

Country Data and Graphs for Brazil

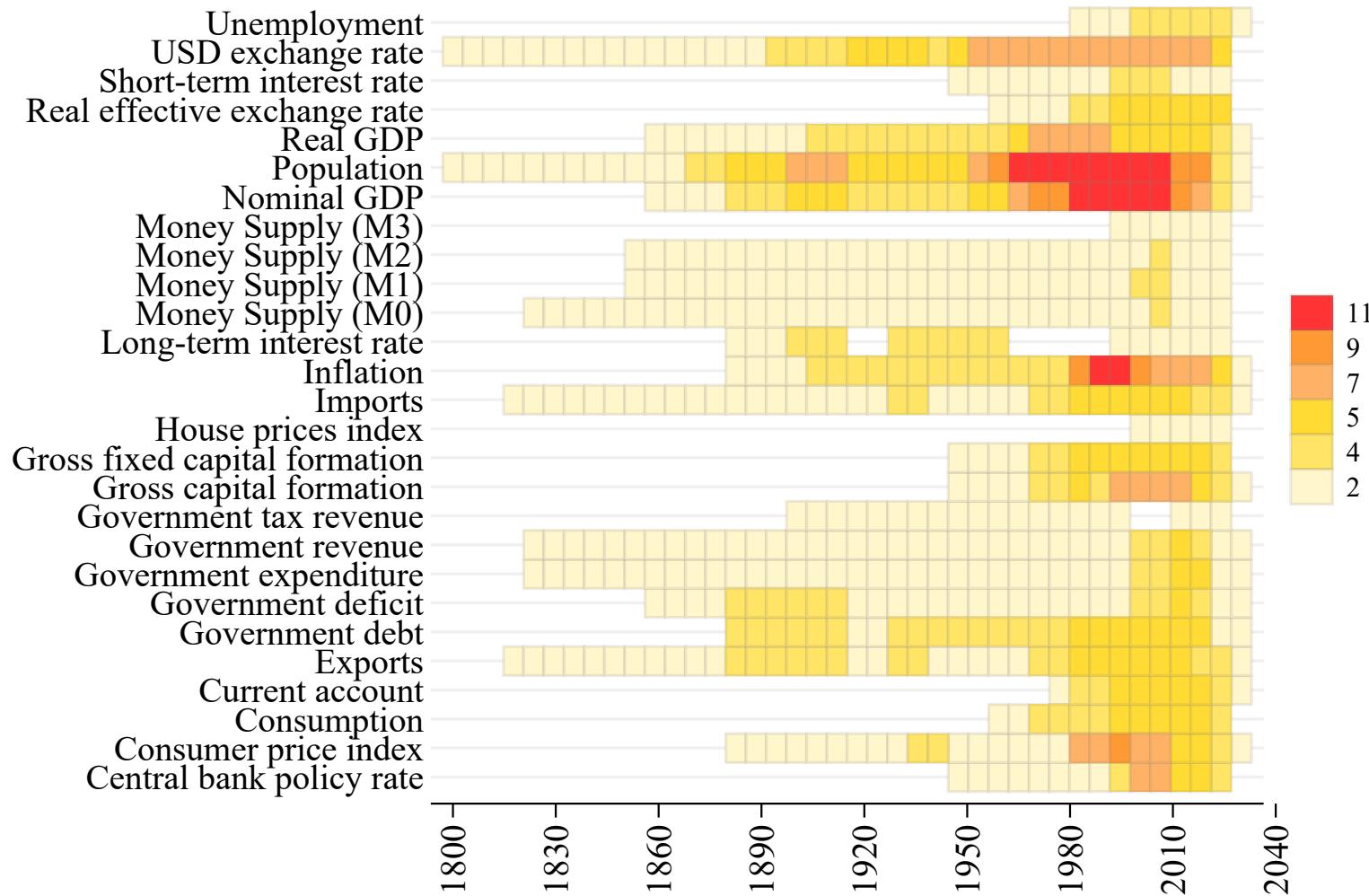
January 28, 2025

Contents

Data availability heatmap	3
Current account balance	4
Consumer price index	5
House price index	6
Money supply (M0)	7
Money supply (M1)	8
Money supply (M2)	9
Money supply (M3)	10
Real effective exchange rate	11
USD exchange rate	12
Central bank policy rate	13
Total consumption	14
Total consumption to GDP ratio	15
Exports	16
Exports to GDP ratio	17
Fixed investment	18
Fixed investment to GDP ratio	19
Government debt	20
Government deficit	21

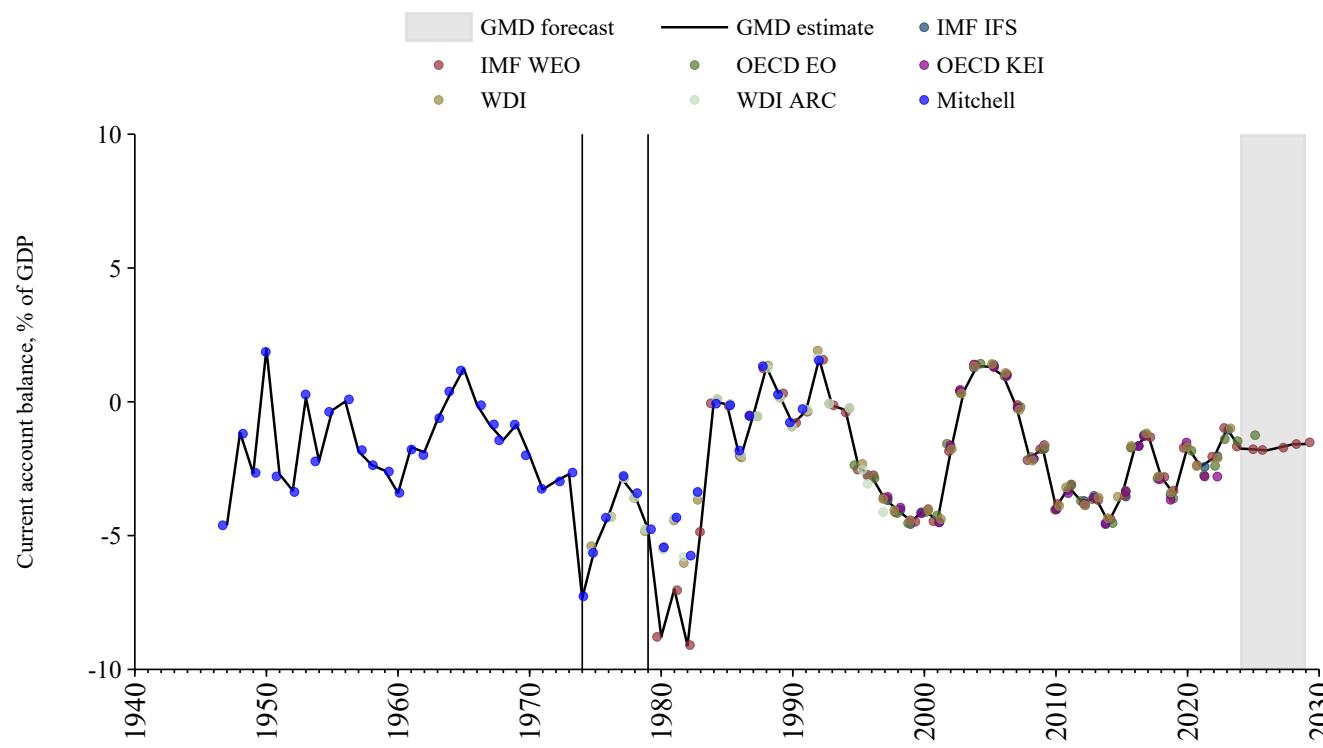
Government expenditure	22
Government expenditure to GDP ratio	23
Government revenue	24
Government revenue to GDP ratio	25
Government tax revenue	26
Government tax revenue to GDP ratio	27
Imports	28
Imports to GDP ratio	29
Inflation	30
Investment	31
Investment to GDP ratio	32
Long term interest rate	33
Nominal GDP	34
Population	35
Real GDP	36
Real total consumption	37
Short term interest rate	38
Unemployment	39
References	40

