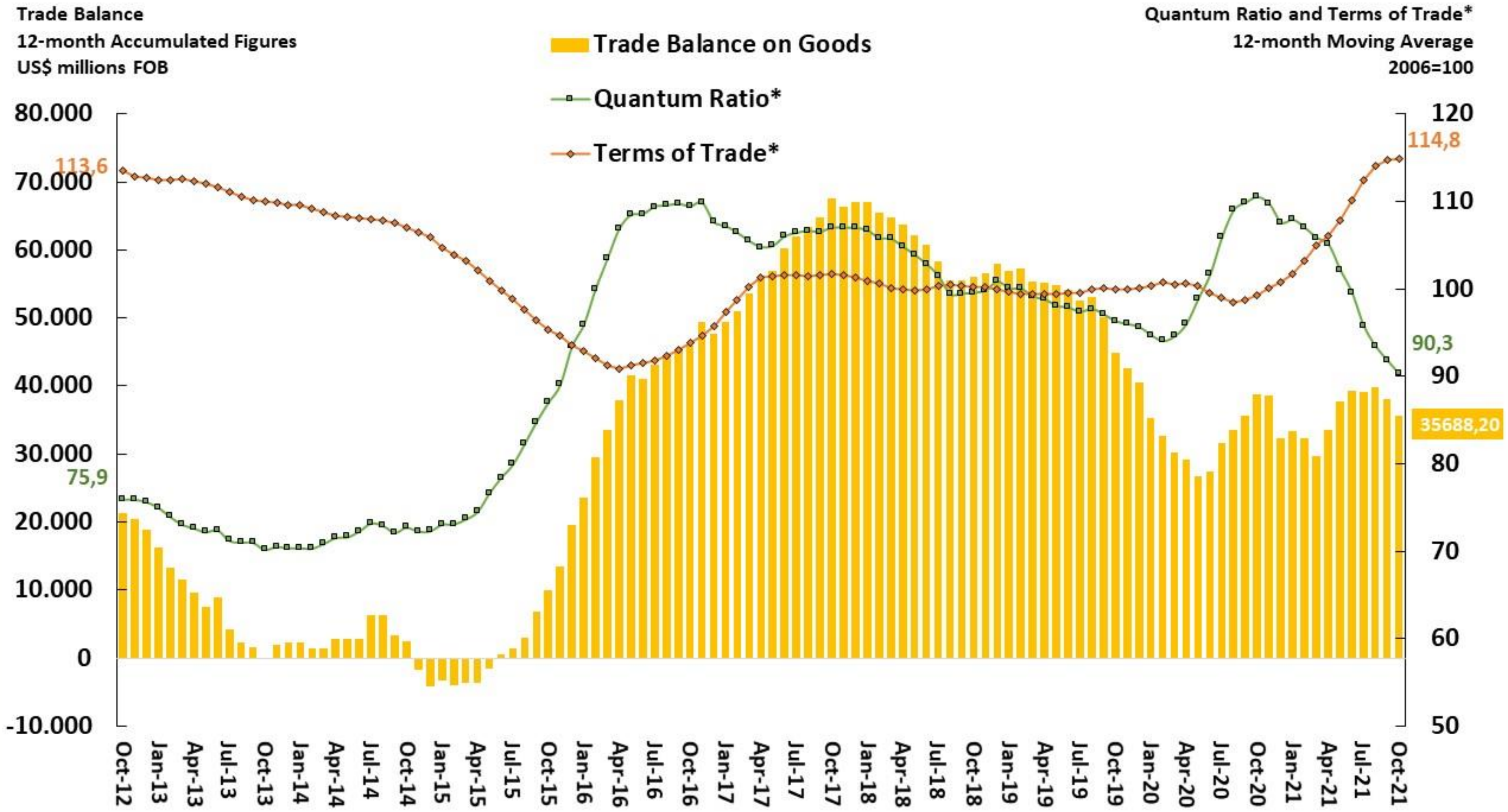
Source: Central Bank of Brazil. *Volatility = 12-months Moving Coefficient of Variation.

Exchange Rate Indices



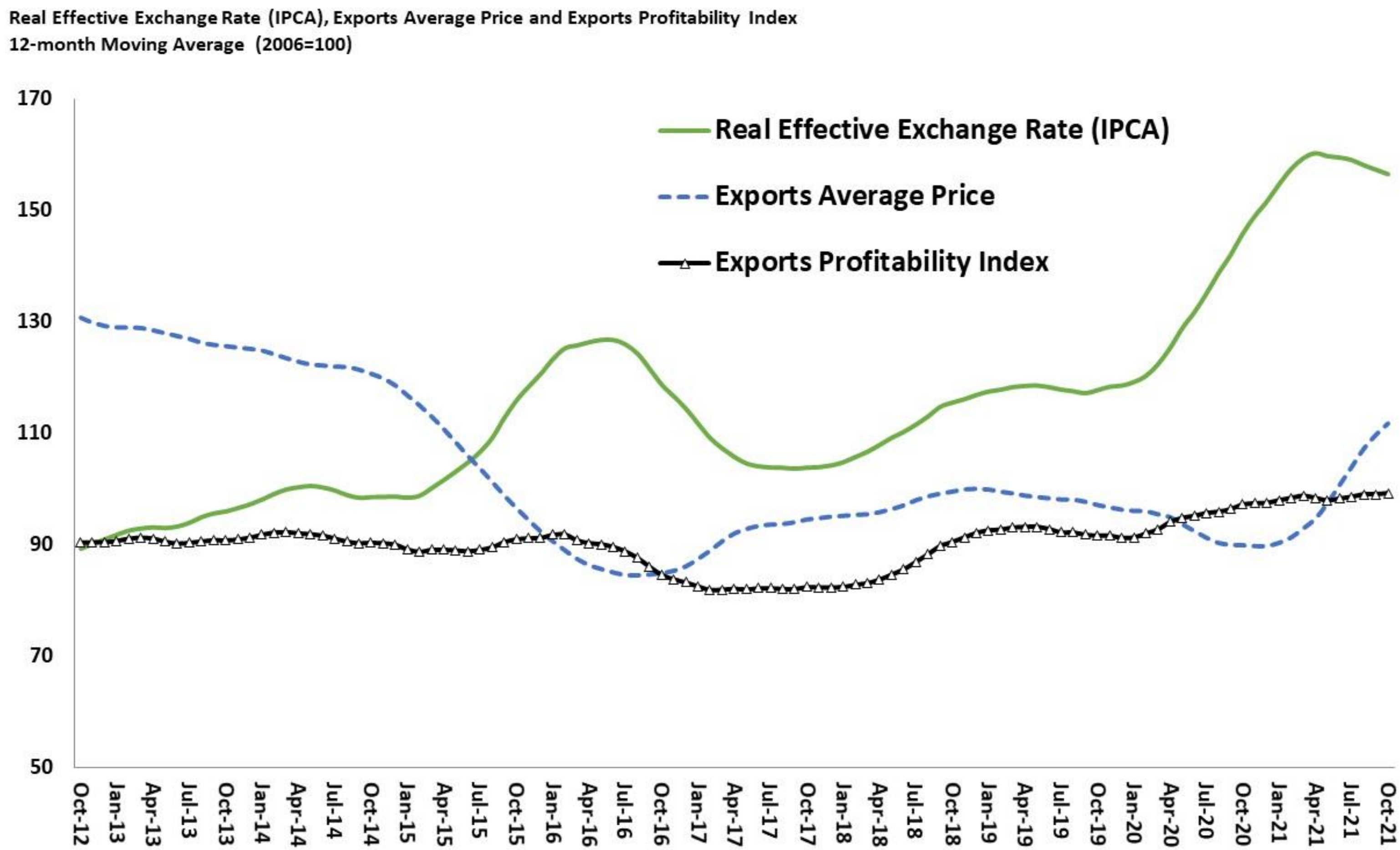
Source: Central Bank of Brazil.

Trade Balance, Quantum and Terms of Trade Ratios



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)

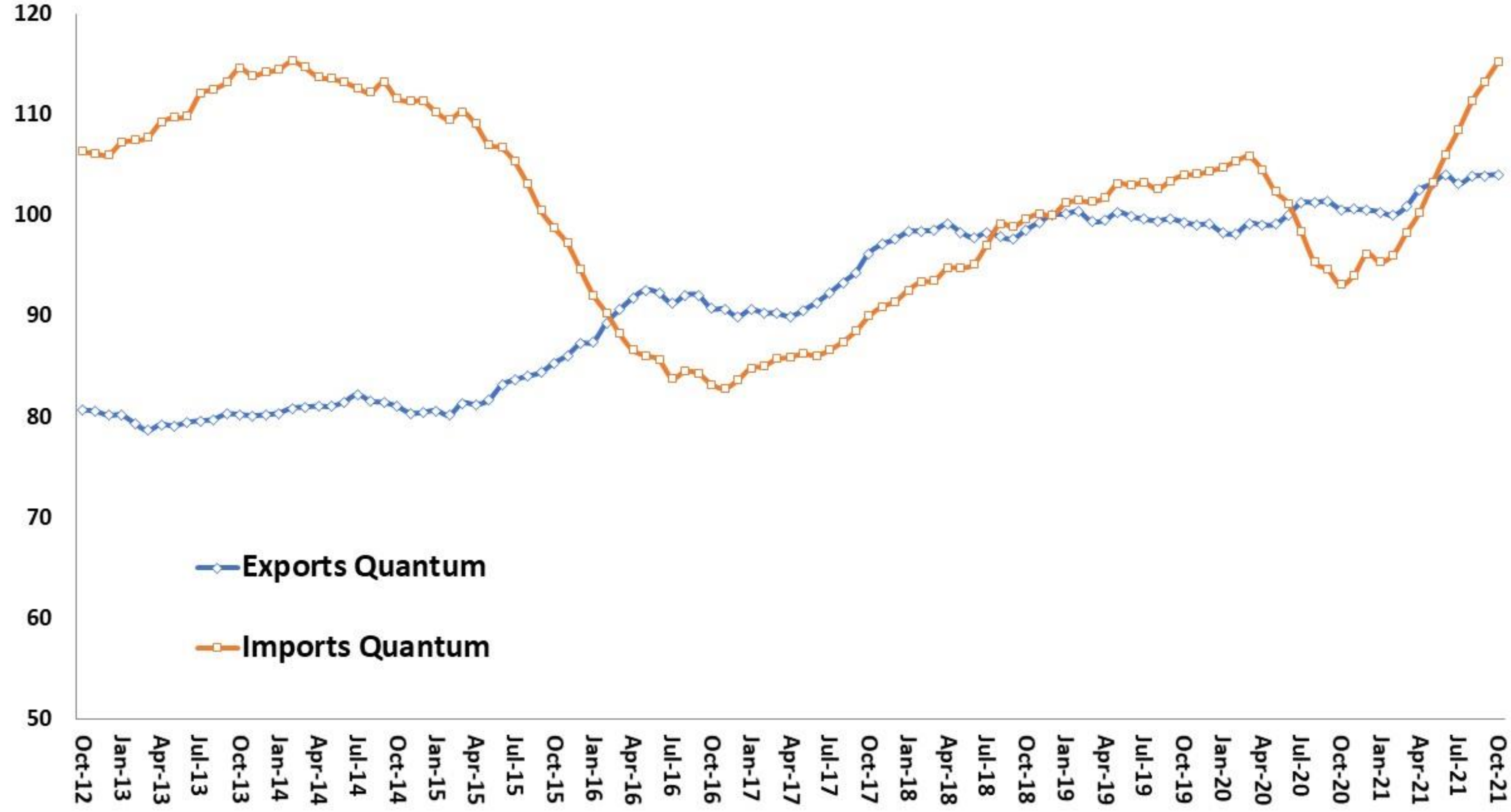
Exports: Profitability, Price and Real Exchange Rate



Sources: Central Bank of Brazil and FUNCEX.

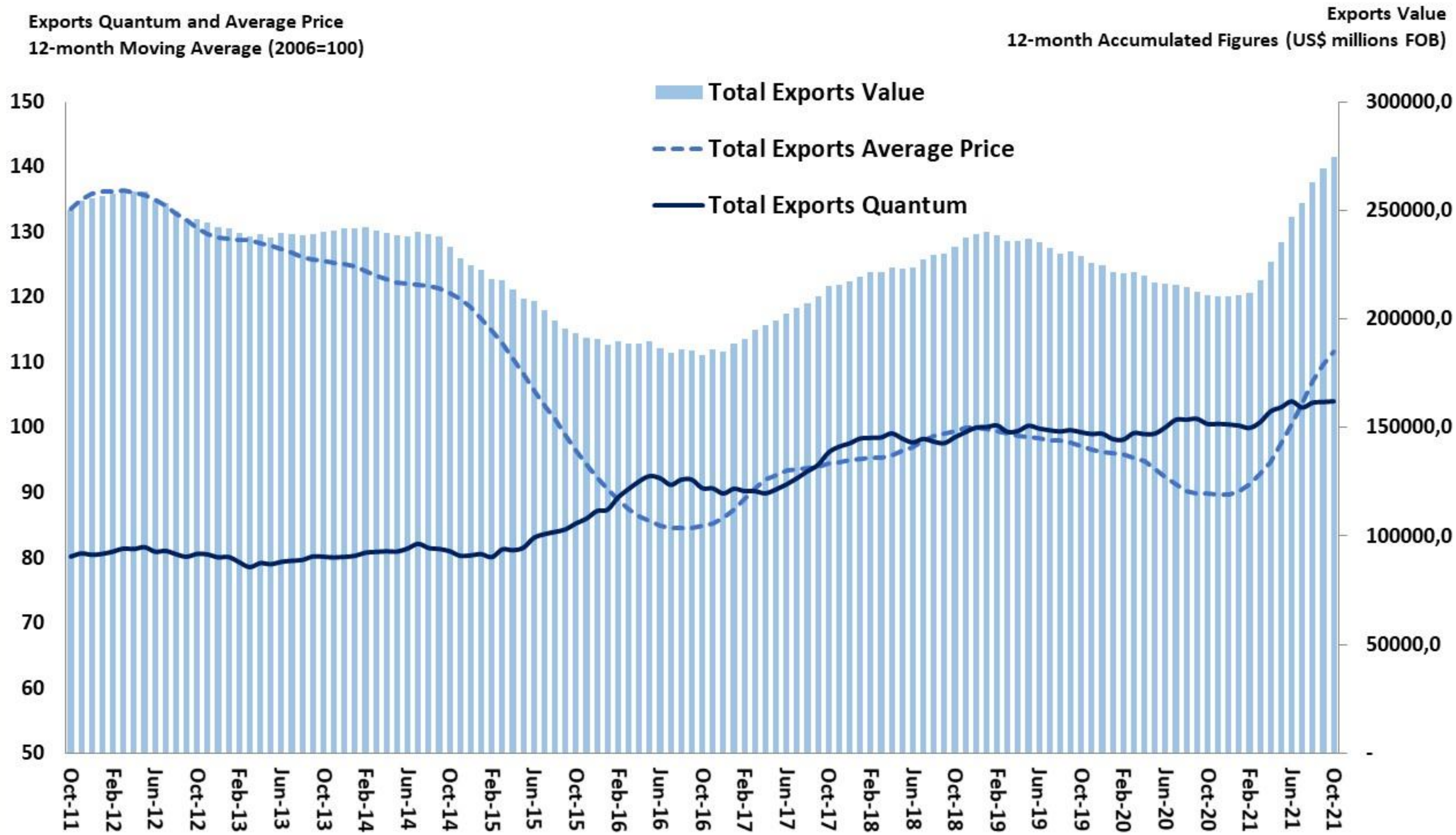
Quantum of Exports and Imports

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



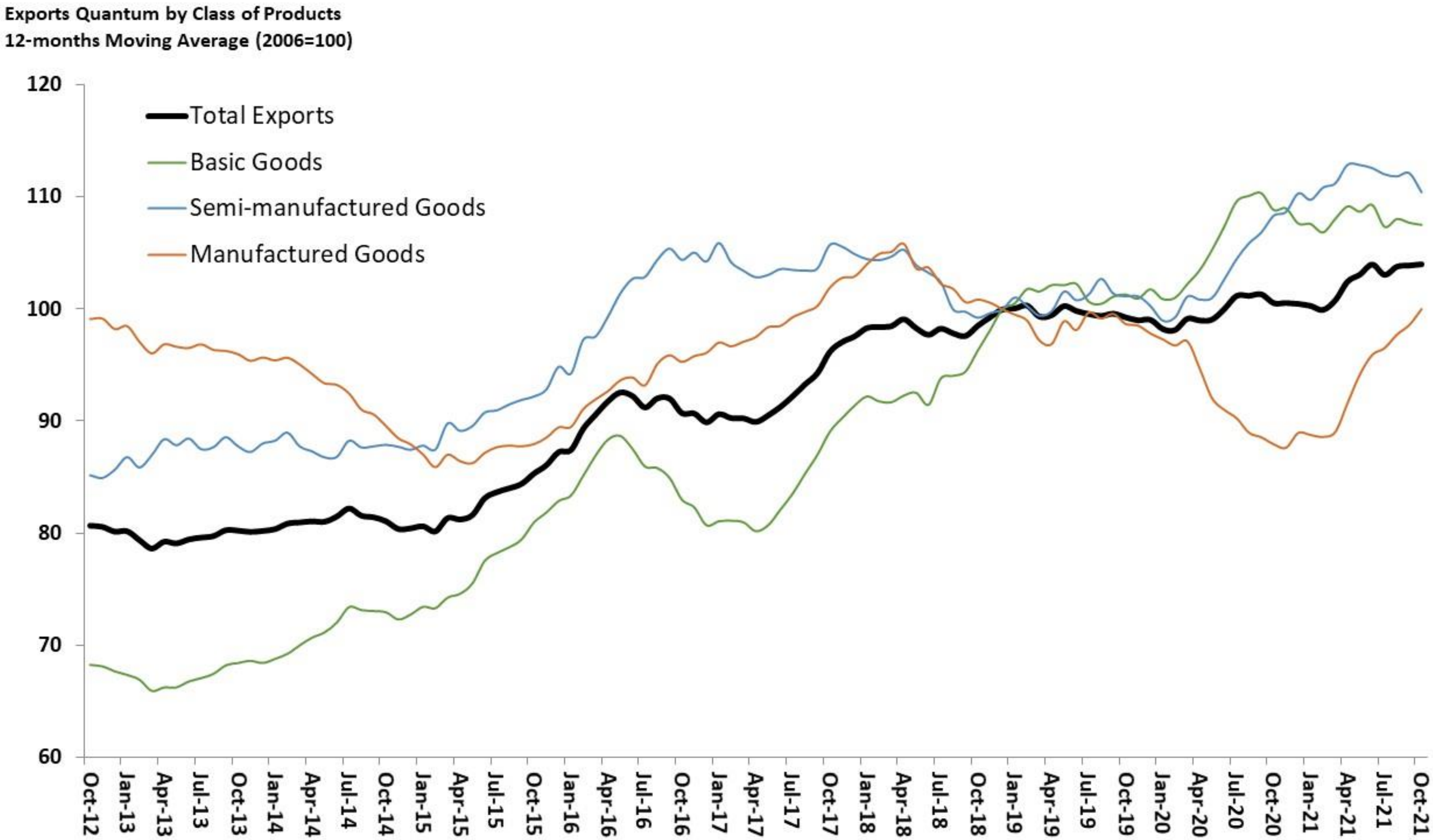
Source: FUNCEX.