Data availability heatmap



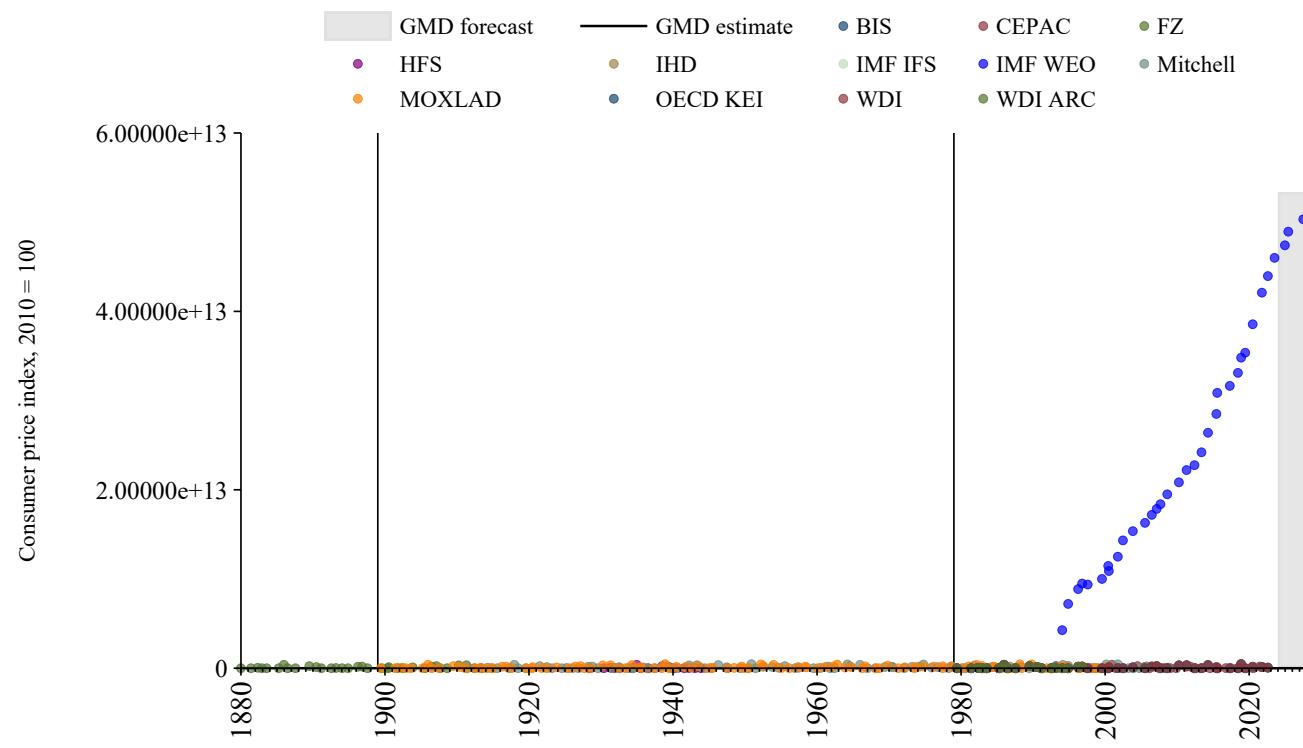
Current account balance

Source	Time span	Notes
Mitchell (2013)	1947 - 1974	Spliced using overlapping data in 1975.
World Bank (2024)	1975 - 1979	Spliced using overlapping data in 1980.
WEO (2024)	1980 - 2029	Baseline source, overlaps with base year 2018.



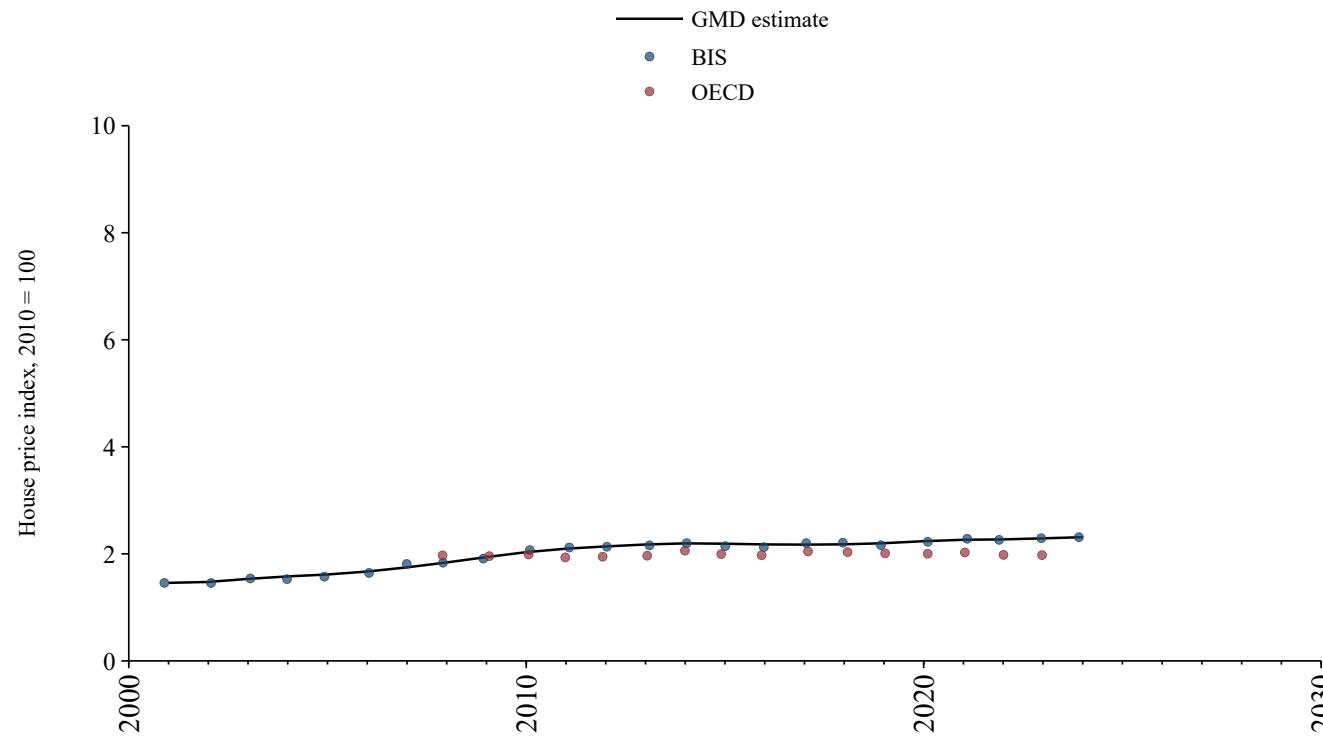
Consumer price index

Source	Time span	Notes
Flandreau and Zumer (2009)	1880 - 1899	Spliced using overlapping data in 1900: (ratio = 0%)..
Bértola and Rey (2018)	1900 - 1979	Spliced using overlapping data in 1980: (ratio = 1.45e+13%)..
WEO (2024)	1980 - 2029	Baseline source, overlaps with base year 2018.