Total Exports: value, quantum and price



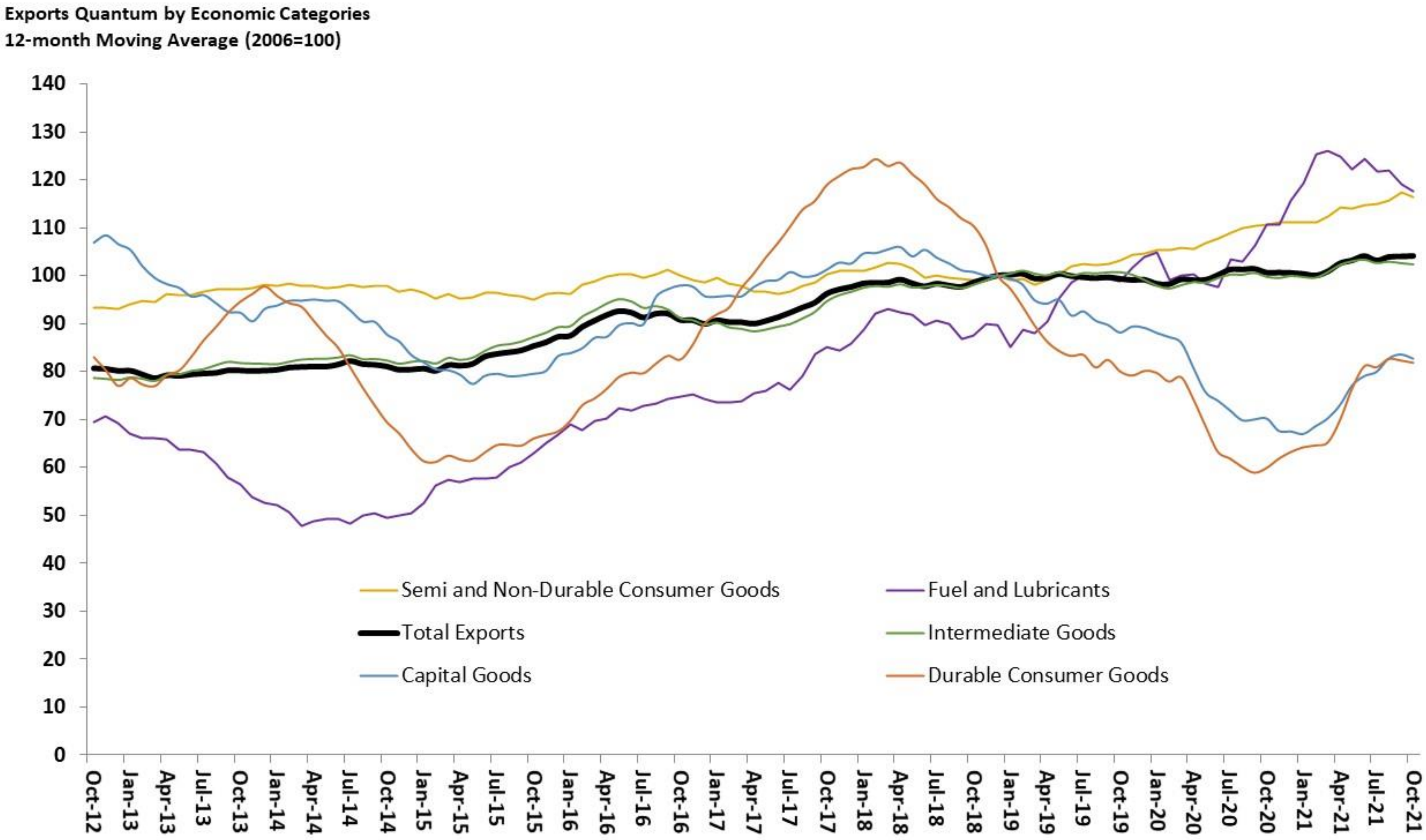
Sources: SECEX and FUNCEX.

Quantum of Total Exports by Class of Products



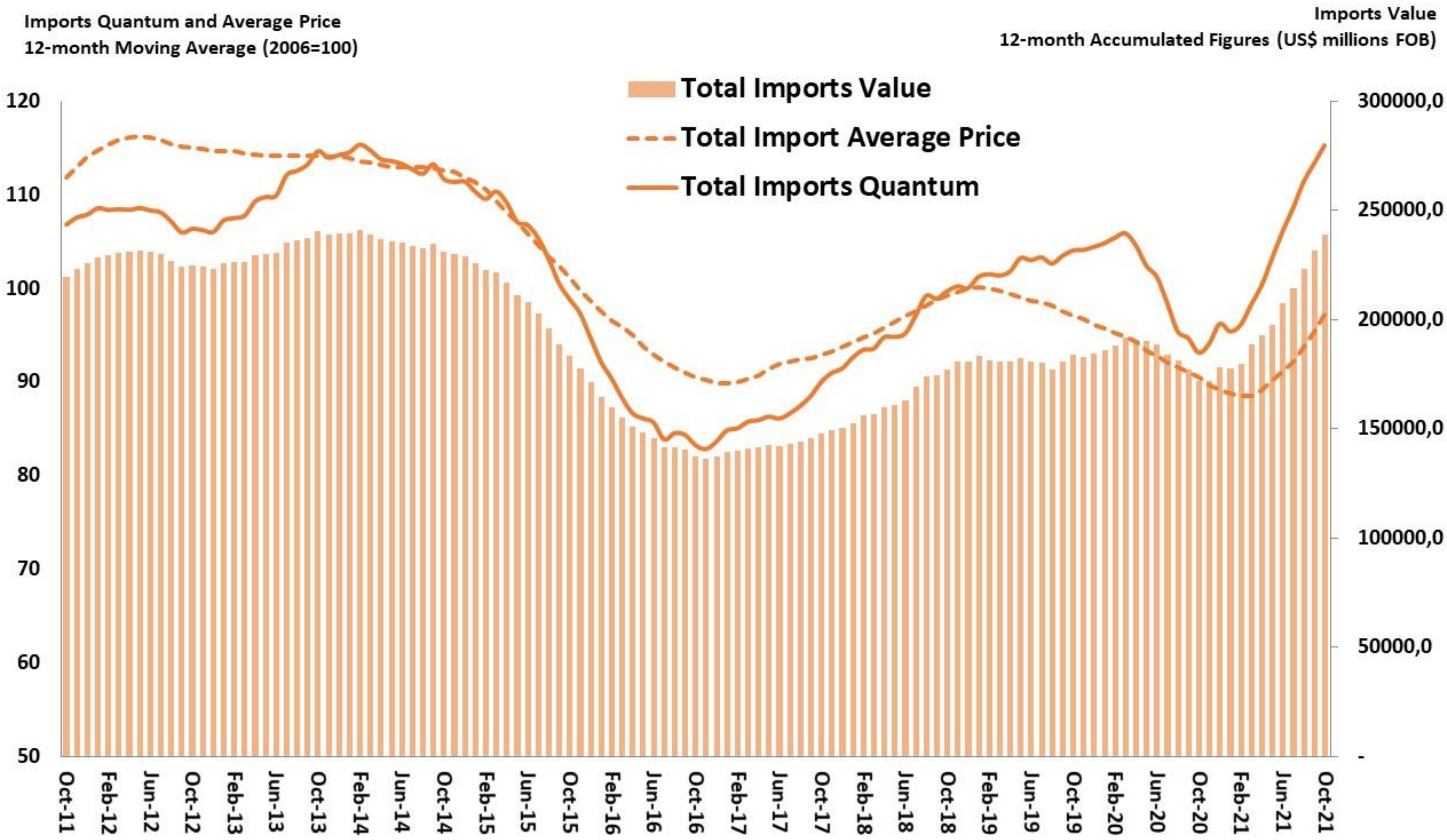
Source: FUNCEX.

Quantum of Total Exports by Economic Categories



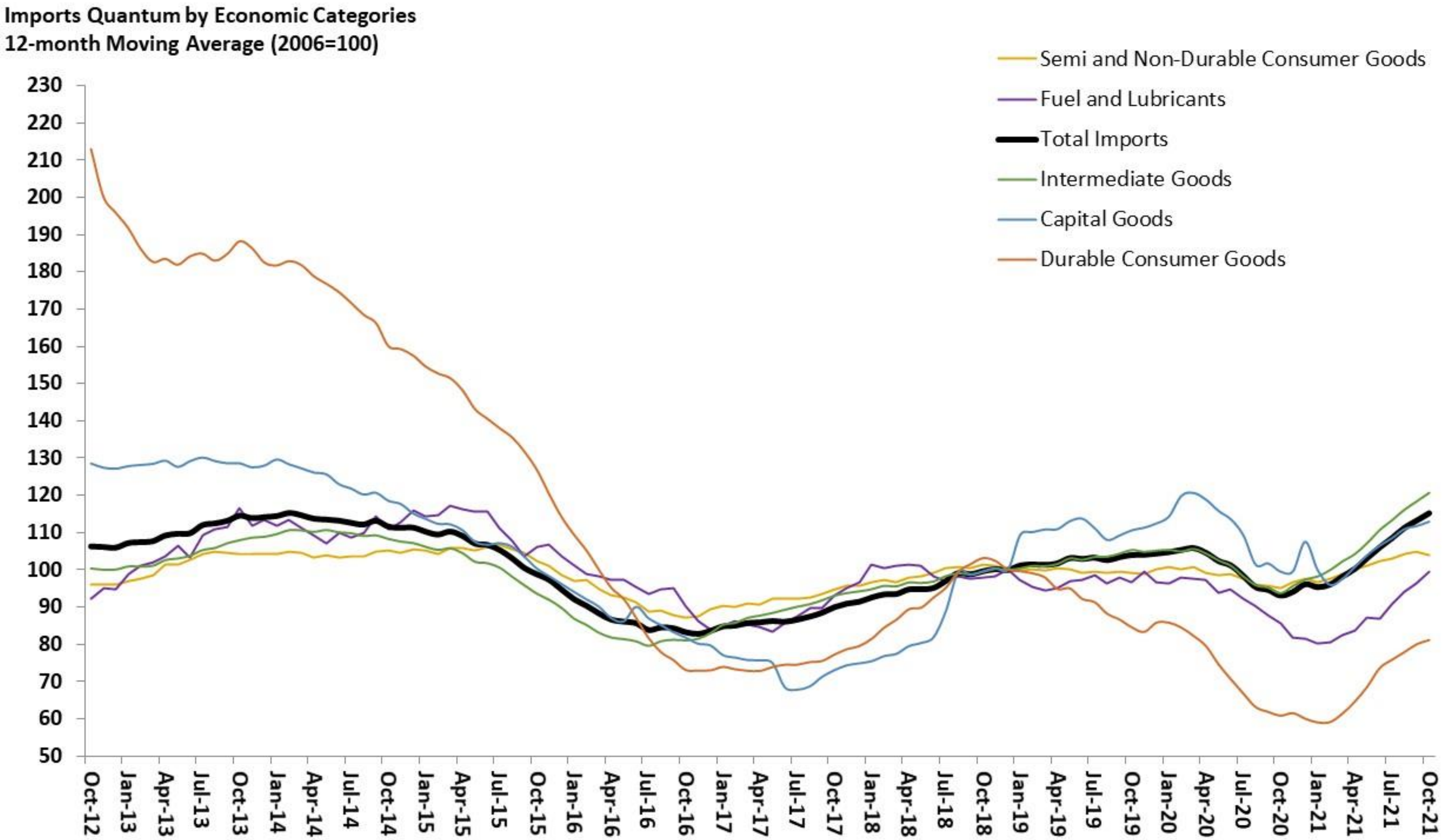
Source: FUNCEX.

Total Imports: value, quantum and price



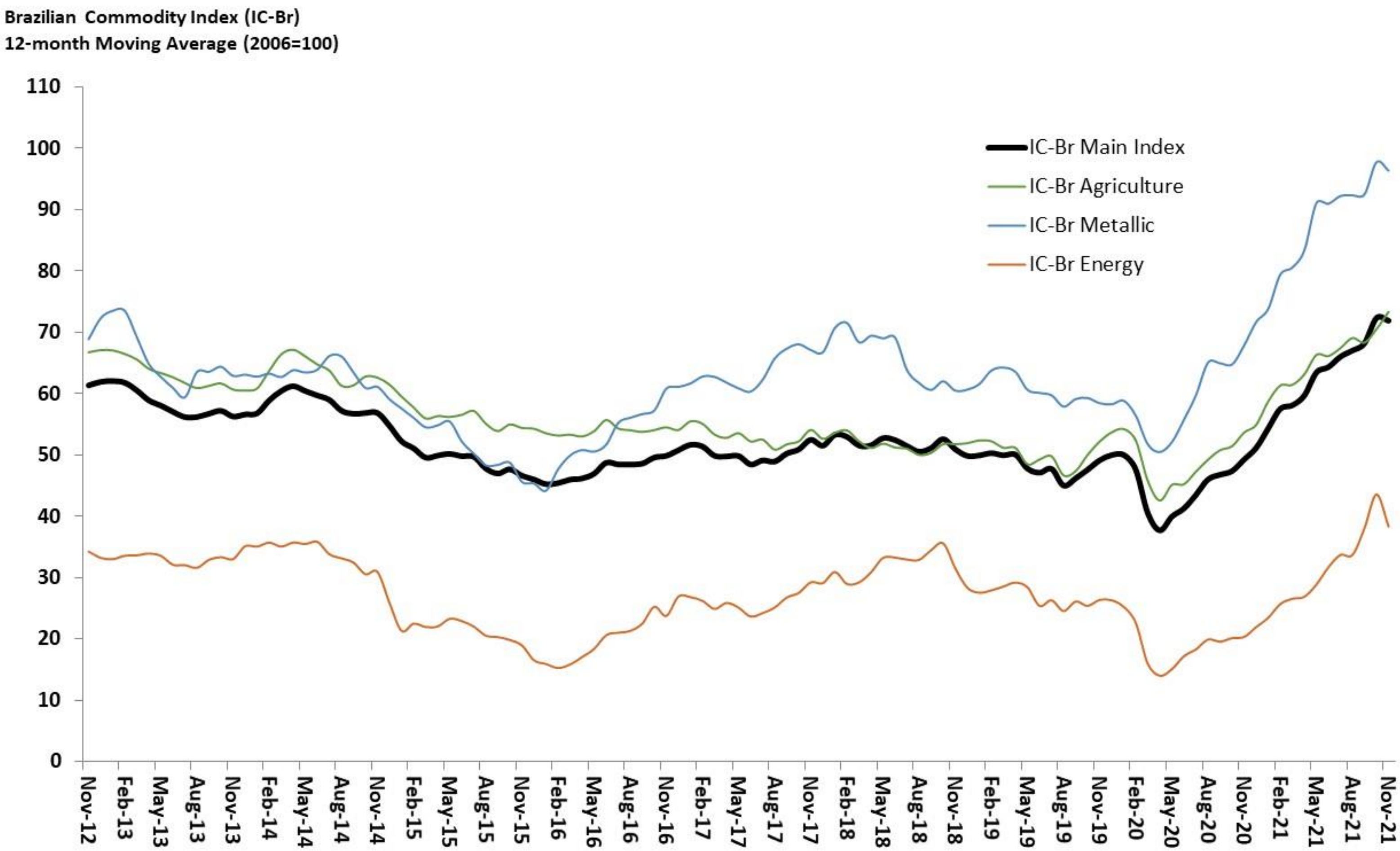
Sources: SECEX and FUNCEX.

Quantum of Total Imports and by Economic Categories



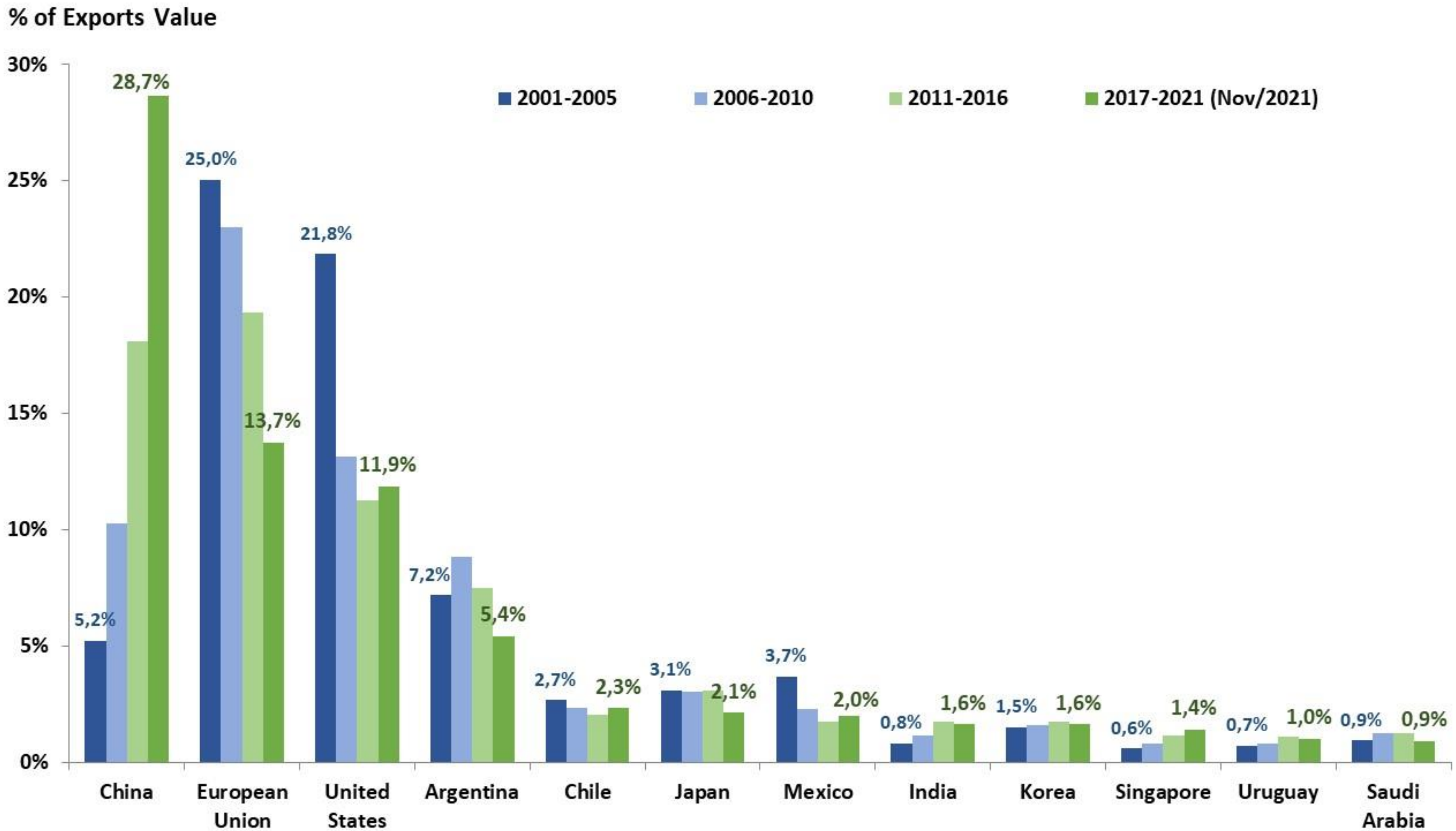
Source: FUNCEX.

Brazilian Commodity Price Indices



Source: Central Bank of Brazil.

Brazilian Exports Evolution by Country of Destination



Source: SECEX.