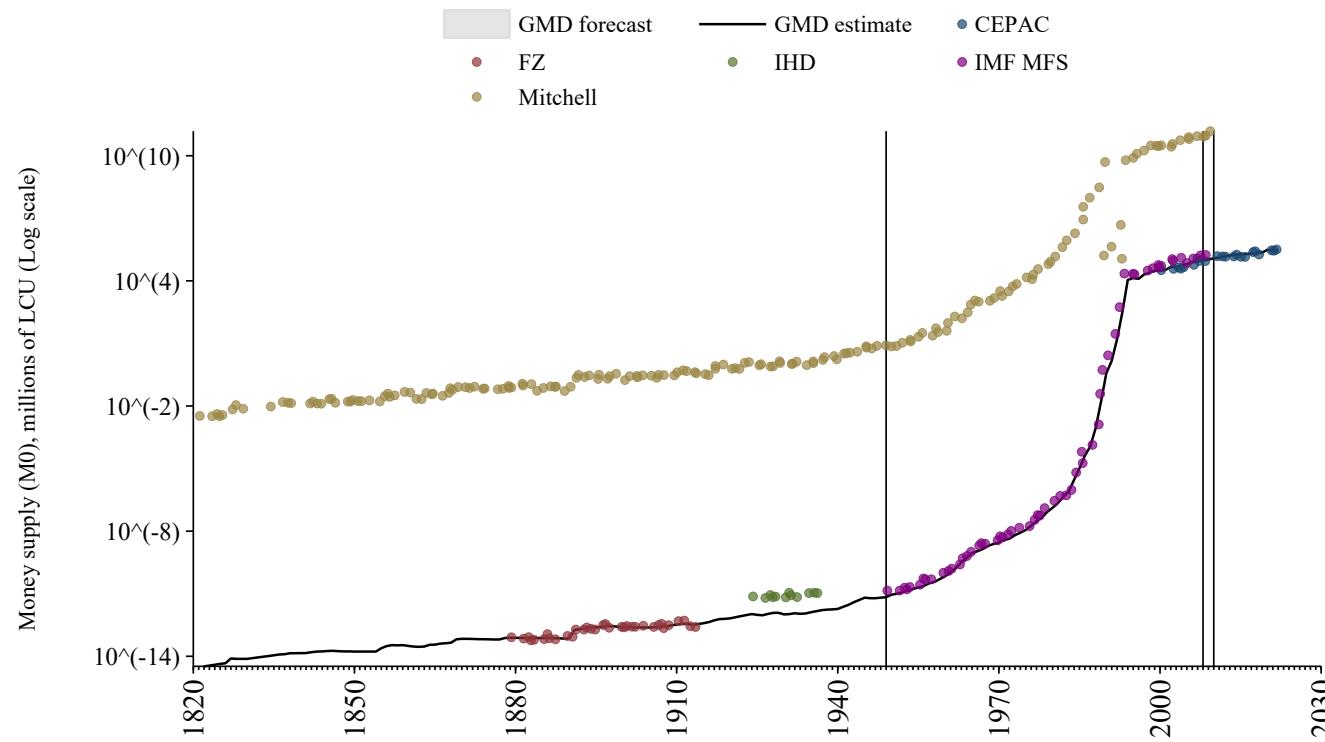
House price index

Source	Time span	Notes
Bank for International Settlements (2024)	2001 - 2024	Baseline source, overlaps with base year 2018.



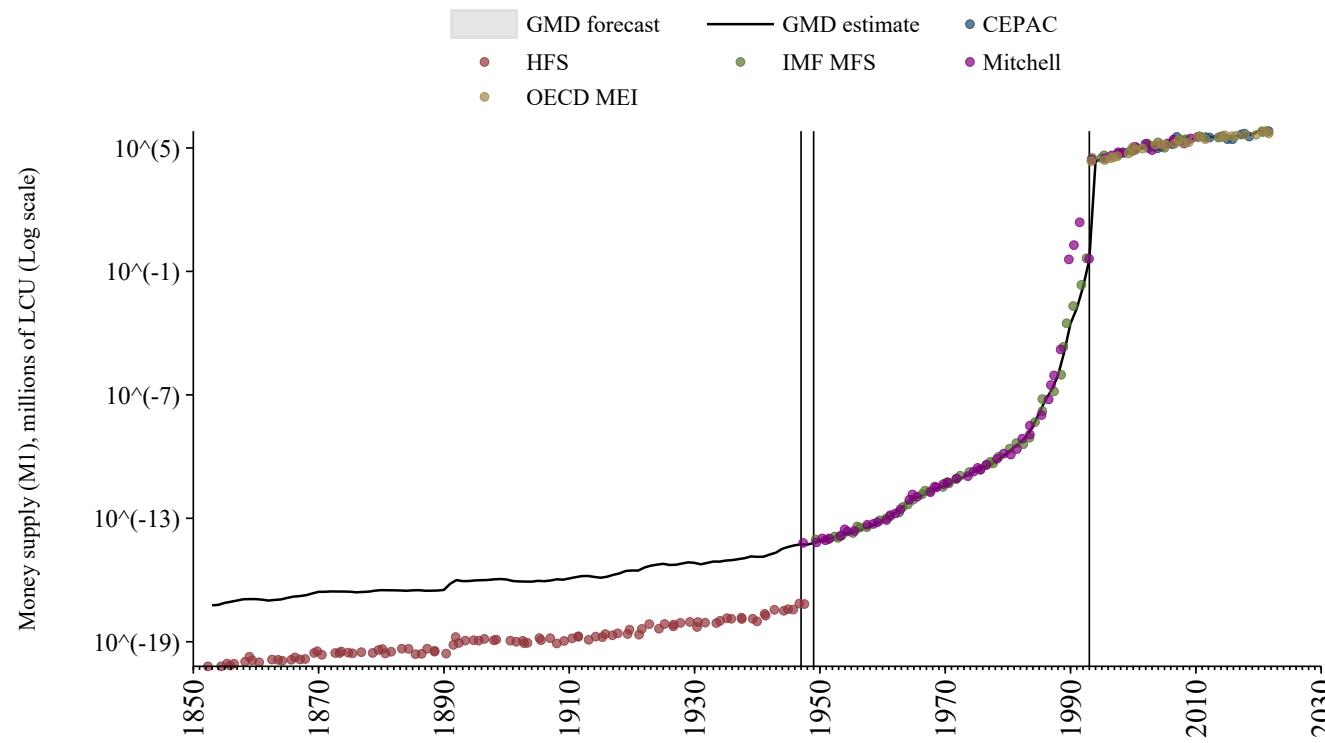
Money supply (M0)

Source	Time span	Notes
Mitchell (2013)	1822 - 1949	Spliced using overlapping data in 1950: (ratio = 0%)..
International Monetary Fund (2024c)	1950 - 2008	Spliced using overlapping data in 2009: (ratio = 63.1%)..
Mitchell (2013)	2009 - 2010	Spliced using overlapping data in 2011: (ratio = 0%)..
Economic Commission for Latin America and the Caribbean (2024)	2011 - 2022	Baseline source, overlaps with base year 2018.



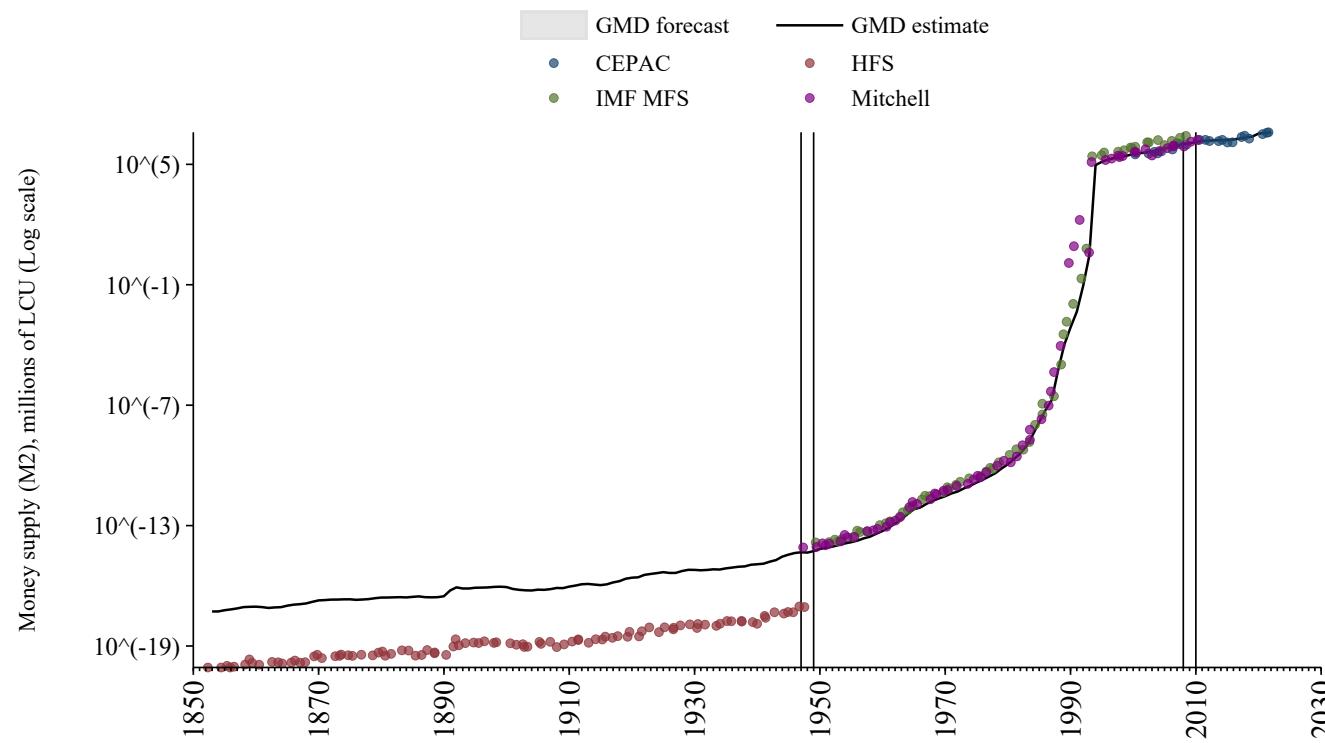
Money supply (M1)

Source	Time span	Notes
Schuler (2015)	1853 - 1947	Spliced using overlapping data in 1948: (ratio = 92626.8%)..
Mitchell (2013)	1948 - 1949	Spliced using overlapping data in 1950: (ratio = 83.6%)..
International Monetary Fund (2024c)	1950 - 1993	Spliced using overlapping data in 1994: (ratio = 89.4%)..
OECD (2024)	1994 - 2022	Baseline source, overlaps with base year 2018.



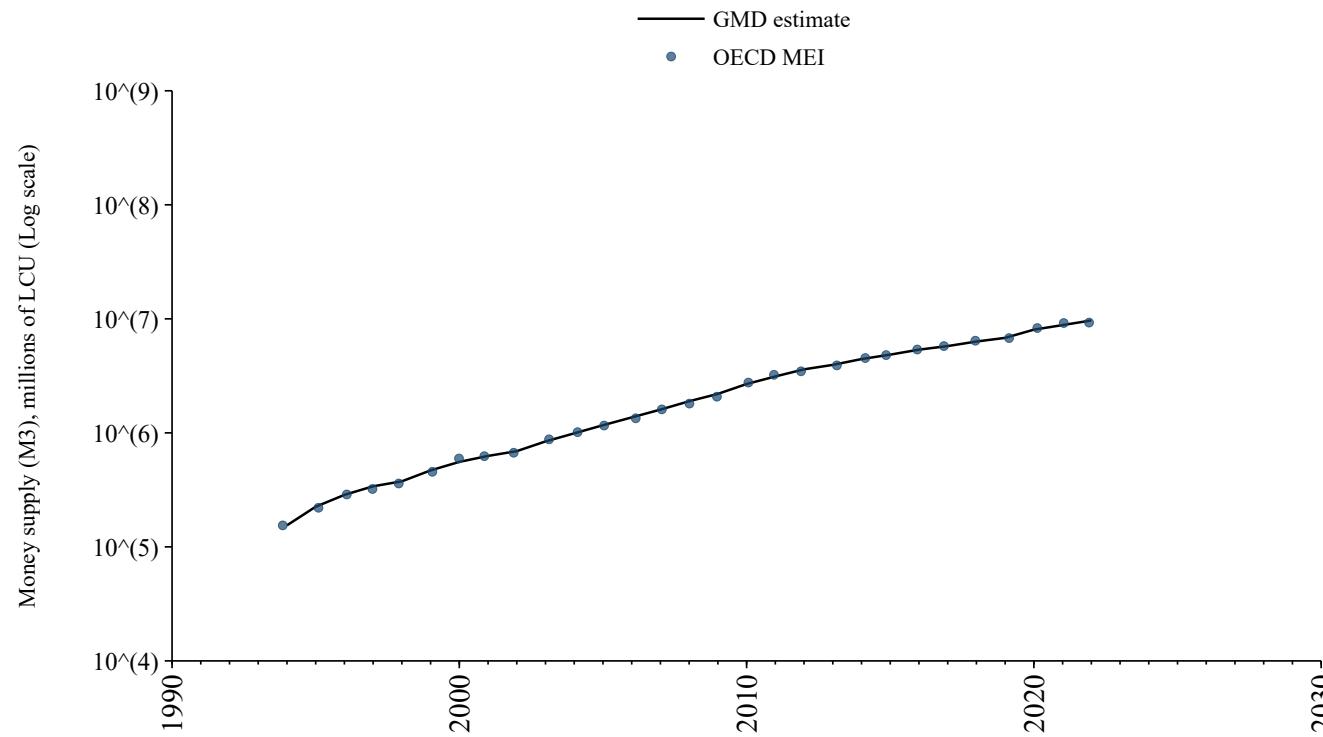
Money supply (M2)

Source	Time span	Notes
Schuler (2015)	1853 - 1947	Spliced using overlapping data in 1948: (ratio = 61984%)..
Mitchell (2013)	1948 - 1949	Spliced using overlapping data in 1950: (ratio = 55.3%)..
International Monetary Fund (2024c)	1950 - 2008	Spliced using overlapping data in 2009: (ratio = 47%)..
Mitchell (2013)	2009 - 2010	Spliced using overlapping data in 2011: (ratio = 96.1%)..
Economic Commission for Latin America and the Caribbean (2024)	2011 - 2022	Baseline source, overlaps with base year 2018.