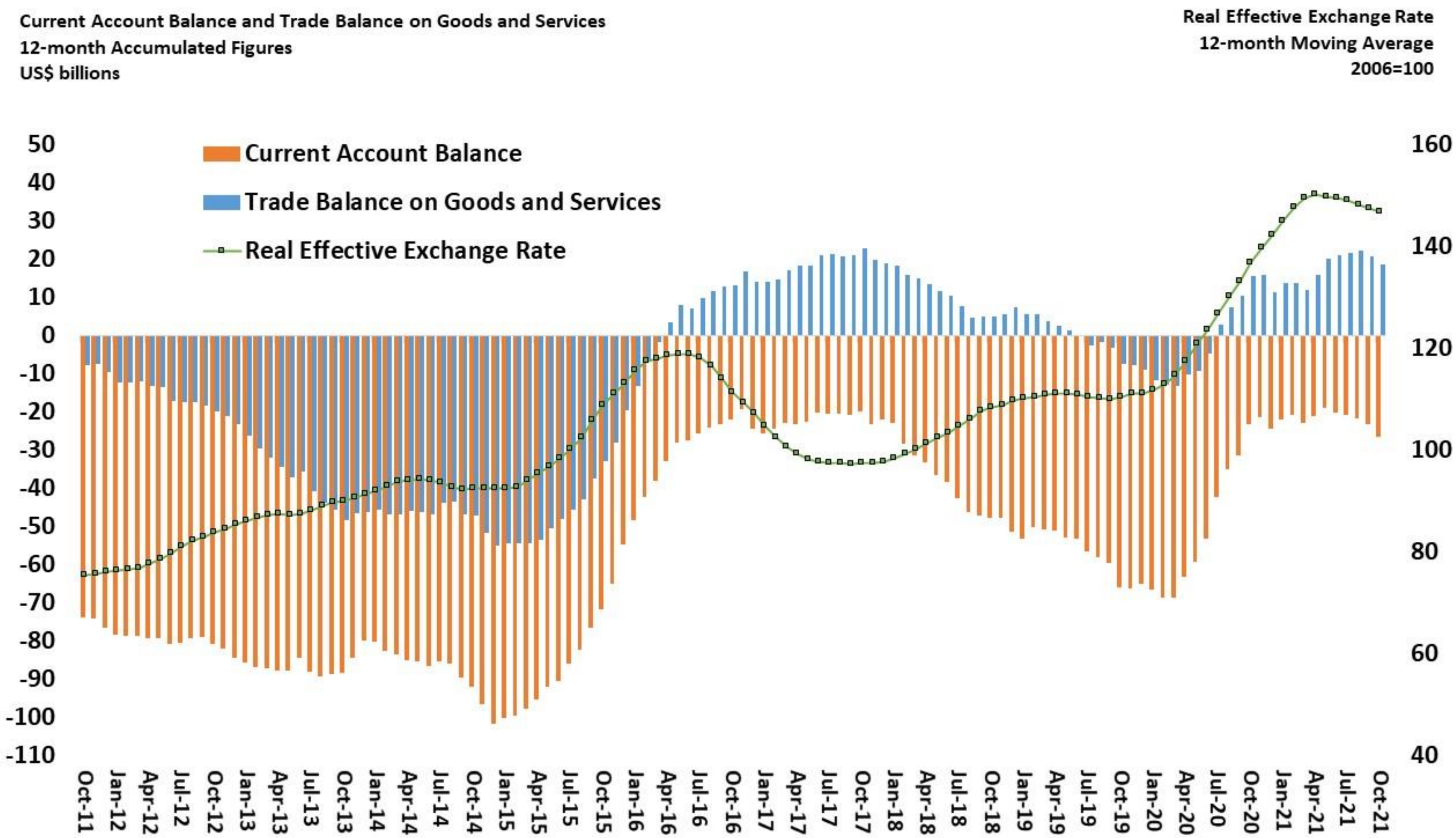
External Sector

External Sector

Balance of Payments (BCB) October-21 In US$ millions	2019	2020	Oct/21 accum. in 12-months	chg.% 2020 / 2019	chg.% Oct/21 accum. 12-m / 2020	chg.% Sep/21 - Sep/20	chg.% Oct/21 - Oct/20	chg.% - Jan-Sep/21 - Jan-Sep/20	chg.% - Jan-Oct/21 - Jan-Oct/20	BCB/Focus: 12/10/21 2021	2022	2023
Balance of Payments	**304**	**7,878**	**915**	**2492.4%**	**-88.4%**	**-109.1%**	**-146.3%**	**-270.2%**	**-130.4%**			
Current Account Balance (CAB)	**-65,030**	**-24,492**	**-26,704**	**-62.3%**	**9.0%**	**1081.9%**	**287.6%**	**-75.5%**	**16.3%**	-19.5	-21.5	-27.7
CAB as % of GDP	*-3.5%*	*-1.7%*	*-1.7%*	*1.8 pp*	*0.0 pp*	*0.5 pp*	*-0.1 pp*	*0.0 pp*	*0.0 pp*			
Balance on Goods	26,547	32,369	35,688	21.9%	10.3%	-40.8%	-64.6%	59.5%	10.2%	62.2	61.6	59.0
Exports	225,800	210,707	274,656	-6.7%	30.3%	34.6%	27.8%	-7.9%	36.6%	280.2	285.1	280.0
Imports	199,253	178,337	238,968	-10.5%	34.0%	58.2%	52.0%	-16.0%	42.7%	218.0	223.5	221.0
Balance on Services	-35,489	-20,941	-17,117	-41.0%	-18.3%	-22.7%	-12.4%	-41.1%	-21.9%			
Primary Income	-57,272	-38,264	-48,424	-33.2%	26.6%	13.8%	38.9%	-35.0%	33.0%			
Secondary Income	1,184	2,344	3,149	97.91%	34.3%	31.1%	98.9%	78.8%	40.2%			
Capital Account	**369**	**4,141**	**3,982**	**1021.3%**	**-3.8%**	**-64.2%**	**-51.2%**	**4.7%**	**-45.9%**			
Financial Account	**-64,357**	**-12,472**	**-21,808**	**-80.6%**	**74.8%**	**-377.9%**	**901.5%**	**-86.4%**	**118.4%**			
Direct Investments	-46,355	-41,254	-25,071	-11.0%	-39.2%	16.5%	-35.2%	1.3%	-40.5%			
Foreign Direct Investments (FDI)	69,174	37,786	49,223	-45.4%	30.3%	61.6%	-20.5%	-40.4%	33.3%	52.0	58.1	70.1
Portfolio Investments	19,216	12,882	-19,413	-33.0%	-250.7%	-95.4%	-60.0%	63.9%	-100.0%			
Stock Market	5,227	7,701	-11,367	47.3%	-247.6%	285.9%	-69.3%	228.0%	-112.5%			
Bonds	9,636	-3,822	-21,358	-139.7%	458.9%	33.4%	-80.9%	-55.4%	-439.0%			
Others Investments and Capital Flows	-37,218	15,899	22,676	-142.7%	42.6%	-82.3%	-152.7%	-111.5%	164.9%			
International Reserves - liquidity concept	**356,884**	**355,620**	**367,927**	**-0.4%**	**3.5%**	**3.4%**	**3.8%**					

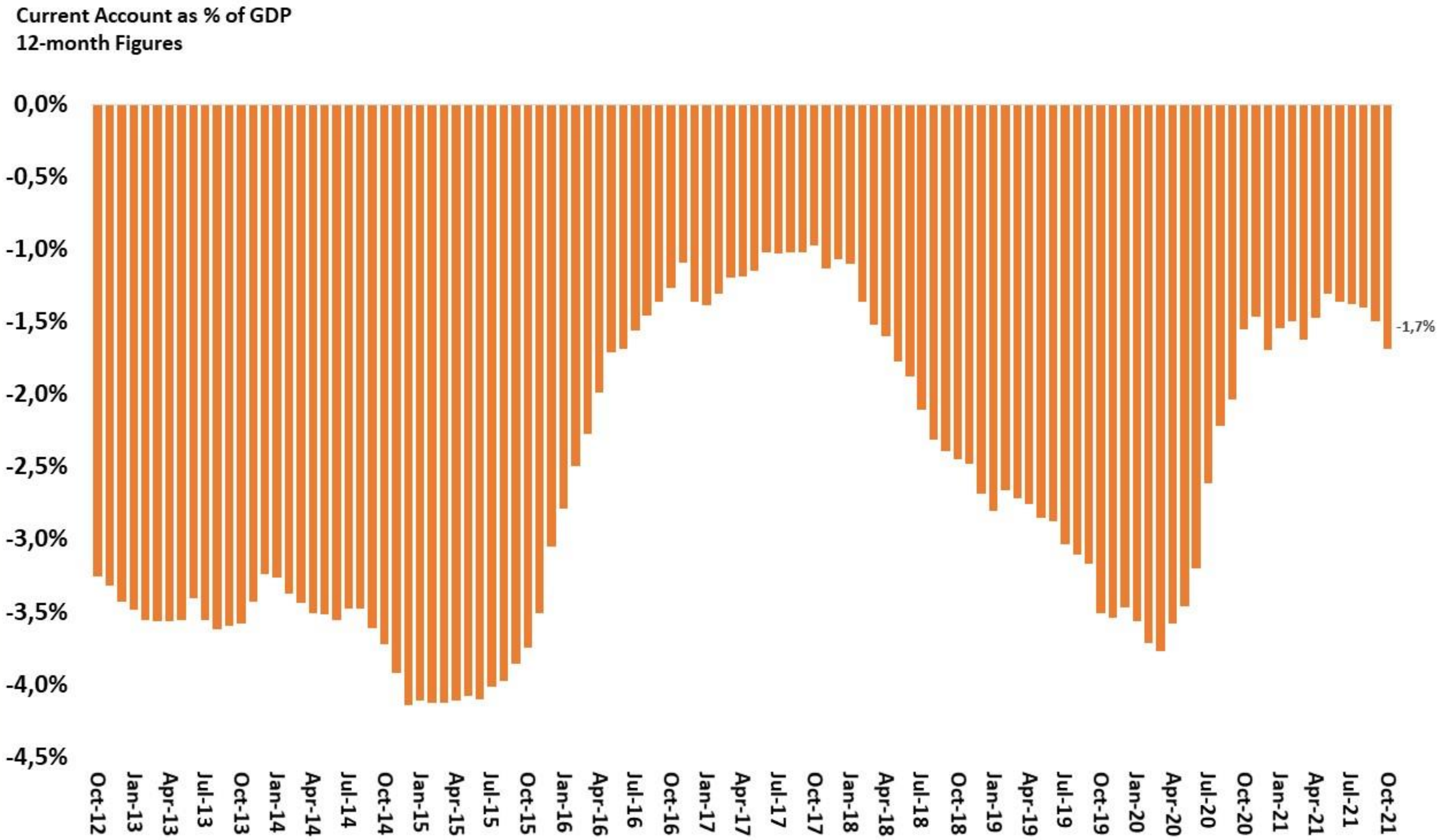
Gross External Debt (BCB) October-21 In US$ millions	2019	2020	Oct-21	2019 % of total	Oct/aa % of total	chg. pp	2019 % of GDP	Oct/21 % of GDP	chg. pp			
Total External Debt	**675,789**	**639,308**	**658,336**	**100.0%**	**100.0%**	**-**	**36.0%**	**40.9%**	**4.9 pp**			
Gross External Debt	**322,985**	**310,807**	**319,446**	**47.8%**	**48.5%**	**0.7 pp**	**17.2%**	**19.8%**	**2.6 pp**			
Public Sector	82,335	88,962	97,205	25.5%	30.4%	4.9 pp	4.4%	6.0%	1.7 pp			
Private Sector and Public Financial Sector	240,650	221,845	222,241	74.5%	69.6%	-4.9 pp	12.8%	13.8%	1.0 pp			
Short Term	79,179	68,983	68,273	24.5%	21.4%	-3.1 pp	4.2%	4.2%	0.0 pp			
Medium and Long Term	243,806	241,824	251,174	75.5%	78.6%	3.1 pp	13.0%	15.6%	2.6 pp			
Intercompany Loans	**250,662**	**244,096**	**243,789**	**37.1%**	**37.0%**	**-0.1 pp**	**13.4%**	**15.1%**	**1.8 pp**			
Domestic Bonds with Foreign Investors	**102,141**	**84,405**	**95,100**	**15.1%**	**14.4%**	**-0.7 pp**	**5.4%**	**5.9%**	**0.5 pp**			

Brazil: Real Exchange Rate and External Sector Adjustment



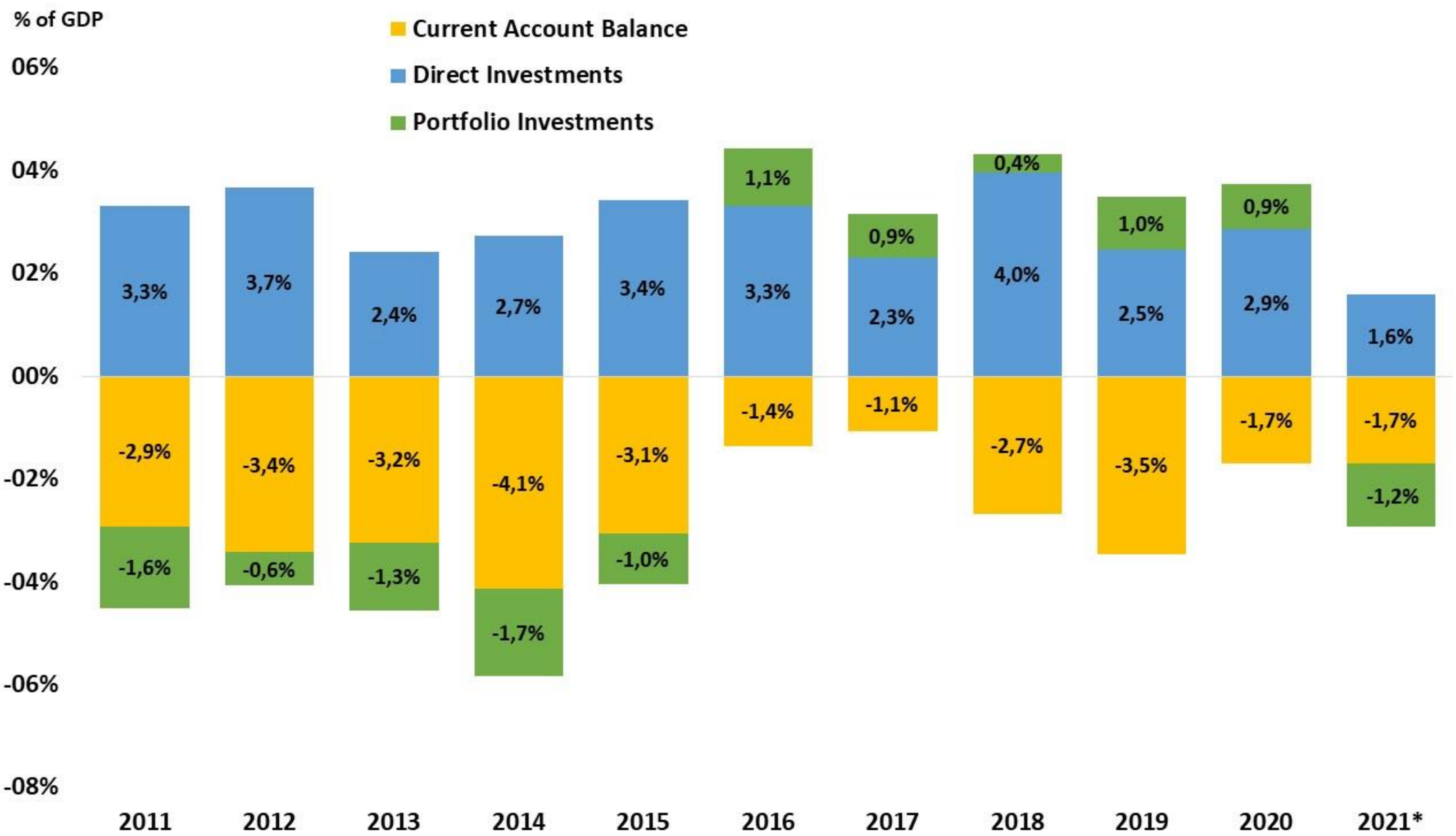
Source: Central Bank of Brazil.

Current Account Deficit as % of GDP



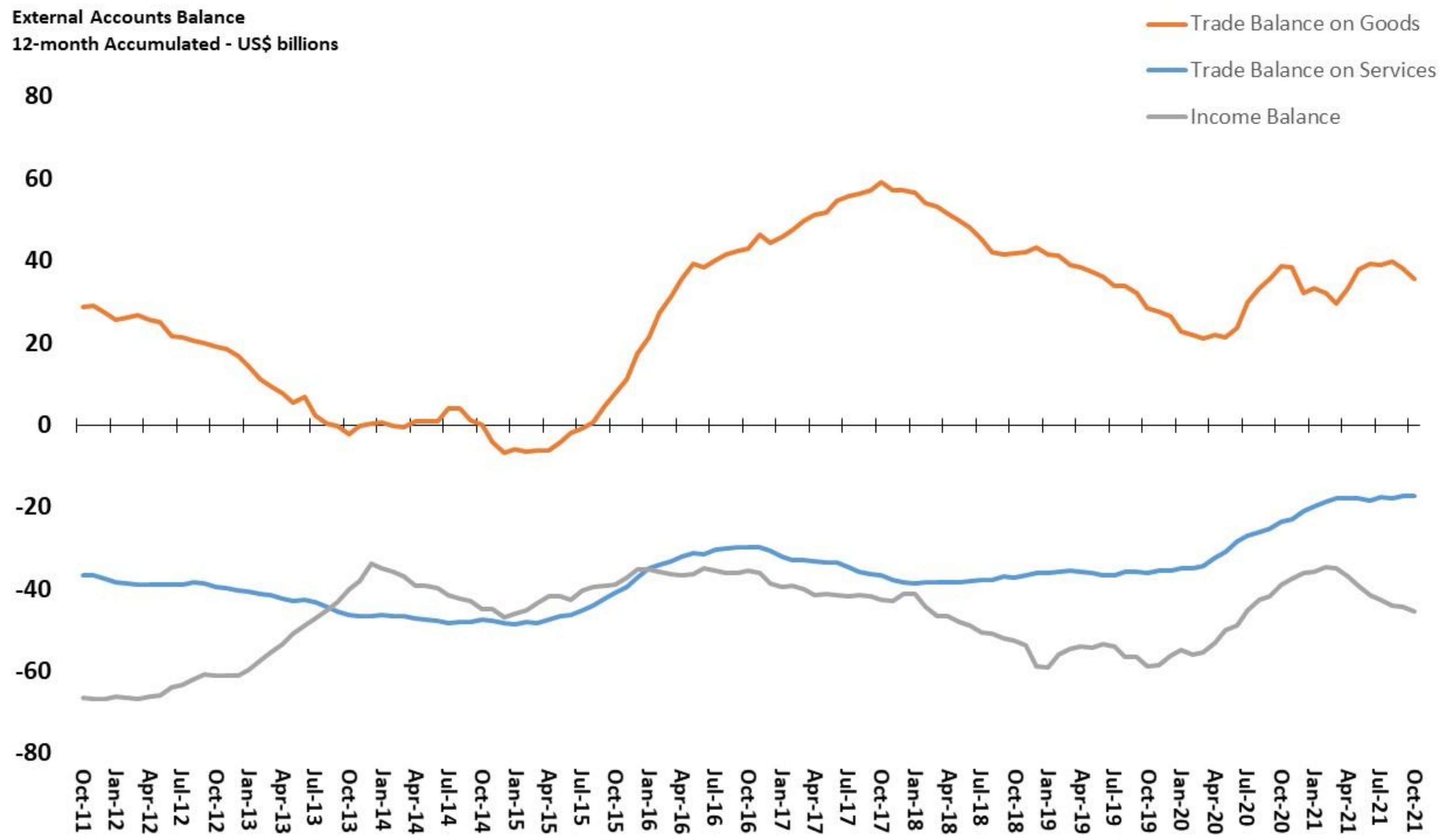
Source: Central Bank of Brazil.