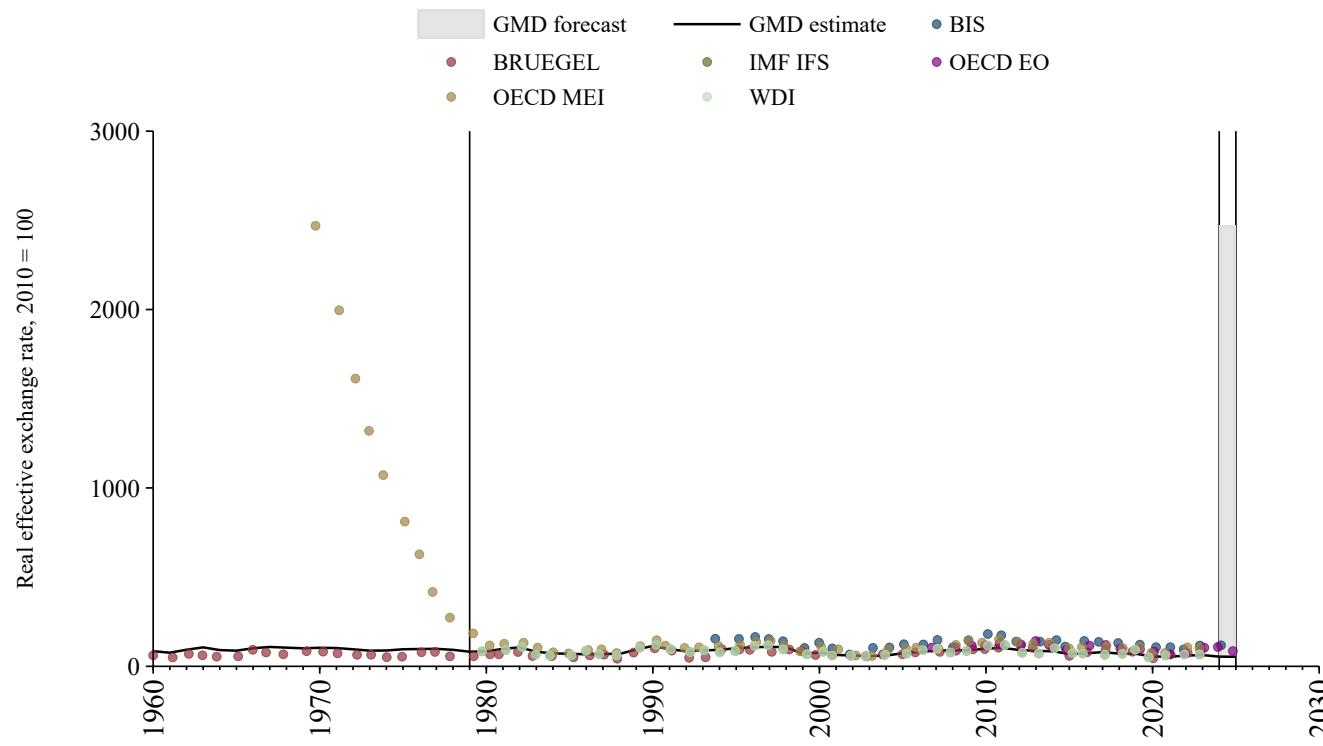
Money supply (M3)

Source	Time span	Notes
OECD (2024)	1994 - 2022	Baseline source, overlaps with base year 2018.



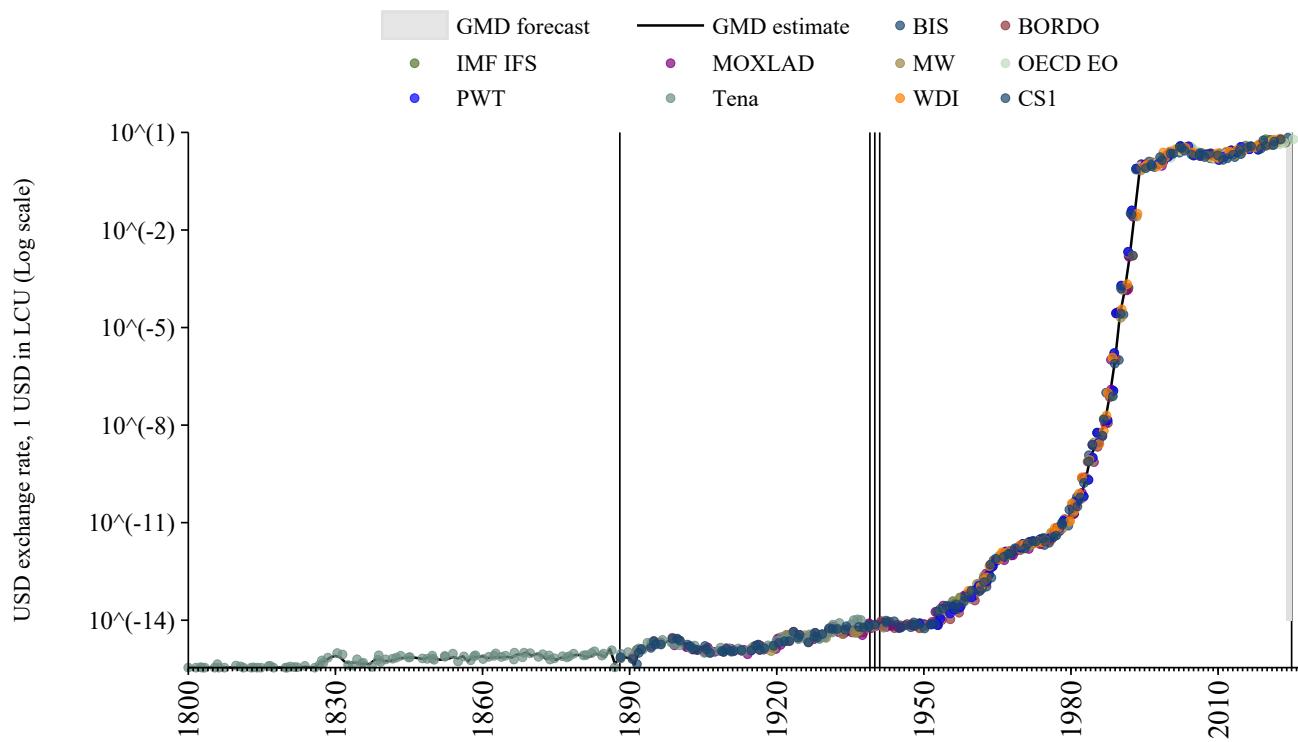
Real effective exchange rate

Source	Time span	Notes
Darvas (2021)	1960 - 1979	Spliced using overlapping data in 1980: (ratio = 137.4%)..
World Bank (2024)	1980 - 2023	Baseline source, overlaps with base year 2018.
Bank for International Settlements (2024)	2024 - 2024	Spliced using overlapping data in 2025: (ratio = 53.3%)..
OECD Economic Outlook (2024)	2025 - 2025	Spliced using overlapping data in 2026: (ratio = 55%)..



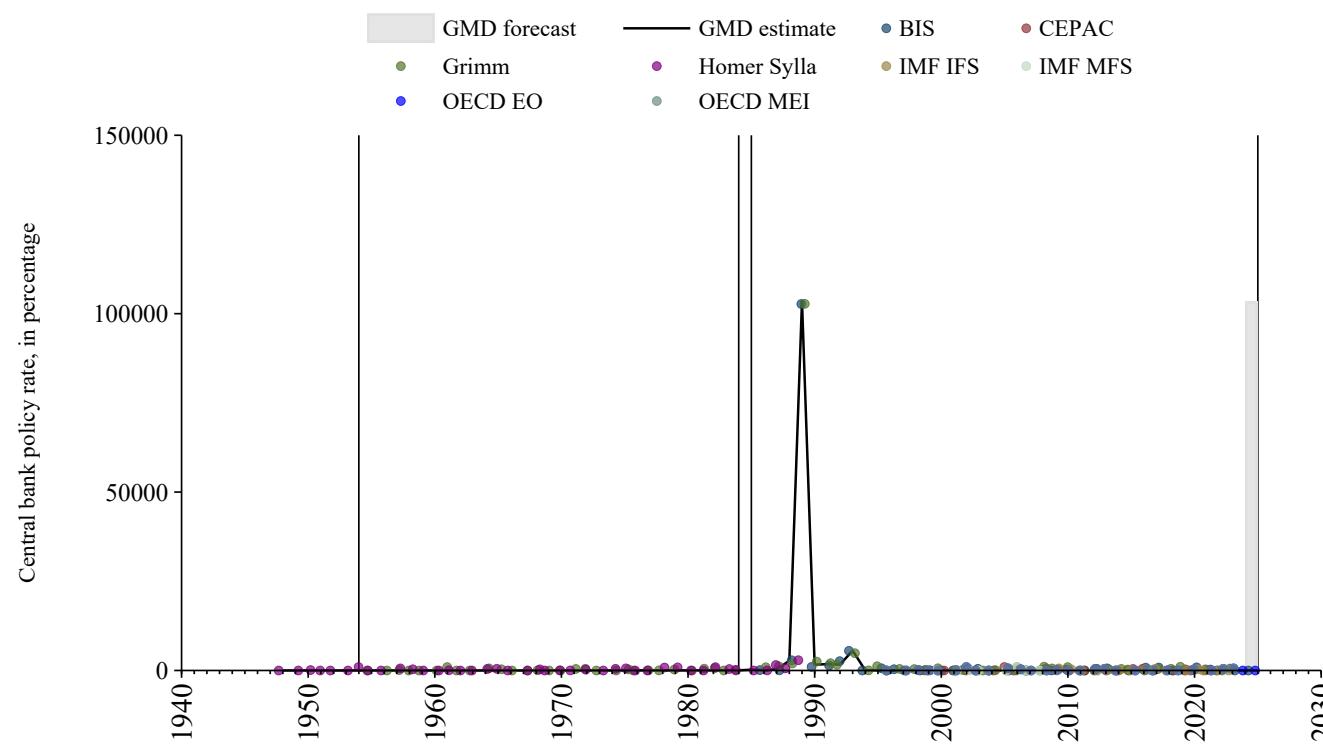
USD exchange rate

Source	Time span	Notes
Federico and Tena-Junguito (2019)	1800 - 1888	Spliced using overlapping data in 1889.
de Pesquisa Econômica Aplicada (2024)	1889 - 1939	Spliced using overlapping data in 1940.
Bordo et al. (2001)	1940 - 1940	Spliced using overlapping data in 1941.
de Pesquisa Econômica Aplicada (2024)	1941 - 1941	Spliced using overlapping data in 1942.
Bank for International Settlements (2024)	1942 - 2024	Baseline source, overlaps with base year 2018.
OECD Economic Outlook (2024)	2025 - 2025	Spliced using overlapping data in 2026.



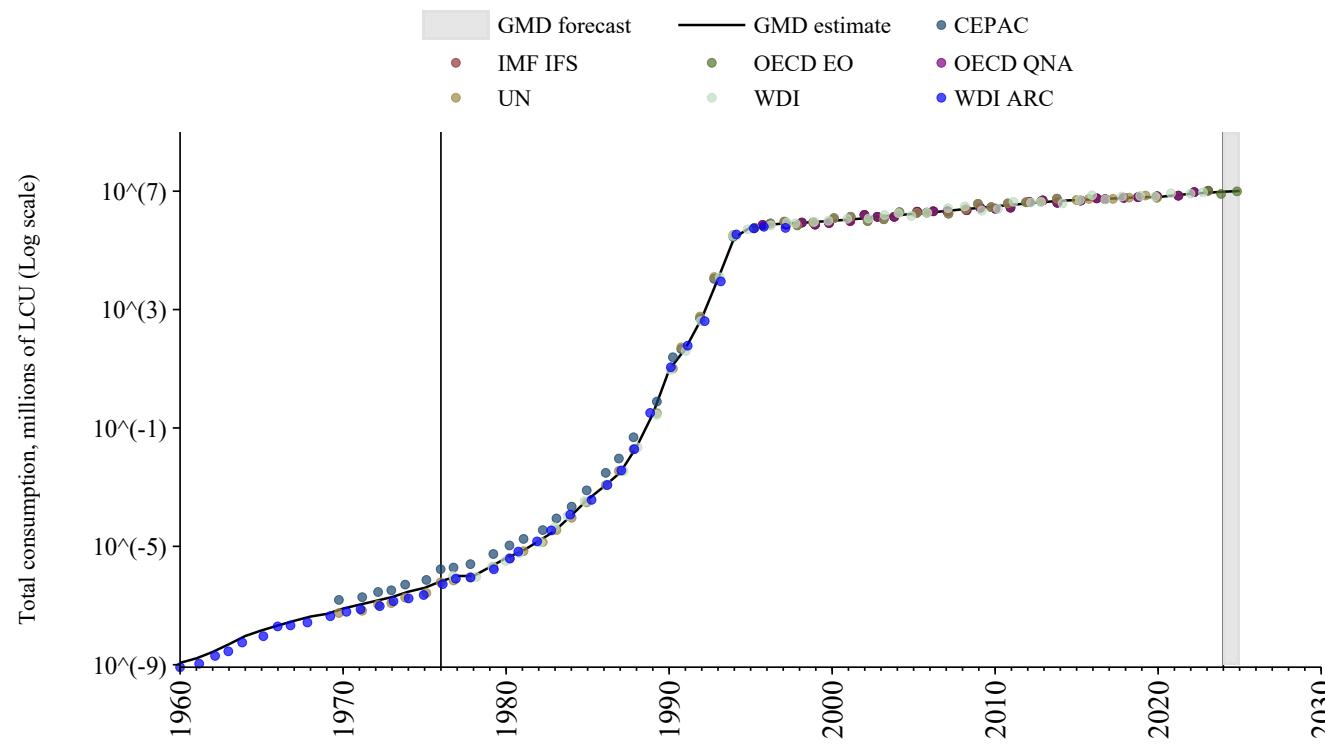
Central bank policy rate

Source	Time span	Notes
Homer and Sylla (1996)	1948 - 1954	Spliced using overlapping data in 1955.
Grimm (2024)	1955 - 1984	Spliced using overlapping data in 1985.
Homer and Sylla (1996)	1985 - 1985	Spliced using overlapping data in 1986.
Bank for International Settlements (2024)	1986 - 2024	Baseline source, overlaps with base year 2018.
OECD Economic Outlook (2024)	2025 - 2025	Spliced using overlapping data in 2026.