Current Account Deficit Financing



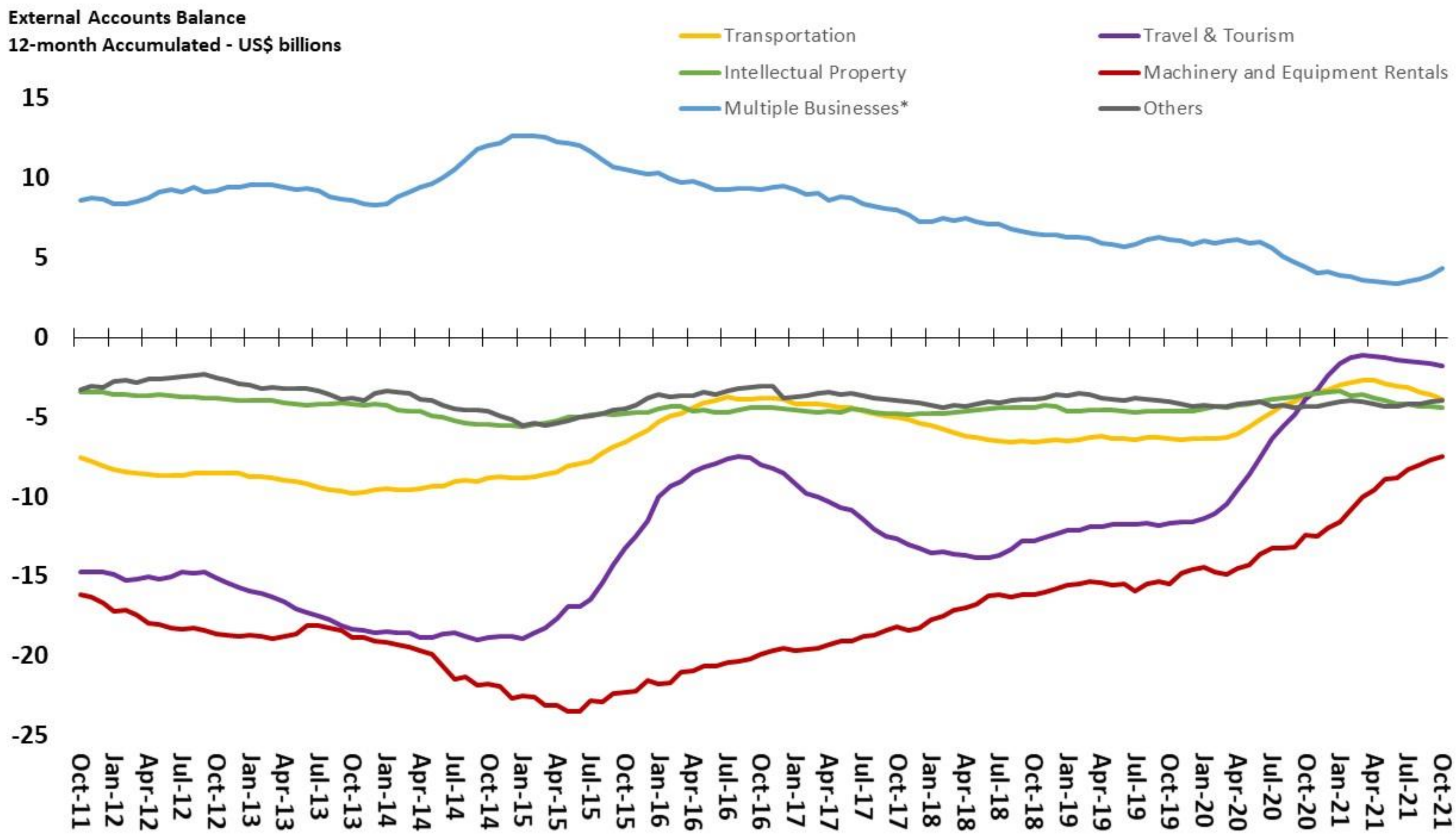
Source: Central Bank of Brazil. *May/2021.

Current Account Balance Components



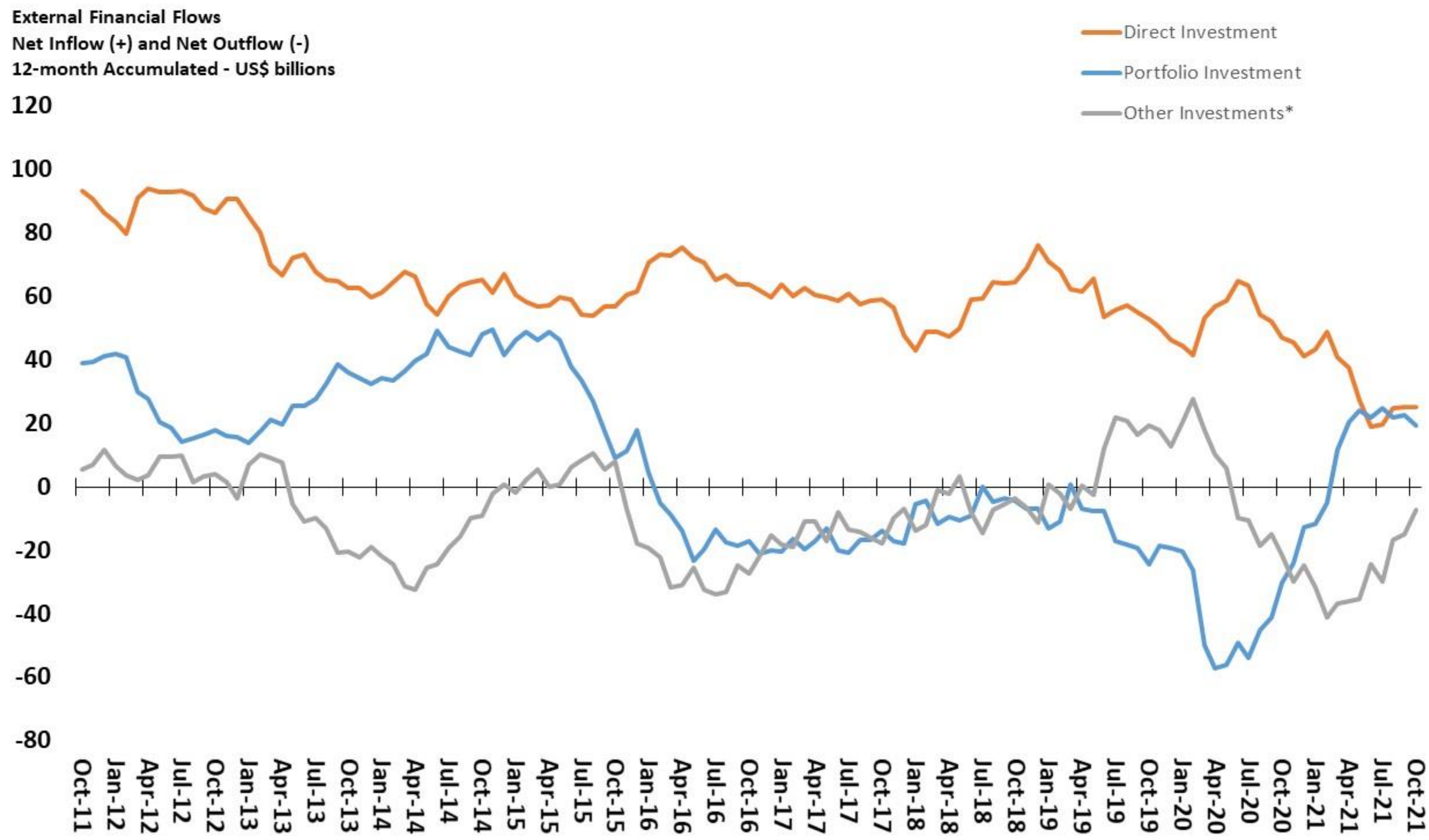
Source: Central Bank of Brazil.

Service Account Balance and Components



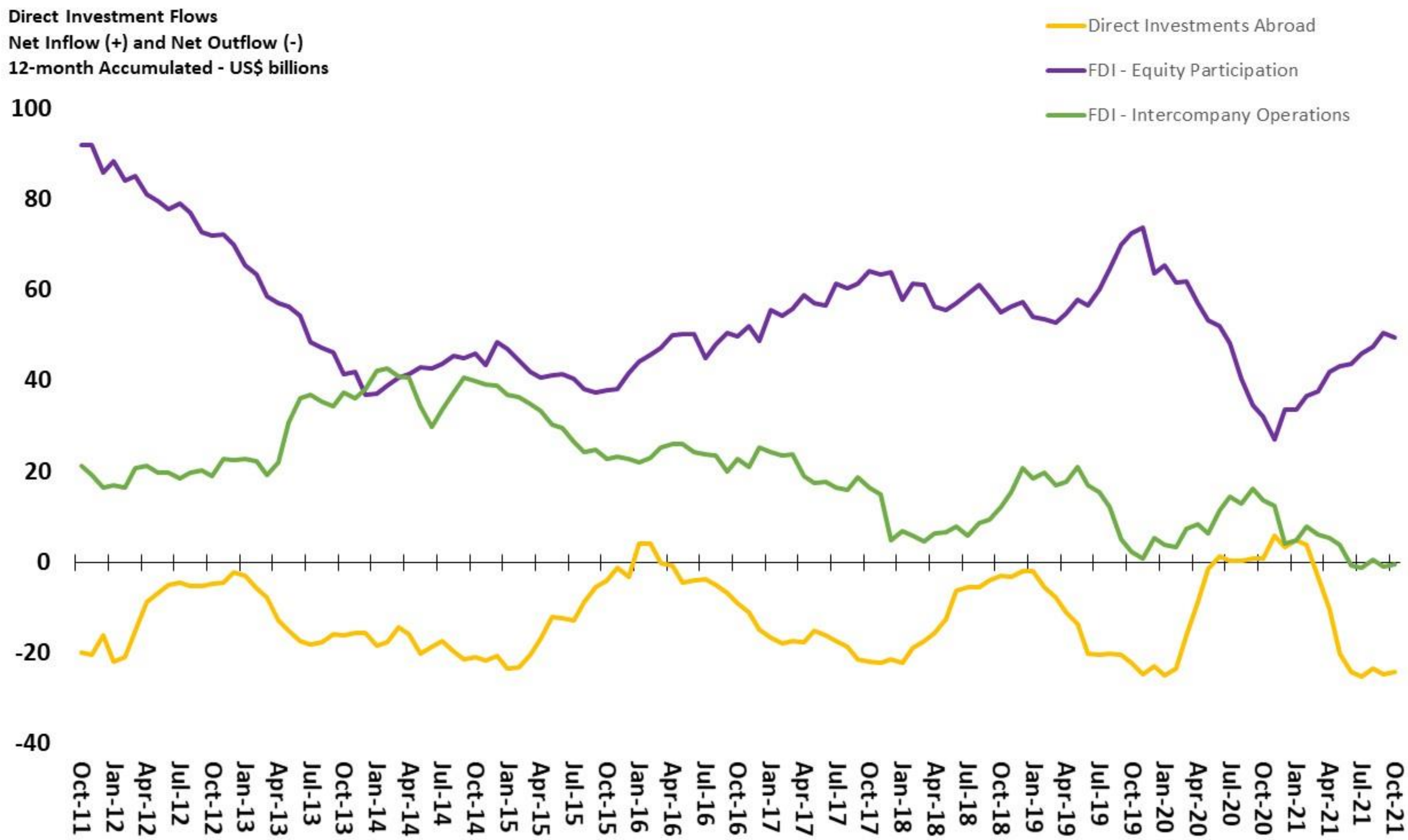
Source: Central Bank of Brazil. *Includes services of P&D, legal services, marketing, architecture & engineering, environmental services, among others.

Financial Account Balance and Components



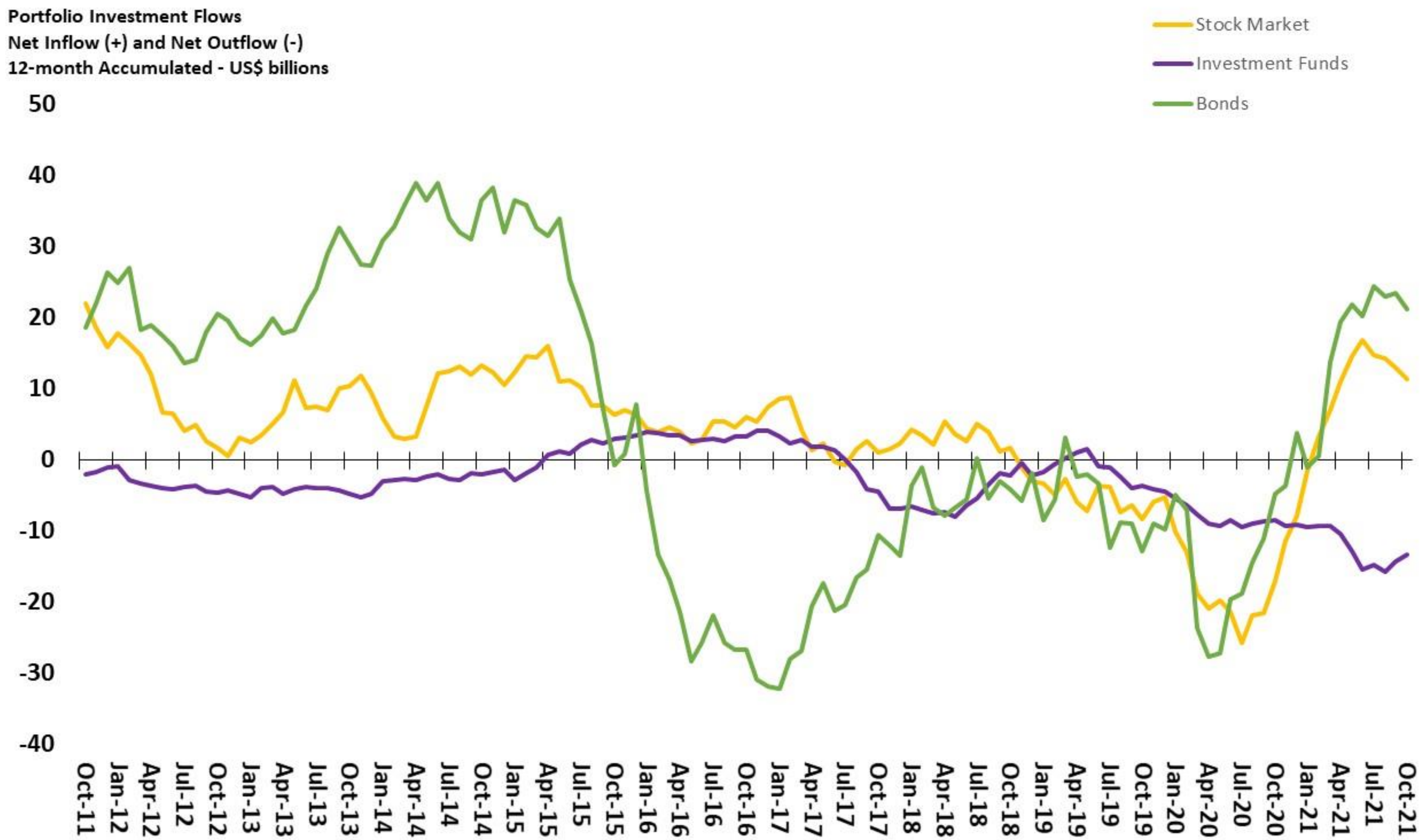
Source: Central Bank of Brazil. *Commercial Credit and Loans.

Direct Investments and Components



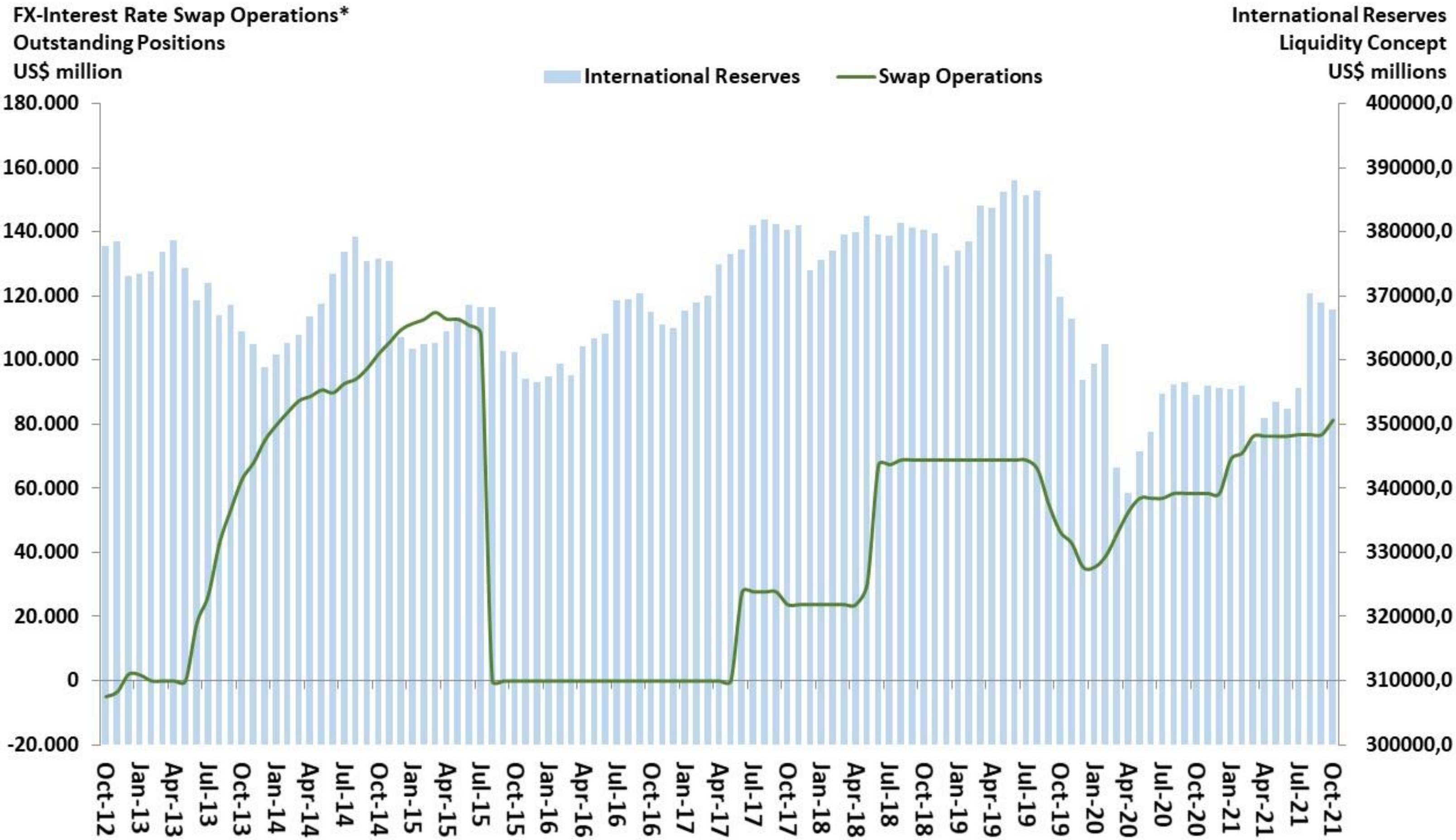
Source: Central Bank of Brazil.

Portfolio Investments and Components



Source: Central Bank of Brazil.

Brazilian International Reserves



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

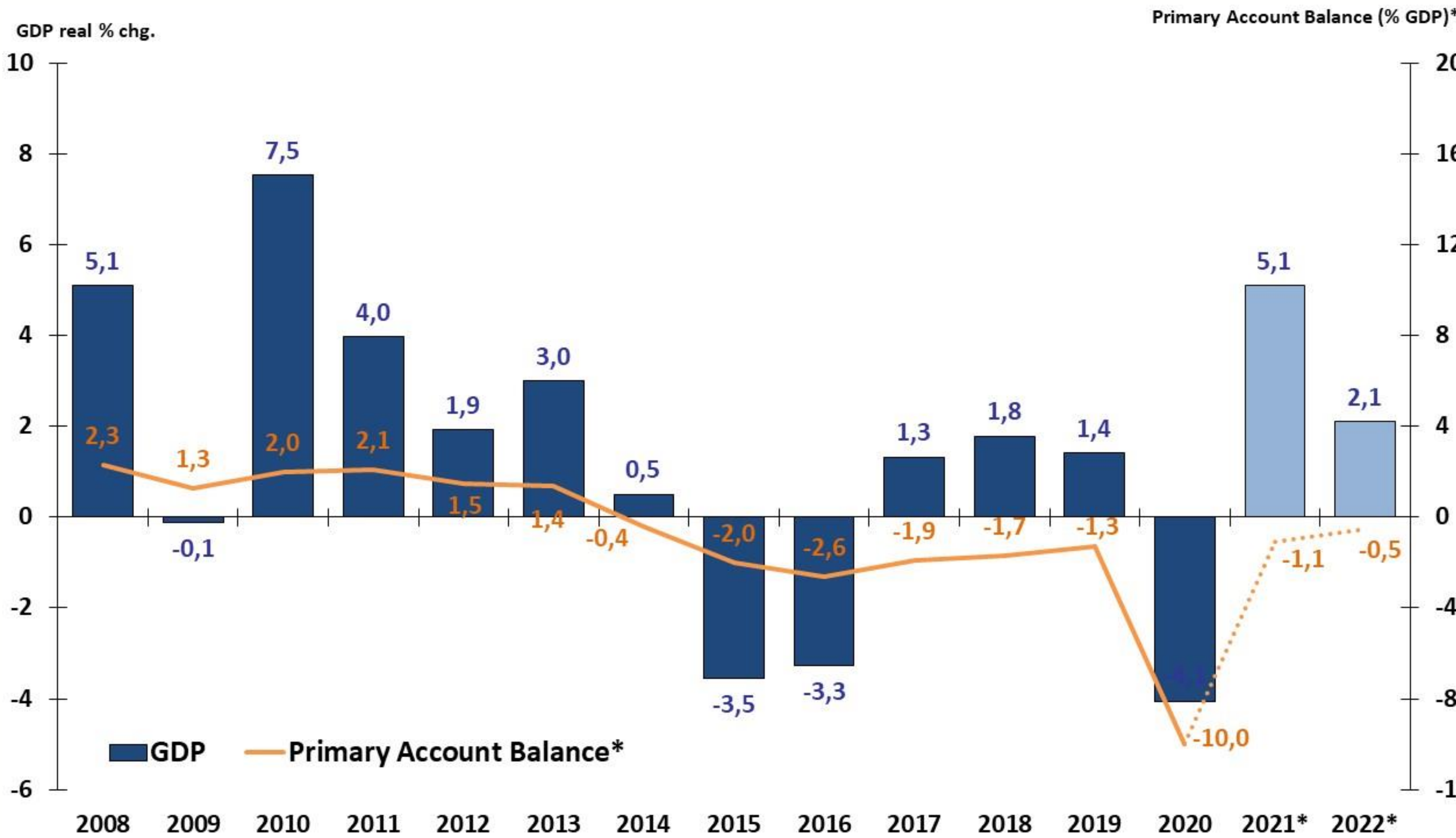
Public Sector Accounts

Public Sector Accounts

										BCB/Focus:	12/10/21	
Federal Government Accounts October-21	**12-month Acummulated Figures (in R$ millions)**						**chg. %**					
Federal Budget (National Treasury/Ministry of Finance)	**2016**	**2017**	**2018**	**2019**	**2020**	**Oct/21 accum. in 12-months**	**2020 / 2019**	**Dec/17 accum. 12-m / 2016**	**YTD 2018 / YTD 2017**	**2021**	**2022**	**2023**
Total Primary Revenue (a)	**1,314,953**	**1,383,082**	**1,488,259**	**1,635,111**	**1,467,759**	**1,854,248**	**-10.2%**	**26.3%**	**21.4%**			
National Treasury	956,816	1,008,297	1,097,077	1,221,780	1,062,986	1,194,302	-13.0%	12.4%	23.5%			
Social Security General System	358,137	374,785	391,182	413,331	404,773	358,703	-2.1%	-11.4%	14.7%			
States and Municipalities Mandatory Transfers (b)	**226,835**	**228,335**	**256,724**	**288,331**	**263,798**	**278,889**	**-8.5%**	**5.7%**	**24.2%**			
Net Primary Revenue (a-b)	**1,088,118**	**1,154,746**	**1,231,535**	**1,346,780**	**1,203,961**	**1,274,116**	**-10.6%**	**5.8%**	**22.1%**			
Total Primary Expenditure	**1,249,393**	**1,279,008**	**1,351,757**	**1,441,845**	**1,947,216**	**1,327,520**	**35.1%**	**-31.8%**	**-18.6%**			
National Treasury	741,522	721,773	765,378	815,335	1,283,311	727,397	57.4%	-43.3%	-30.3%			
Social Security General System	507,871	557,235	586,379	626,510	663,904	600,122	6.0%	-9.6%	4.1%			
Federal Government Accounts October-21	**12-month Acummulated Figures (in R$ millions)**						**% of GDP**					
Federal Budget (National Treasury/Ministry of Finance)	**2016**	**2017**	**2018**	**2019**	**2020**	**Oct/21 accum. in 12-months**	**2019**	**2020**	**Oct/21 accum. in 12-months**			
Primary Account Balance of Federal Government (STN/MF)	**-161,276**	**-124,261**	**-120,221**	**-95,065**	**-743,255**	**-53,404**	**-1.3%**	**-10.0%**	**-0.6%**			
National Treasury	-11,542	58,189	74,976	118,114	-484,123	188,016	1.6%	-6.5%	2.2%			
Social Security General System	-149,734	-182,450	-195,197	-213,179	-259,132	-241,419	-2.9%	-3.5%	-2.9%			
Consolidate Public Sector Accounts October-21	**12-month Acummulated Figures (in R$ millions)**						**% of GDP**					
Public Sector Financial Need (Central Bank of Brazil - BCB)	**2016**	**2017**	**2018**	**2019**	**2020**	**Oct/21 accum. in 12-months**	**2019**	**2020**	**Oct/21 accum. in 12-months**	**2021**	**2022**	**2023**
Primary Account Balance Target in Law - LDO 2022 (% GDP)											**-2.00%**	**-1.57%**
Primary Account Balance (Deficit)	**155,791**	**110,583**	**108,258**	**61,872**	**702,950**	**-49,570**	**0.8%**	**9.4%**	**-0.6%**	**-0.6%**	**-1.2%**	**-0.7%**
Federal Government	159,473	118,442	116,167	88,899	-16,312	53,339	1.2%	10.0%	0.6%			
States and Municipalities	-4,666	-7,498	-3,492	-15,196	-38,748	-98,749	-0.2%	-0.5%	-1.2%			
State Owned Companies (except Petrobrás and Eletrobrás)	983	-362	-4,417	-11,831	-3,567	-4,160	-0.2%	0.0%	0.0%			
Net Financial Public Expenditure (Debt Interest Payments)	407,024	400,826	379,184	367,282	312,427	352,377	5.0%	4.2%	4.2%			
Nominal Account Balance (Deficit)	**562,815**	**511,408**	**487,442**	**429,154**	**1,015,377**	**302,807**	**5.8%**	**13.6%**	**3.6%**	**-5.7%**	**-7.1%**	**-6.5%**
General Public Sector Debt (BCB) October-21	**Debt Outstanding (in R$ millions)**						**chg. %**					
End of Period Debt Outstanding (in R$ millions)	**Dec-16**	**Dec-17**	**Dec-18**	**Dec-19**	**Dec-20**	**Oct-21**	**Dec/19 - Dec/18**	**Dec/20 - Dec/19**	**Oct/21 - Dec/20**	**2021**	**2022**	**2023**
Consolidated Public Sector	**2,892,913**	**3,382,942**	**3,695,837**	**4,041,769**	**4,670,004**	**4,865,837**	**9.36%**	**15.54%**	**4.19%**			
Federal Government	2,090,133	2,534,119	2,763,702	3,078,019	3,651,460	3,938,553	11.4%	18.6%	7.9%			
States and Municipalities	747,503	789,403	871,134	907,931	954,485	872,581	4.2%	5.1%	-8.6%			
State Owned Companies (except Petrobrás and Eletrobrás)	55,278	59,420	61,001	55,819	64,060	54,704	-8.5%	14.8%	-14.6%			
Net Domestic Debt	3,453,814	1,022,659	4,444,587	4,750,944	5,654,808	5,874,071	6.9%	19.0%	3.9%			
Net External Debt	-560,900	-618,135	-748,749	-709,175	-984,804	-1,008,234	-5.3%	38.9%	2.4%			
General Public Sector Net Debt (% GDP)	**46.1%**	**51.4%**	**52.8%**	**54.6%**	**62.7%**	**57.6%**	**1.8 pp**	**8.1 pp**	**-5.2 pp**	**59.0%**	**63.0%**	**66.3%**
General Public Sector Gross Debt (% GDP)	**69.8%**	**73.7%**	**75.3%**	**74.3%**	**88.8%**	**82.9%**	**-1.0 pp**	**14.6 pp**	**-5.9 pp**	**81.4%**	**84.2%**	**86.2%**
General Public Sector Gross Debt (in R$ millions)	**4,853,850**	**5,449,151**	**5,937,904**	**6,437,299**	**7,305,734**	**7,745,154**	**8.41%**	**13.49%**	**6.01%**			

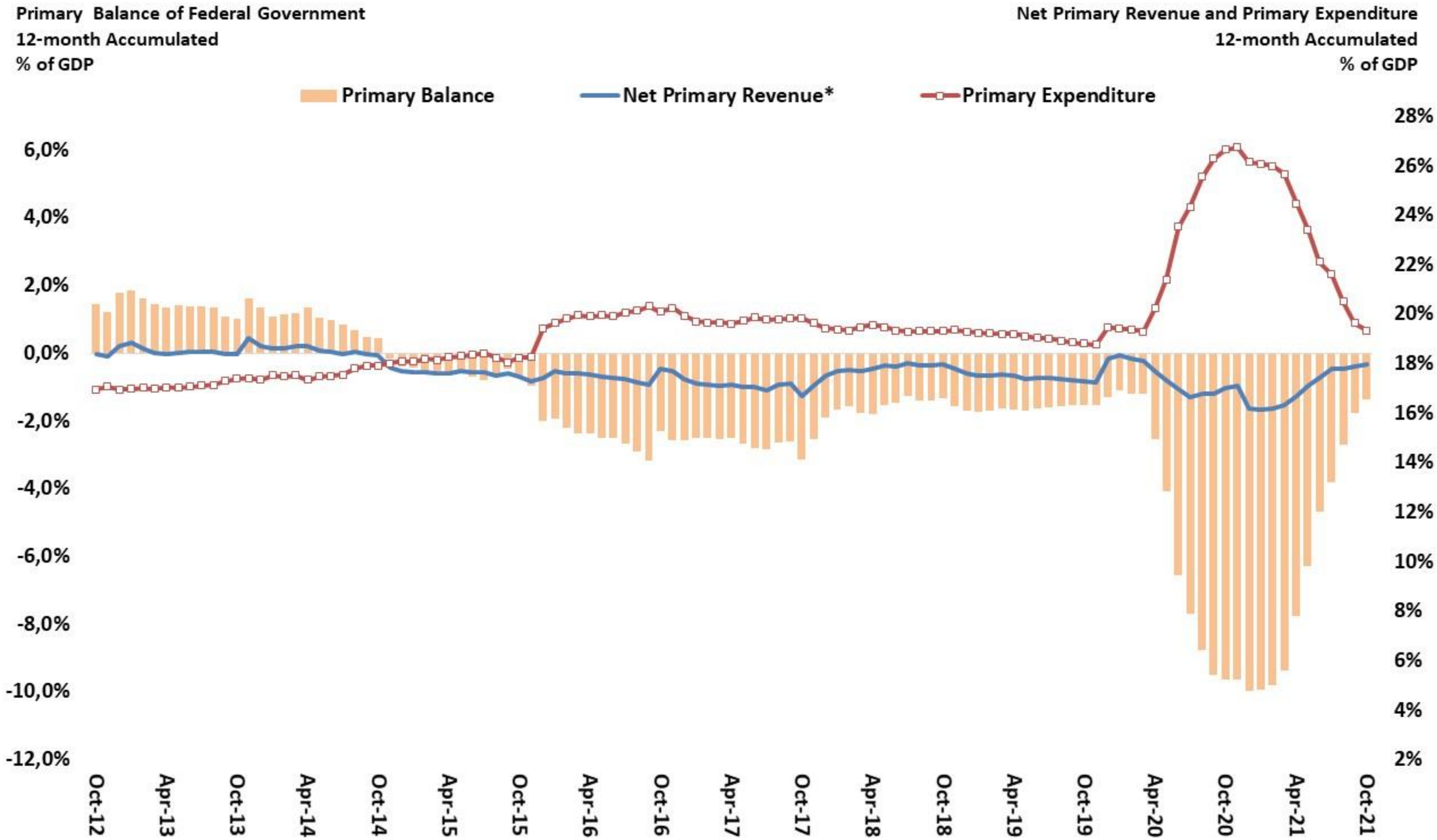
SPE Secretariat for Economic Policy | Ministry of Economy

Fiscal Adjustment and Economic Recovery



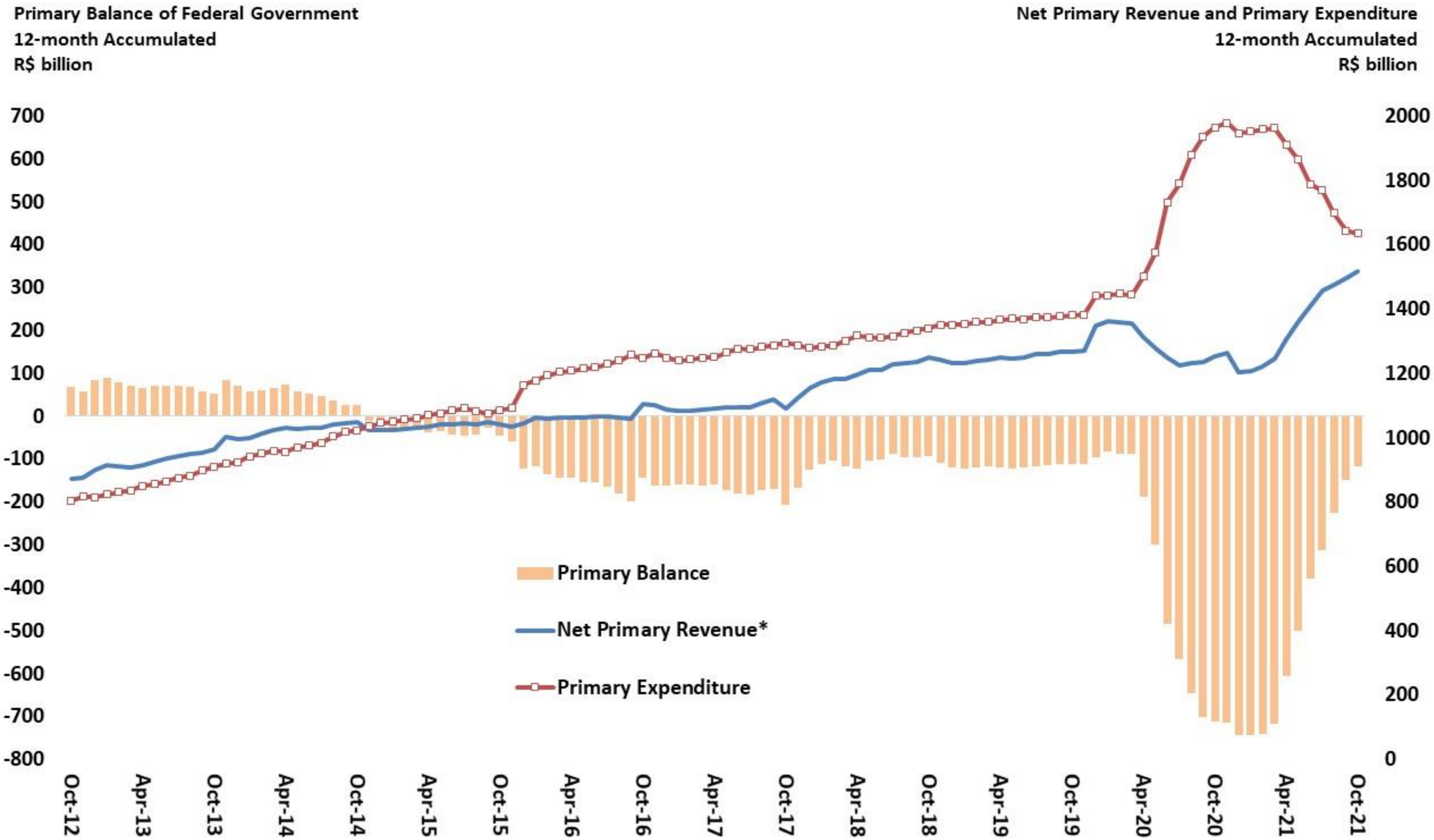
Source: IBGE, STN and Central Bank of Brazil. Primary Accout Balance of Federal Government.
* Annex IV-Fiscal Targets of 2021 Budgetary Guidelines Law 2021 and 2022; and Macroeconomic Projections from SPE, November/2021.