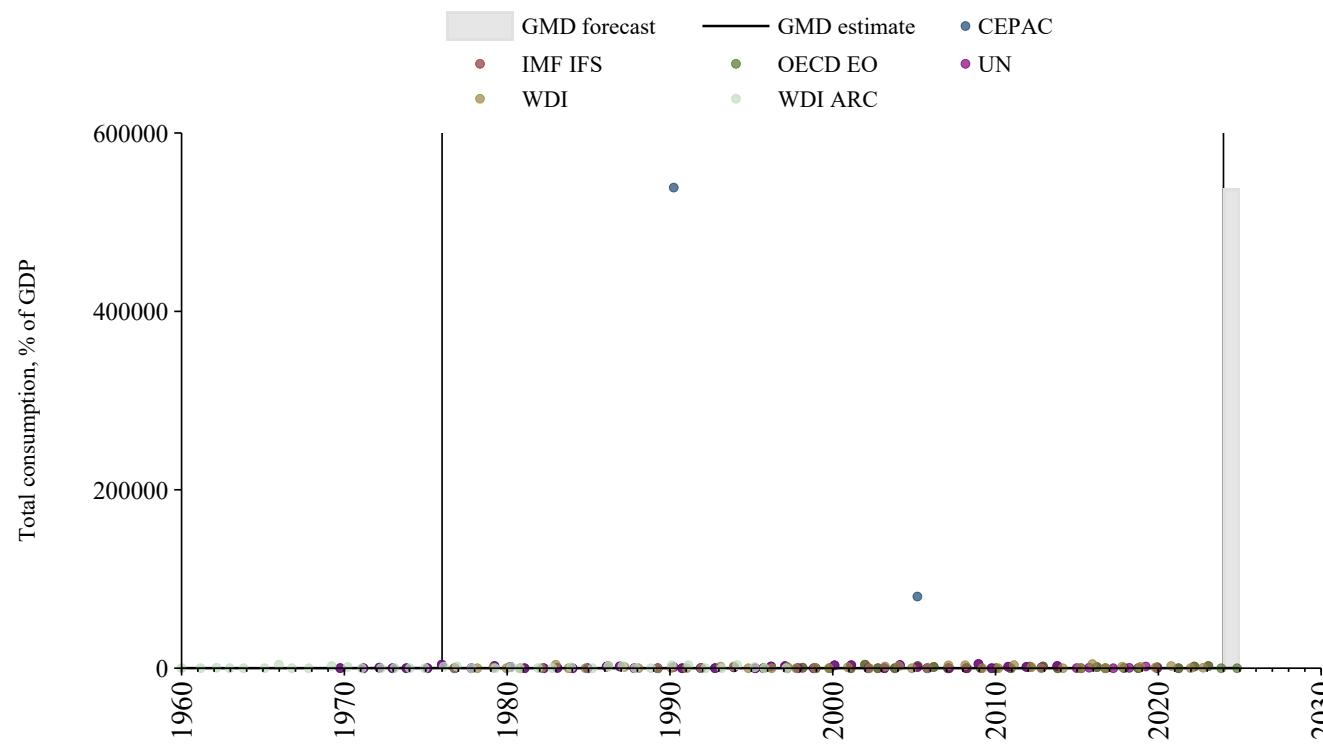
Total consumption

Source	Time span	Notes
World Bank (Archives) (1999)	1960 - 1976	Spliced using overlapping data in 1977: (ratio = 140.4%)..
World Bank (2024)	1977 - 2023	Baseline source, overlaps with base year 2018.
OECD Economic Outlook (2024)	2024 - 2025	Spliced using overlapping data in 2026.



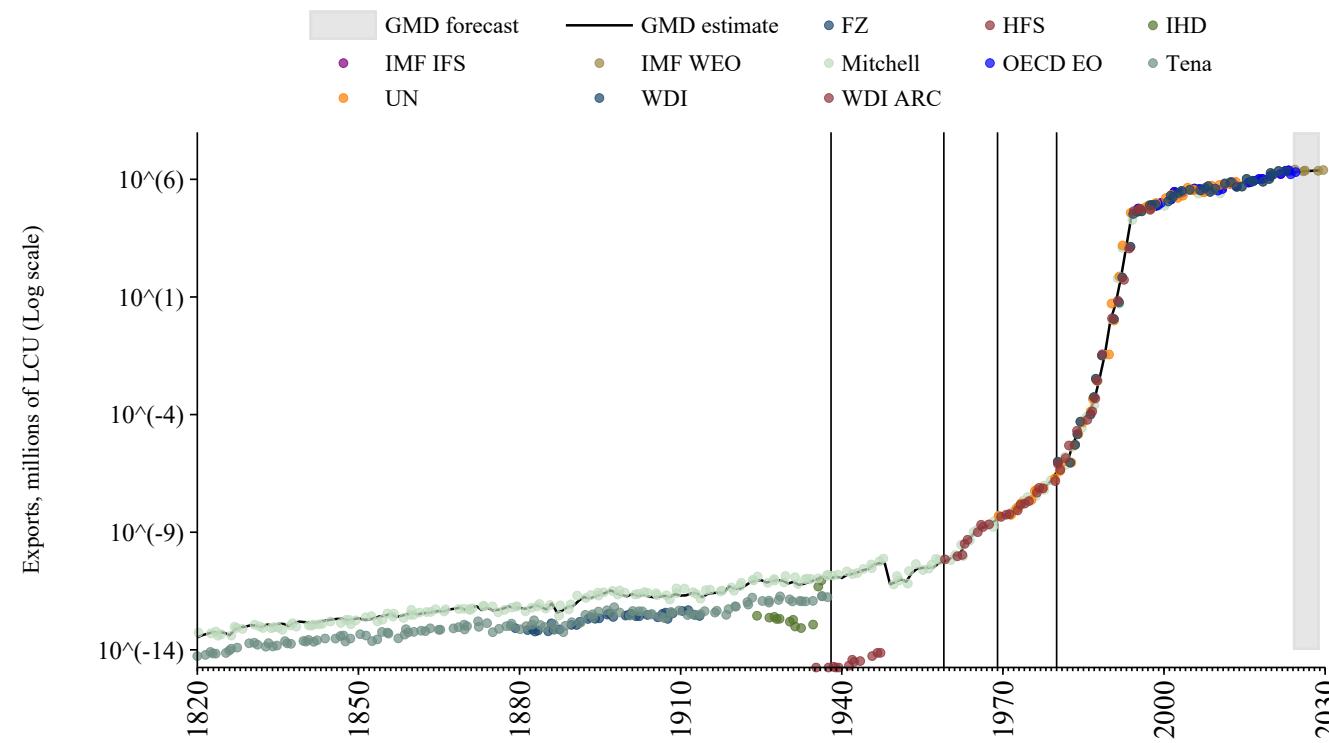
Total consumption to GDP ratio

Source	Time span	Notes
World Bank (Archives) (1999)	1960 - 1976	Spliced using overlapping data in 1977: (ratio = 140.4%)..
World Bank (2024)	1977 - 2023	Baseline source, overlaps with base year 2018.
OECD Economic Outlook (2024)	2024 - 2025	Spliced using overlapping data in 2026.