Primary Balance of Federal Government (as % GDP)



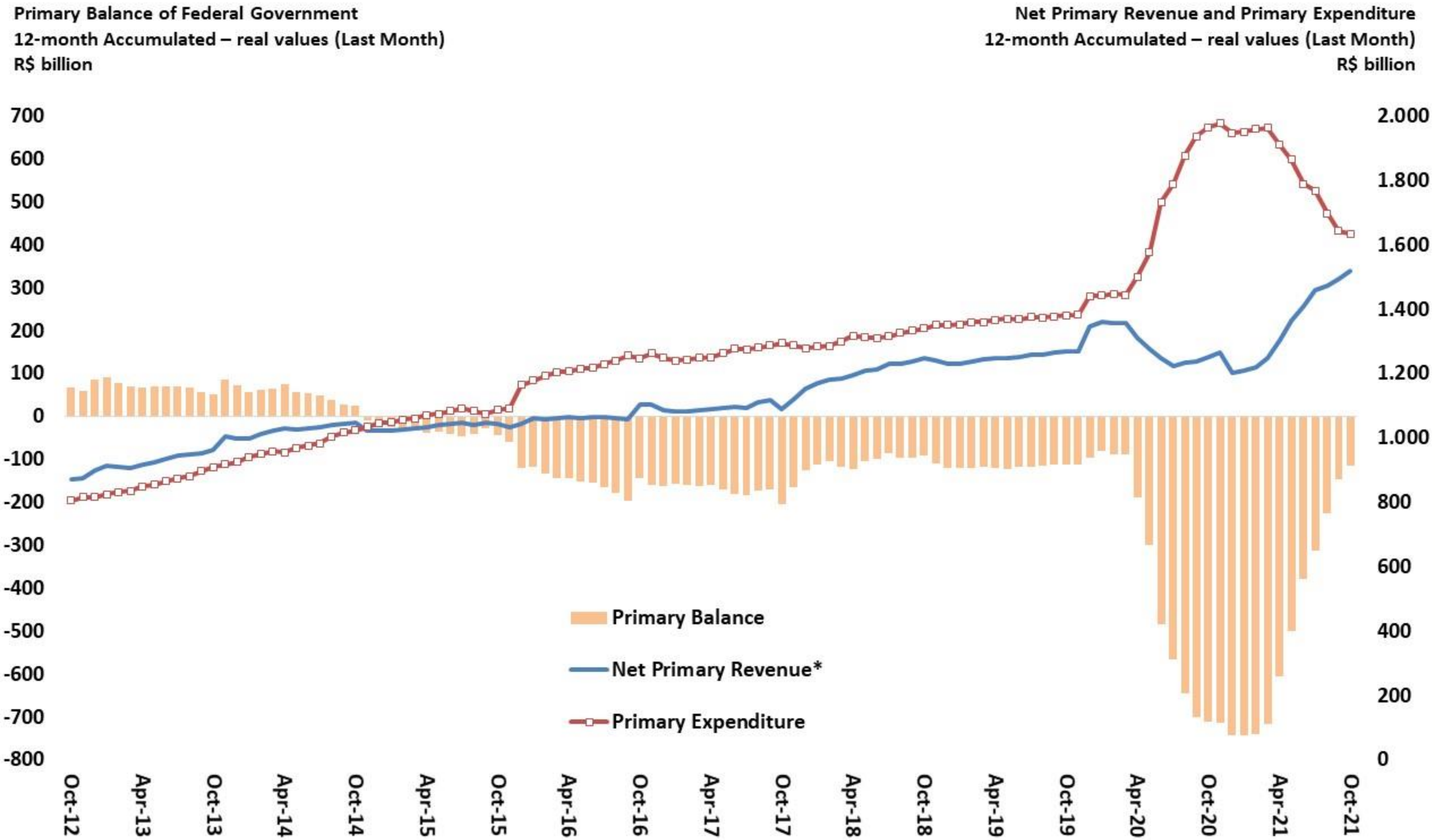
Sources: STN/ME. *Excludes compulsory transfers to subnational entities.

Primary Balance of Federal Government (nominal values)



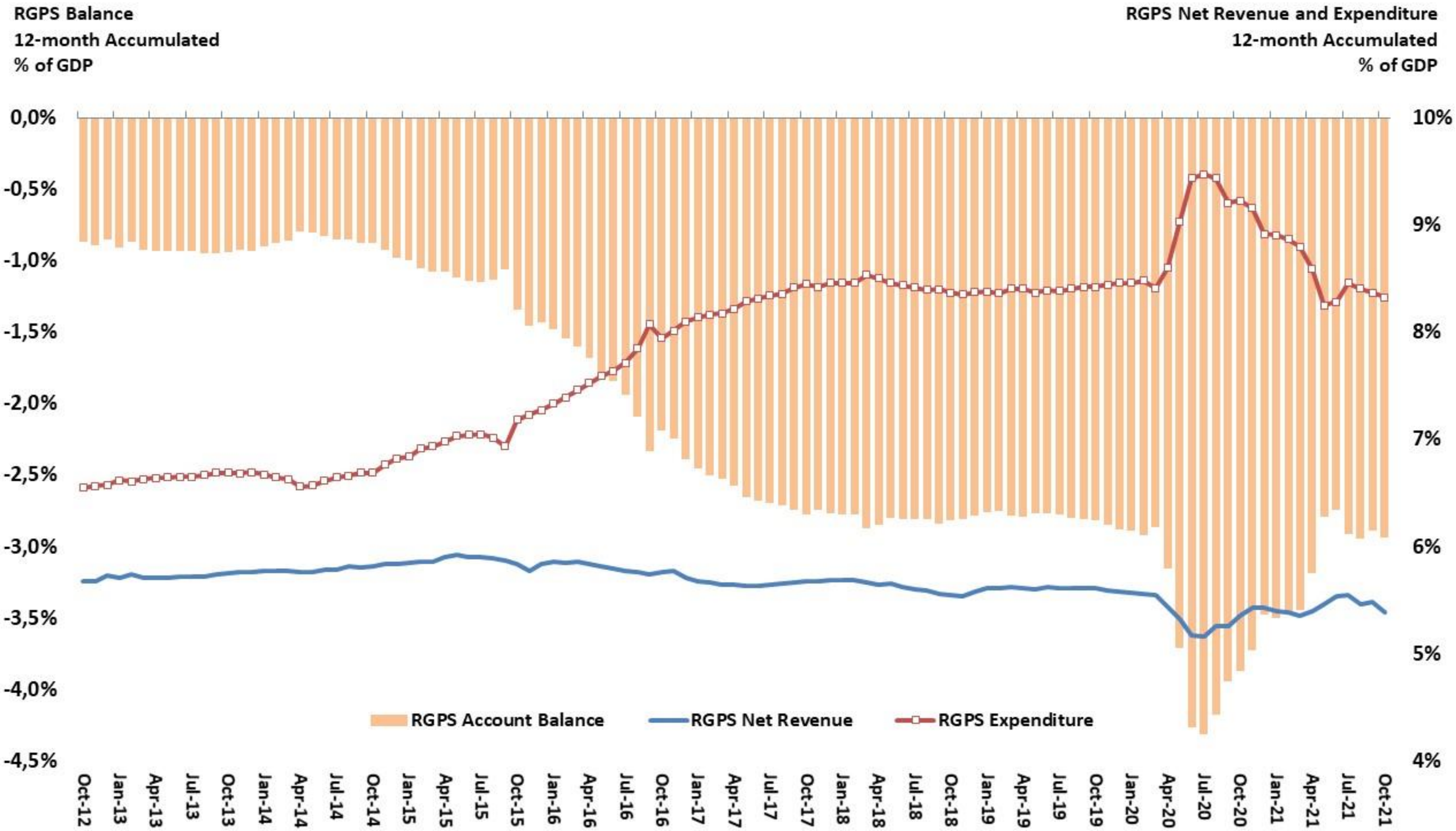
Source: STN/ME. *Excludes compulsory transfers to subnational entities.

Primary Balance of Federal Government (real values)



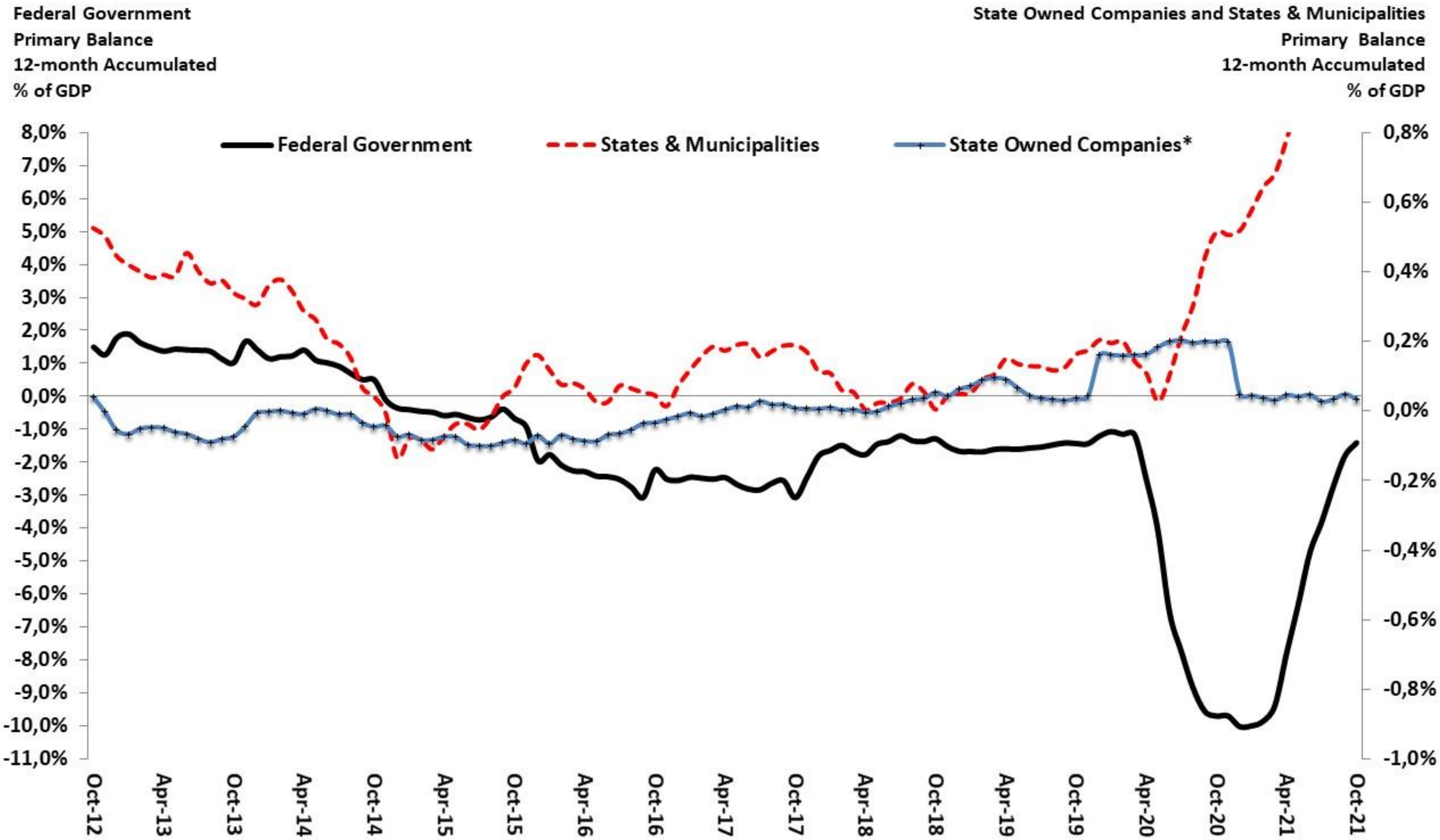
Source: STN/ME. *Excludes compulsory transfers to subnational entities.

General Social Security System (RGPS) Balance



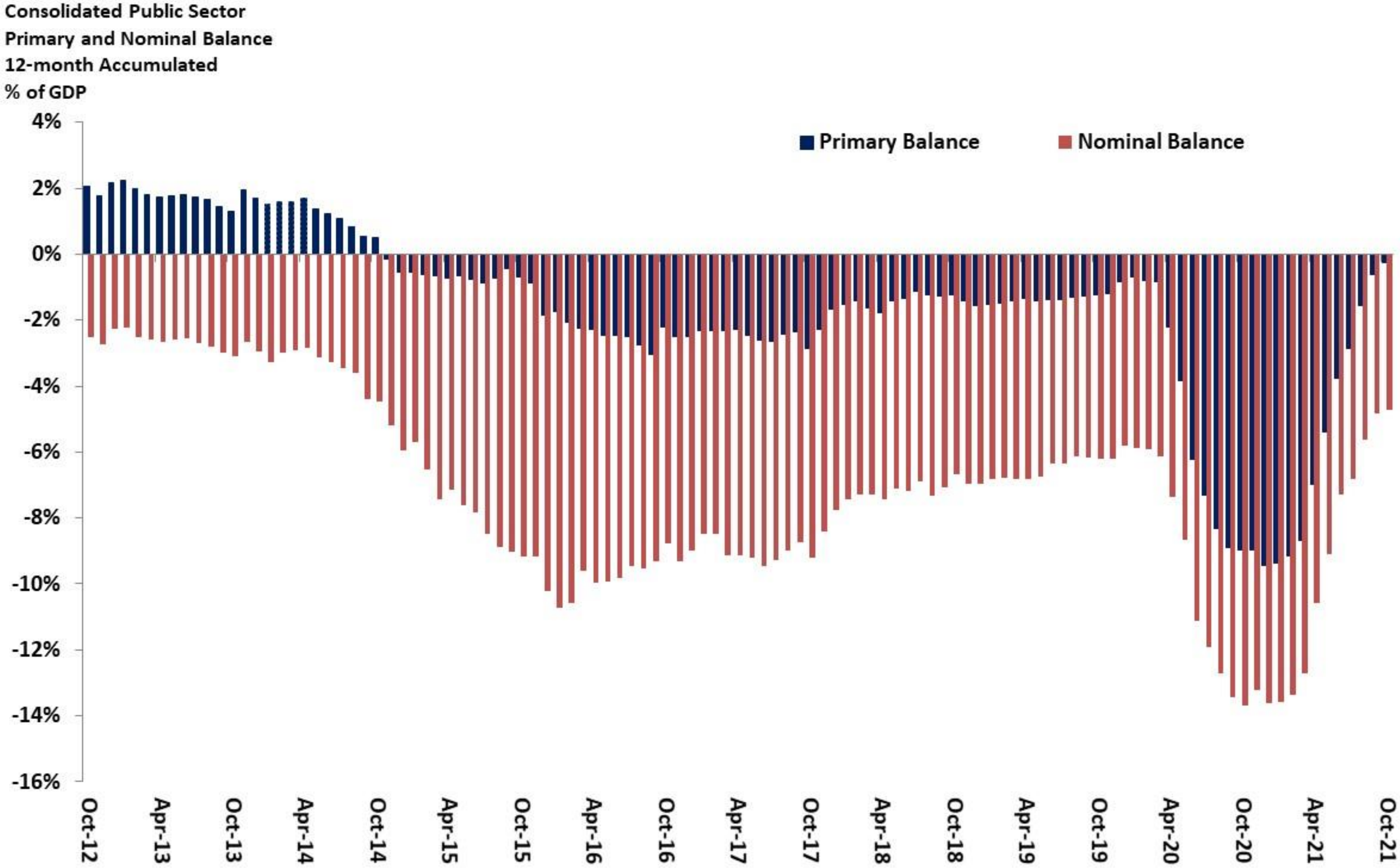
Sources: Central Bank of Brazil and STN/ME.

Public Sector Primary Balance (as % GDP)



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

Public Sector Primary and Nominal Balance

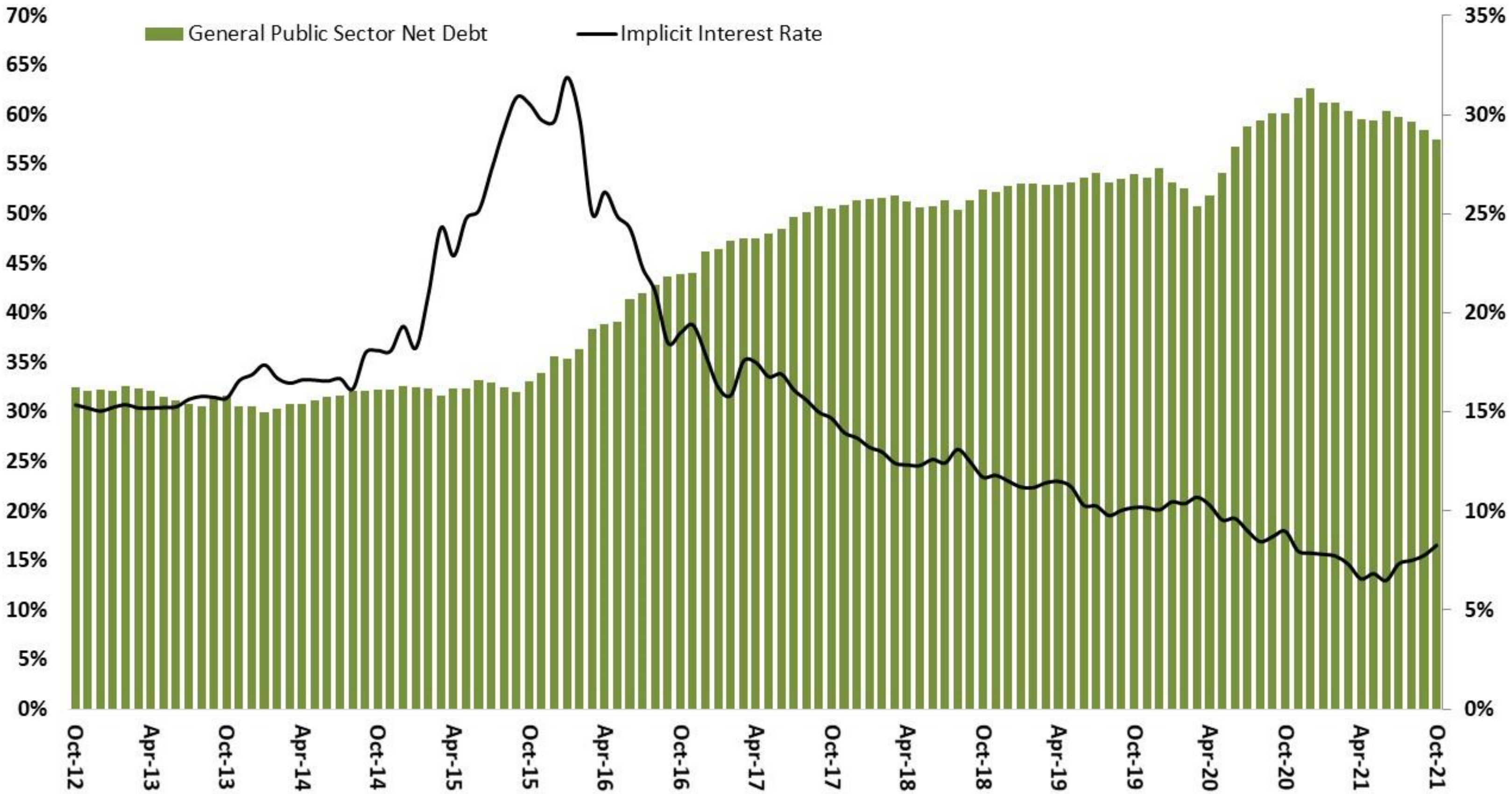


Source: Central Bank of Brazil.

Public Sector Net Debt (as % GDP)

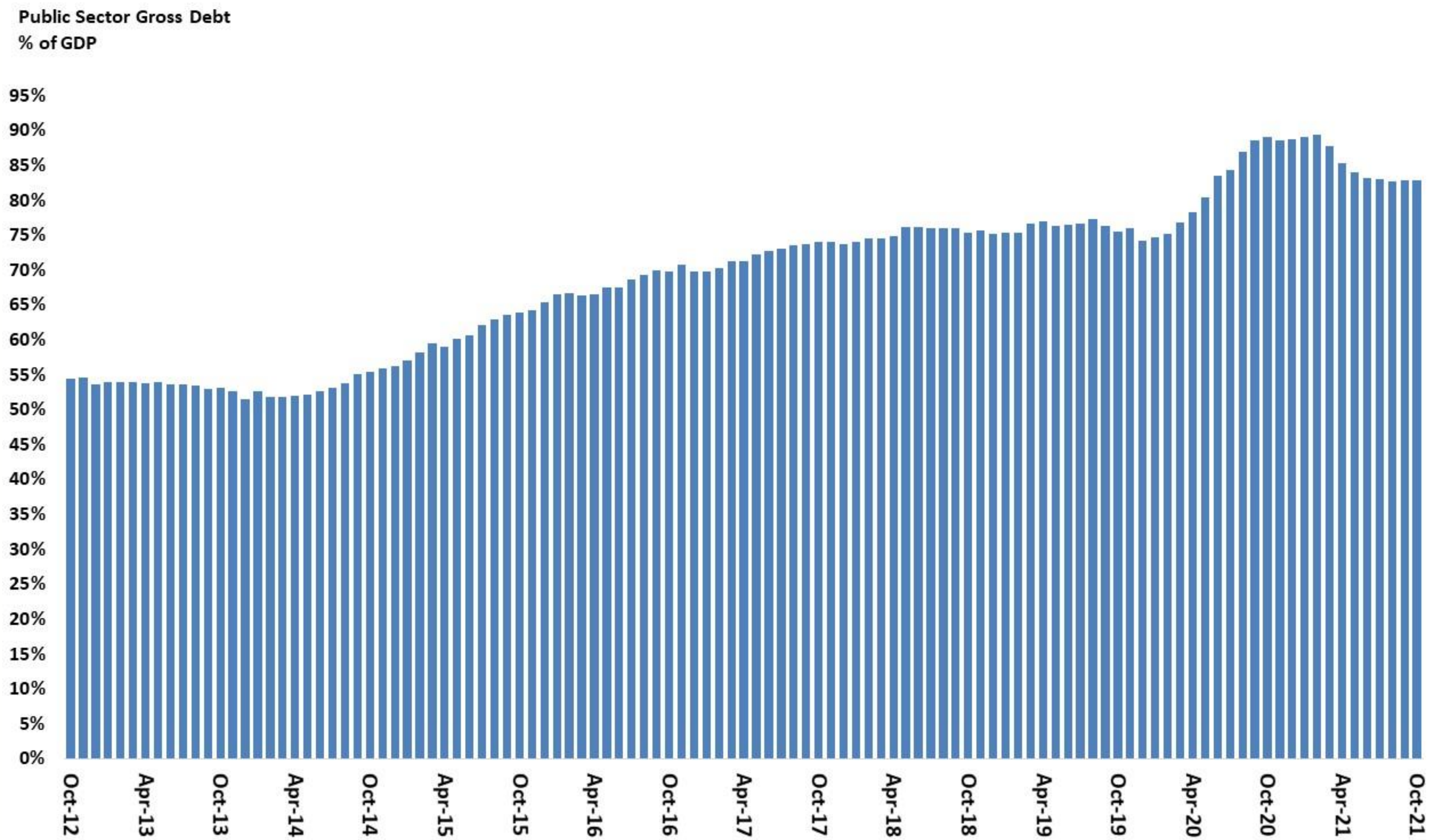
General Public Sector Net Debt (DLSP)
% of GDP

Implicit Interest Rate on DLSP
12-month (%)



Source: Central Bank of Brazil.

Public Sector Gross Debt (as % GDP)



Source: Central Bank of Brazil.

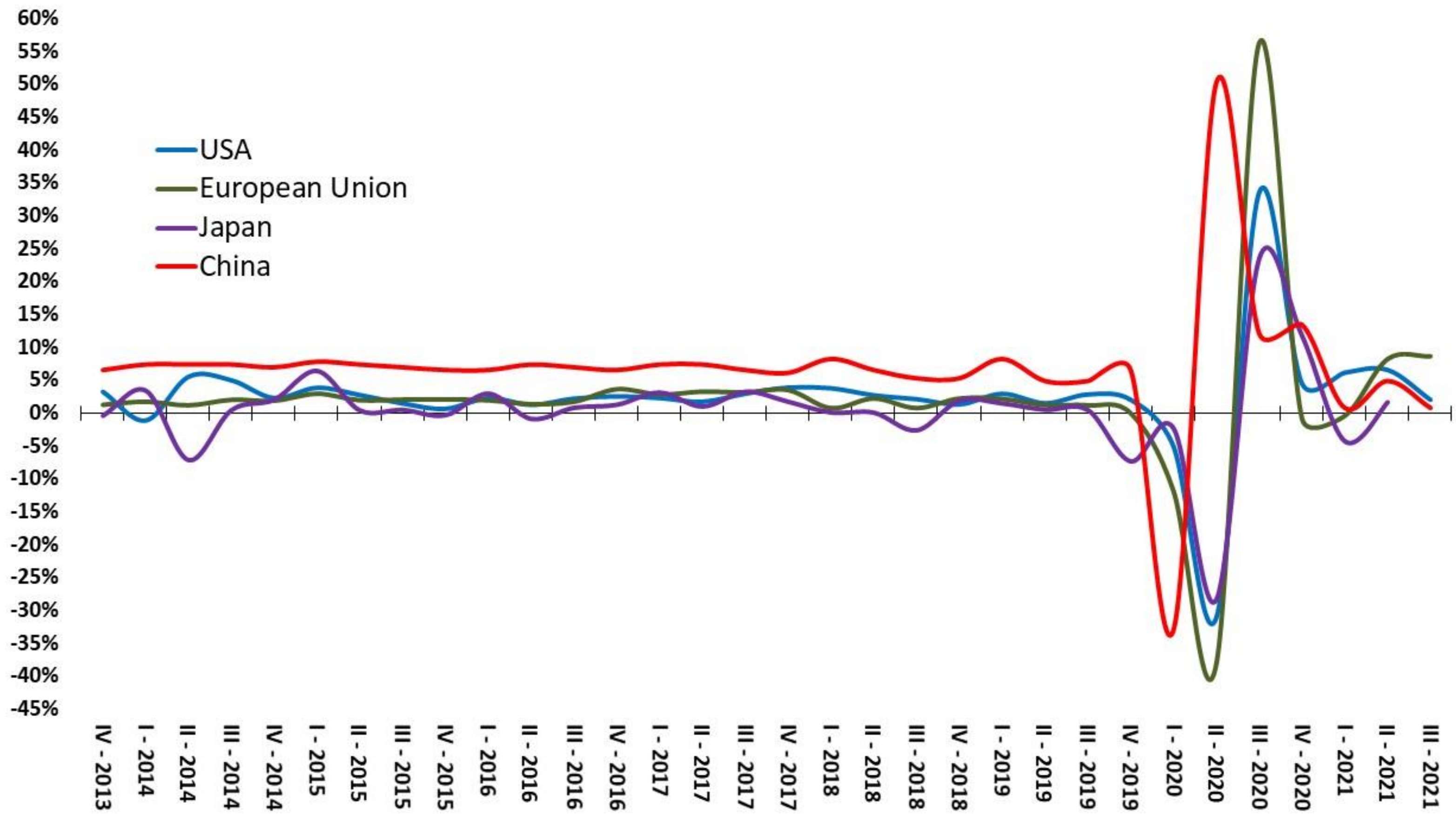
World Economy

World Economy

											IMF - WEO, October 2021.	
World Q4 2020 *data from IMF and WTO*	**2016**	**2017**	**2018**	**2019**	**2020**	**Q4-2016 / Q4-2015**	**Q4-2017 / Q4-2016**	**Q4-2018 / Q4-2017**	**Q4-2019 / Q4-2018**	**Q4-2020 / Q4-2019**	**2021**	**2022**
World Output - GDP	**3.3%**	**3.8%**	**3.6%**	**2.8%**	**-3.3%**	**3.2%**	**2.8%**	**3.6%**	**2.7%**	**-1.4%**	**5.9%**	**4.9%**
Advanced Economies	1.8%	2.5%	2.3%	1.6%	-4.7%	2.0%	2.3%	2.0%	1.5%	-3.9%	5.2%	4.5%
Emerging Market and Developing Economies	4.5%	4.8%	4.5%	3.6%	-2.2%	4.4%	4.8%	4.6%	3.7%	0.9%	6.4%	5.1%
Latin America and the Caribbean	-0.6%	1.3%	1.1%	0.2%	-7.0%	-1.1%	1.3%	1.1%	0.0%	-4.8%	6.3%	3.0%
World Trade of Goods and Services	**2.3%**	**5.6%**	**3.9%**	**0.9%**	**-8.2%**						**9.7%**	**6.7%**
National Accounts Q2 2021 *data from IMF, OECD, Eurostat, NBSC and METI*	**2016**	**2017**	**2018**	**2019**	**2020**	**Q1-2021 / Q1-2020**	**Q2-2021 / Q2-2020**	**Q4-2020 accum. in 4-quarters**	**Q1-2021 accum. in 4-quarters**	**Q2-2021 accum. in 4-quarters**	**2021**	**2022**
USA - GDP	**1.7%**	**2.3%**	**3.0%**	**2.2%**	**-3.4%**	**12.2%**	**4.9%**	**-3.5%**	**1.9%**	**3.8%**	**6.0%**	**5.2%**
Household Expenditure	2.7%	2.6%	2.7%	2.4%	-3.8%	16.2%	7.0%	-3.3%	3.3%	5.7%		
Government Expenditure	1.4%	0.7%	1.8%	2.3%	2.5%	-0.1%	0.6%	2.0%	1.1%	0.8%		
Gross Fixed Capital Formation	-1.3%	4.4%	6.3%	1.7%	-2.7%	15.0%	8.0%	-2.0%	4.0%	6.9%		
Exports of Goods and Services	-0.1%	3.5%	3.0%	-0.1%	-13.6%	18.6%	5.5%	-14.2%	-3.6%	1.5%		
Imports of Goods and Services (-)	1.9%	4.7%	4.1%	1.1%	-8.9%	30.6%	12.9%	-6.0%	7.2%	12.5%		
Industrial Production	-1.9%	2.4%	4.3%	1.0%	-7.2%	14.7%	1.2%	-6.9%	0.0%	0.6%		
Unemployment (% of Labor Force)	4.9%	4.4%	3.9%	3.7%	7.5%	-5.2 pp	-3.0 pp	7.9%	6.6%	4.8%		
Consumer Price Index	1.3%	2.1%	2.4%	1.8%	1.2%	5.4%	2.5%	1.2%	2.4%	2.3%	**3.6%**	**2.8%**
European Union - GDP	**2.1%**	**3.0%**	**2.3%**	**1.9%**	**-5.9%**	**13.7%**	**3.9%**	**-5.8%**	**1.1%**	**3.1%**	**5.1%**	**4.4%**
Household Expenditure	2.2%	1.8%	1.5%									
Government Expenditure	1.7%	1.1%	1.1%									
Gross Fixed Capital Formation	3.1%	3.1%	3.3%									
Exports of Goods and Services	3.2%	5.3%	3.0%									
Imports of Goods and Services (-)	4.3%	4.3%	3.3%									
Industrial Production	1.9%	3.5%	1.6%	-3.3%	-8.0%	5.3%	5.2%	-6.5%	21.2%	7.3%		
Unemployment (% of Labor Force)	10.0%	9.1%	8.2%	7.6%	7.2%	-0.4 pp	-0.2 pp	7.5%	7.3%	6.8%		
Consumer Price Index	0.2%	1.6%	1.8%	1.4%	0.7%	2.2%	4.6%	2.1%	2.1%	2.7%	**2.4%**	**1.9%**
Japan - GDP	**0.8%**	**1.7%**	**0.6%**	**0.3%**	**-4.7%**	**7.7%**	**1.3%**	**-4.6%**	**0.0%**	**1.7%**	**2.4%**	**3.2%**
Industrial Production	0.2%	2.8%	1.1%	-2.8%	-9.8%	5.7%	-3.2%	-9.3%	19.8%	-4.0%		
Unemployment (% of Labor Force)	3.1%	2.8%	2.4%	2.4%	2.7%	0.1 pp	-0.1 pp	2.9%	2.9%	2.8%		
Consumer Price Index	-0.1%	0.5%	1.0%	0.5%	0.0%	0.2%	-0.2%	0.4%	0.2%	-0.1%		
China - GDP	**6.9%**	**6.9%**	**6.7%**	**6.0%**	**2.0%**	**7.9%**	**4.9%**	**8.2%**	**9.4%**	**9.4%**	**8.0%**	**5.6%**
Industrial Production	6.0%	6.1%	6.1%	6.2%	2.1%	2.3%	5.3%	16.3%	11.0%	12.0%		
Unemployment (% of Labor Force)	4.0%	3.9%	3.8%	3.6%	5.6%	-0.9 pp	-0.1 pp	5.3%	5.0%	5.1%		
Consumer Price Index	2.0%	1.6%	2.1%	2.9%	2.4%	1.1%	4.3%	1.6%	1.3%	2.0%	**1.1%**	**1.8%**

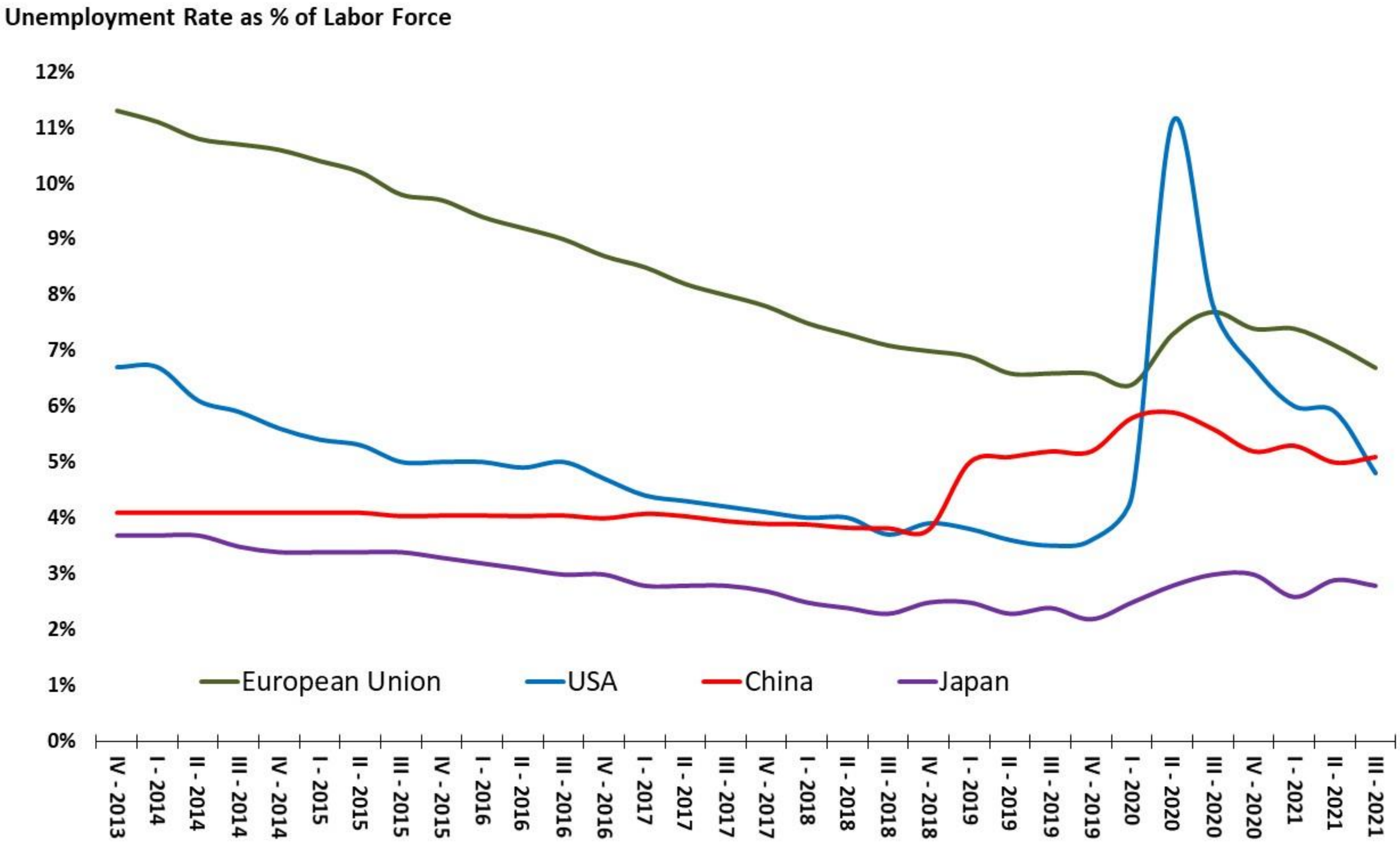
World's Major Economies GDP

GDP - real quarterly % chg. – seasonally adjusted data (annualized)



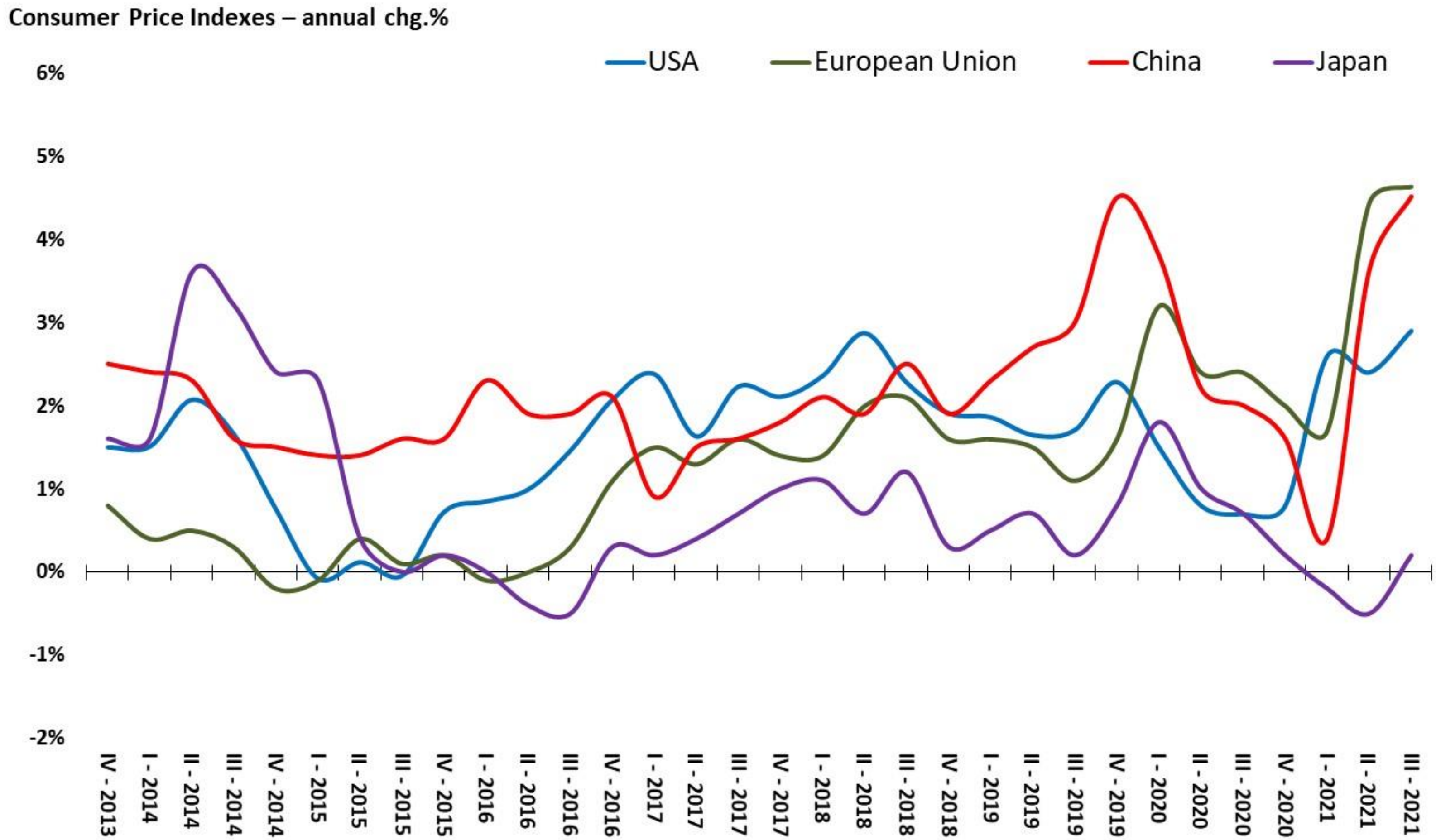
Source: OECD.

World's Major Economies Unemployment Rate



Source: OECD.

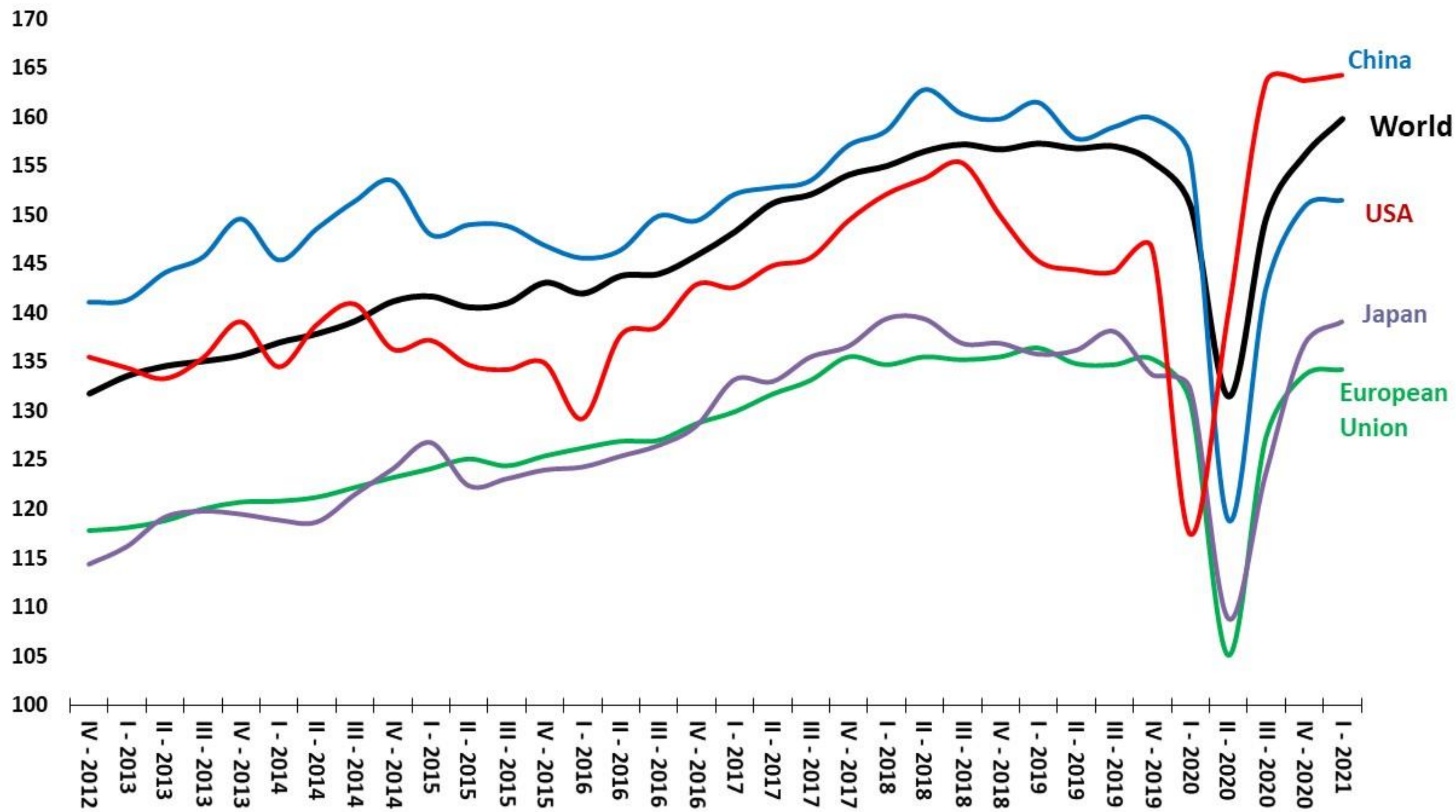
World's Major Economies Consumer Price Index



Source:: OECD.

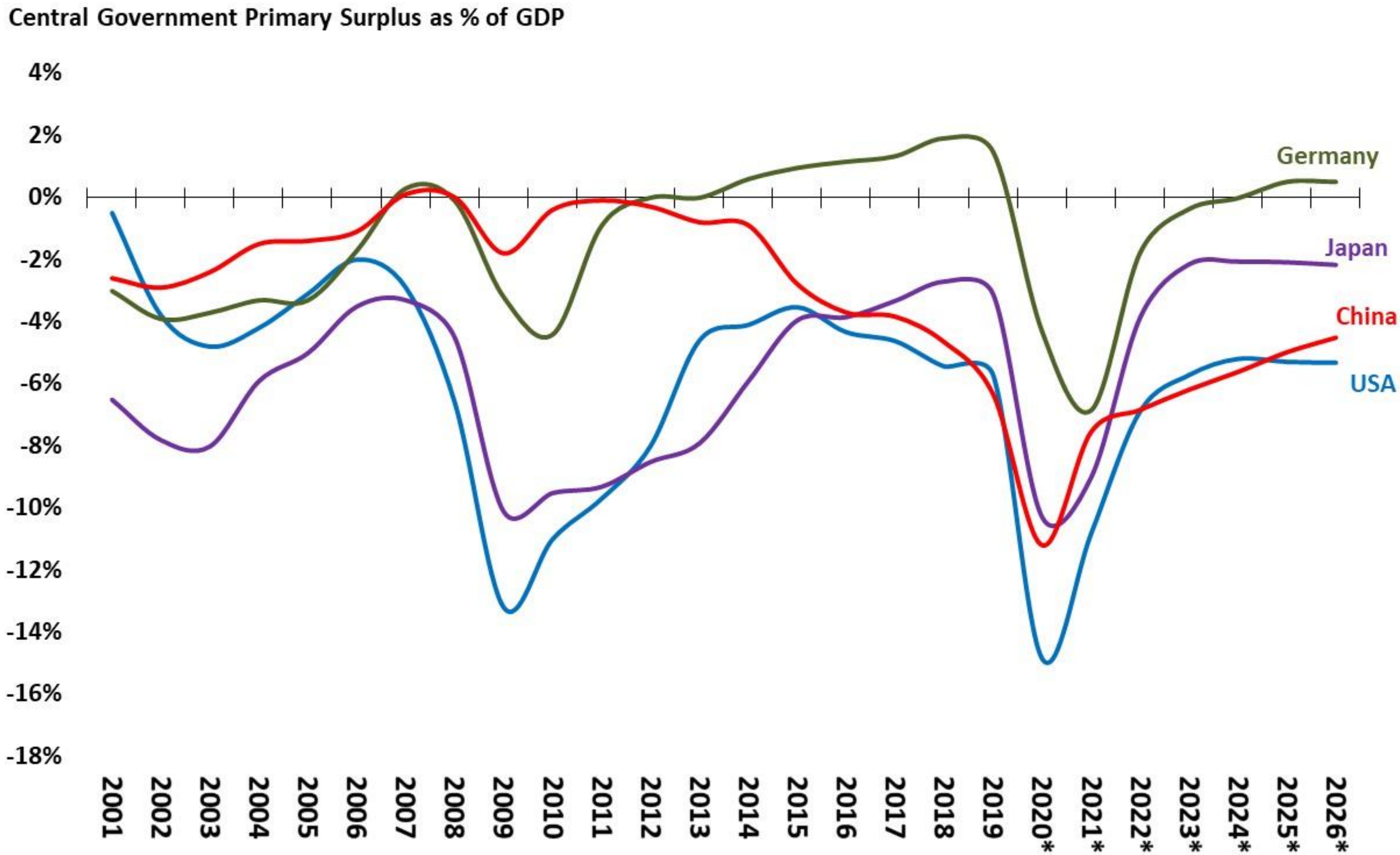
World's Major Economies Total Exports

Total Exports Volume Index – Q3-2012 = 100



Source: WTO.

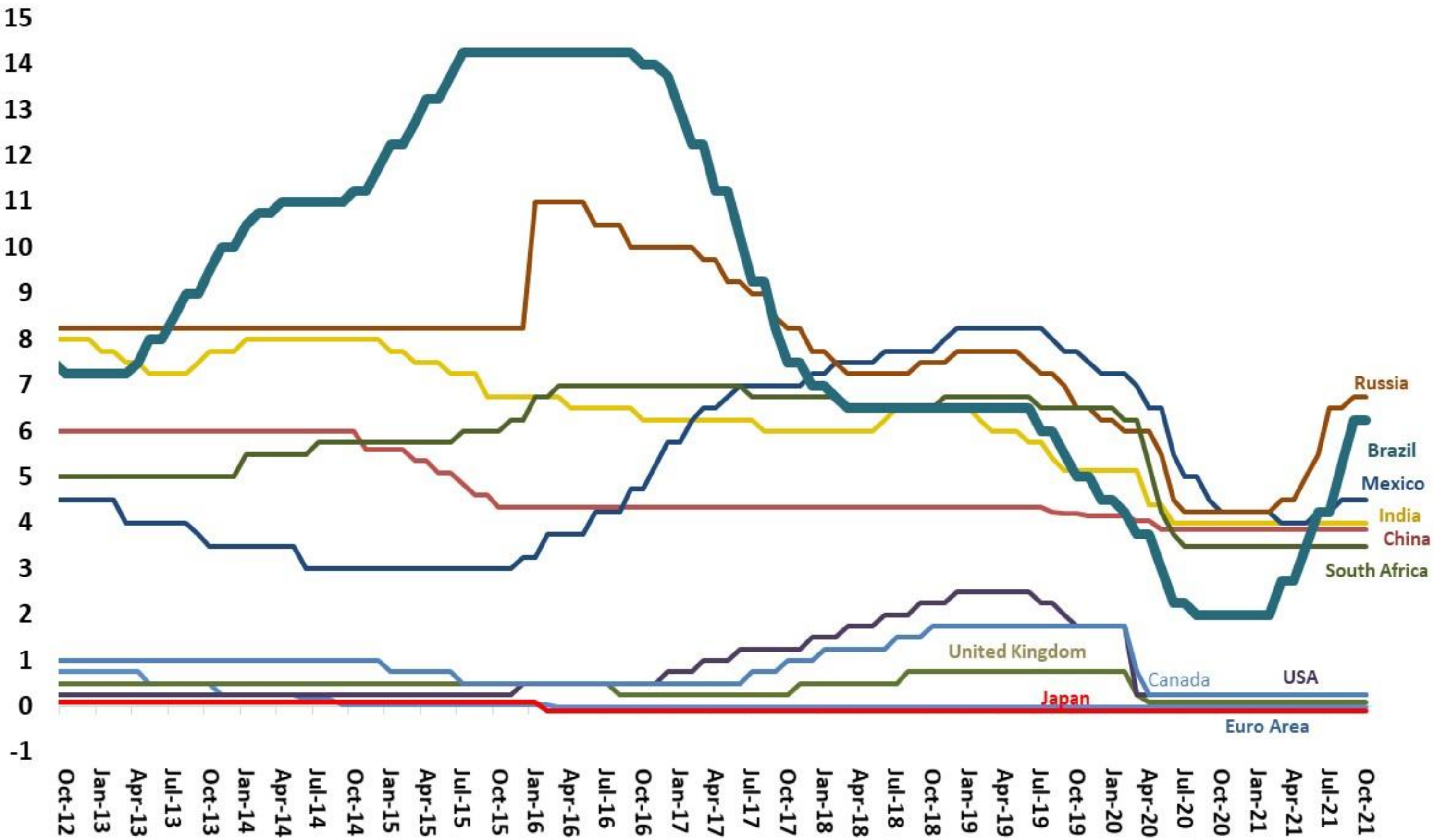
World’s Major Economies Government Primary Surplus



Source: IMF. * Estimated values - WEO Apr-21.

Selected Economies Main Interest Rate

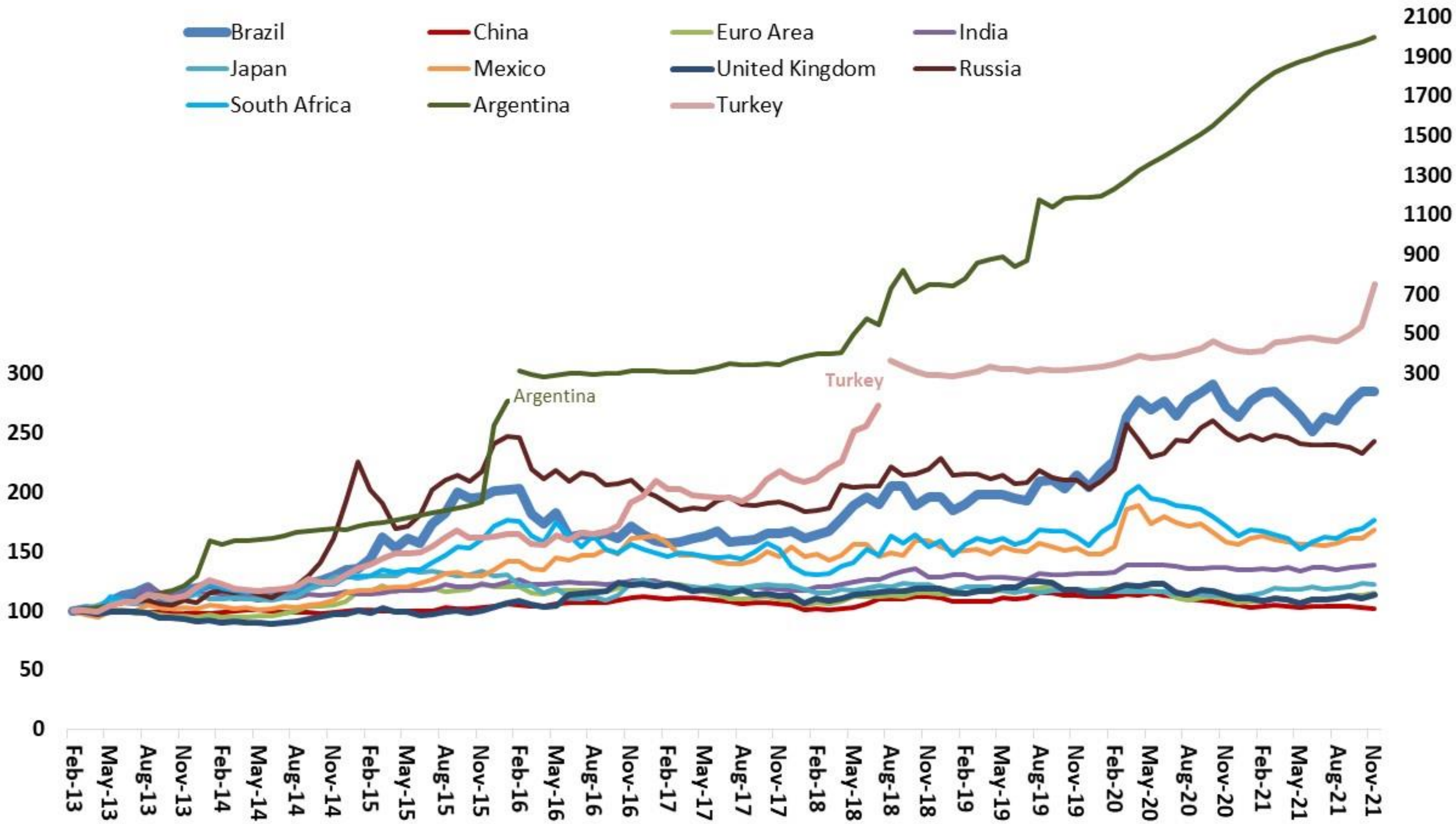
Main Interest Rates – Selected Economies – % per year



Source: Central Bank of Brazil.

Selected Economies FX-dollar Rate Evolution

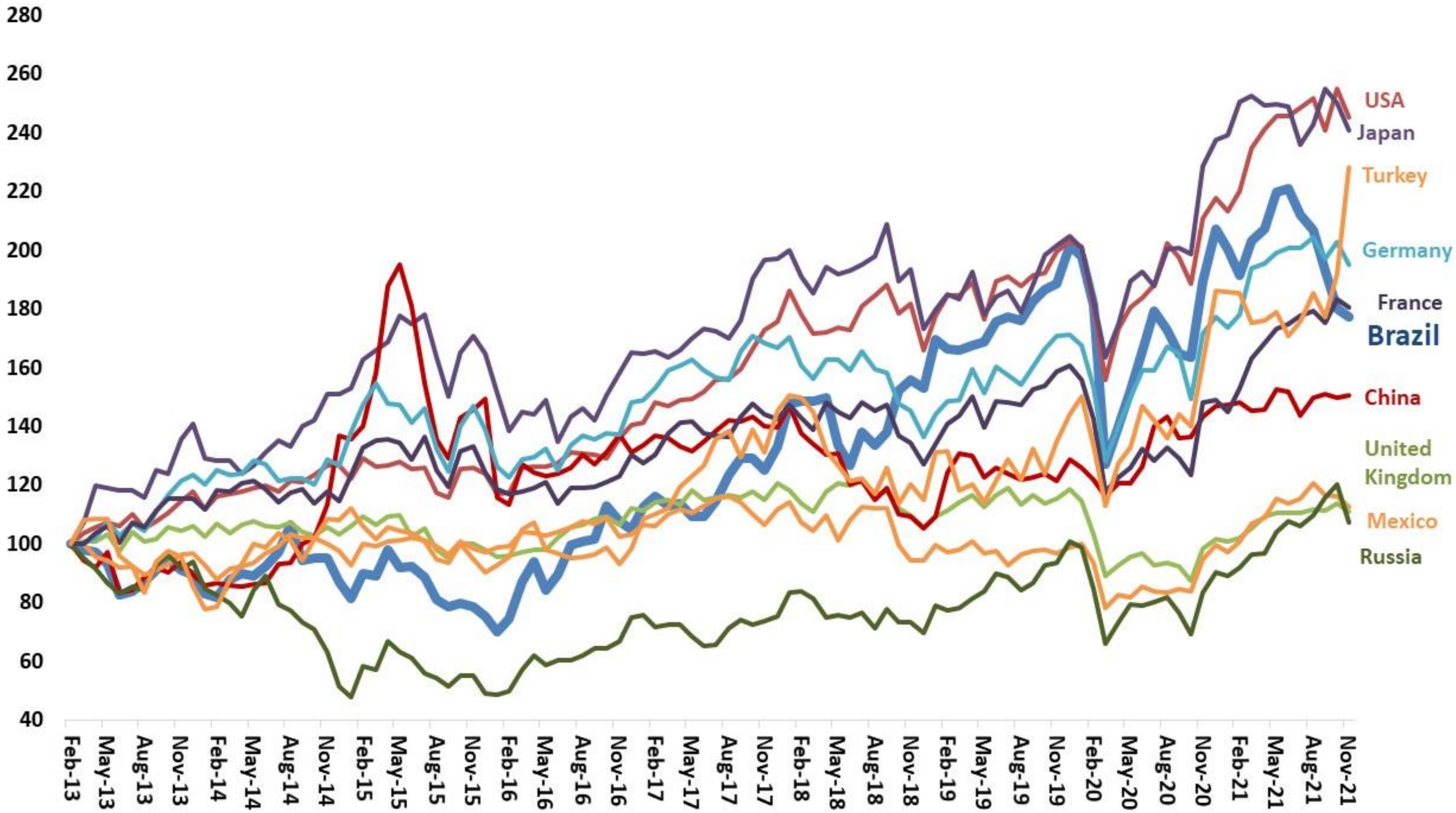
Selected Economies FX-rate Indexes – Dec/2008 = 100



Source: Bloomberg.

Selected Economies Main Stock Index Evolution

Selected Economies Main Stock Indexes – Dec/2008 = 100



Source: Bloomberg.

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SPE Secretariat for Economic Policy

Ministry of Economy