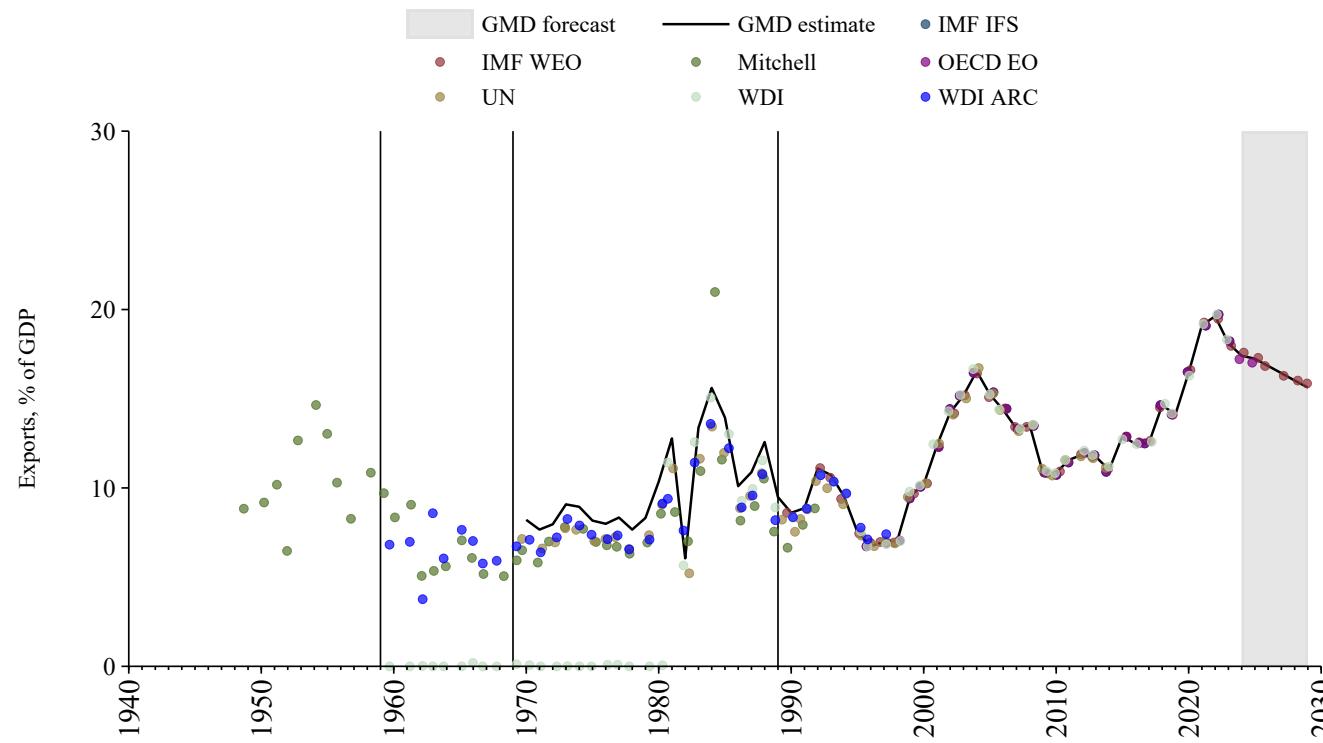
Exports

Source	Time span	Notes
Federico and Tena-Junguito (2019)	1820 - 1938	Spliced using overlapping data in 1939: (ratio = 628.4%)..
Mitchell (2013)	1939 - 1959	Spliced using overlapping data in 1960: (ratio = 83.1%)..
World Bank (Archives) (1999)	1960 - 1969	Spliced using overlapping data in 1970: (ratio = 100.6%)..
United Nations (2024)	1970 - 1980	Spliced using overlapping data in 1981.
WEO (2024)	1981 - 2029	Baseline source, overlaps with base year 2018.



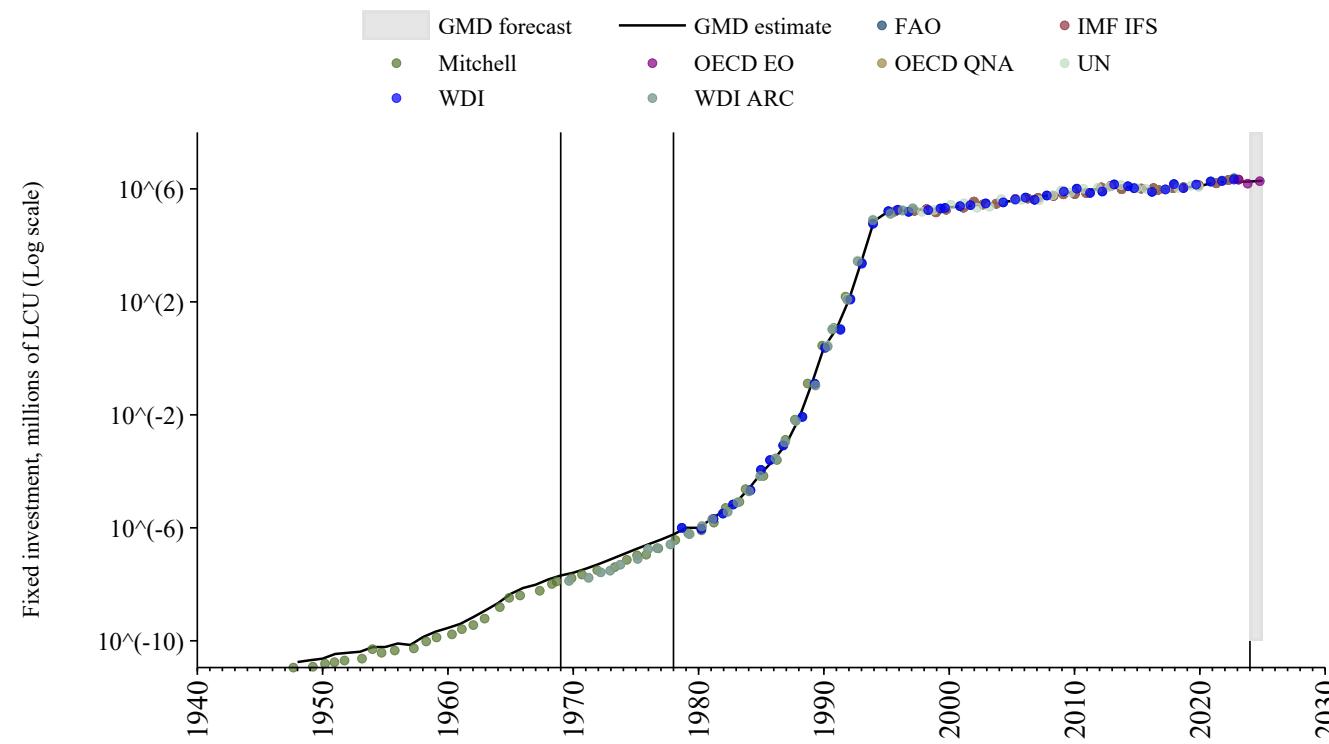
Exports to GDP ratio

Source	Time span	Notes
Mitchell (2013)	1949 - 1959	Spliced using overlapping data in 1960: (ratio = .%)..
World Bank (2024)	1960 - 1969	Spliced using overlapping data in 1970: (ratio = .%)..
United Nations (2024)	1970 - 1989	Spliced using overlapping data in 1990: (ratio = 115%)...
WEO (2024)	1990 - 2029	Baseline source, overlaps with base year 2018.



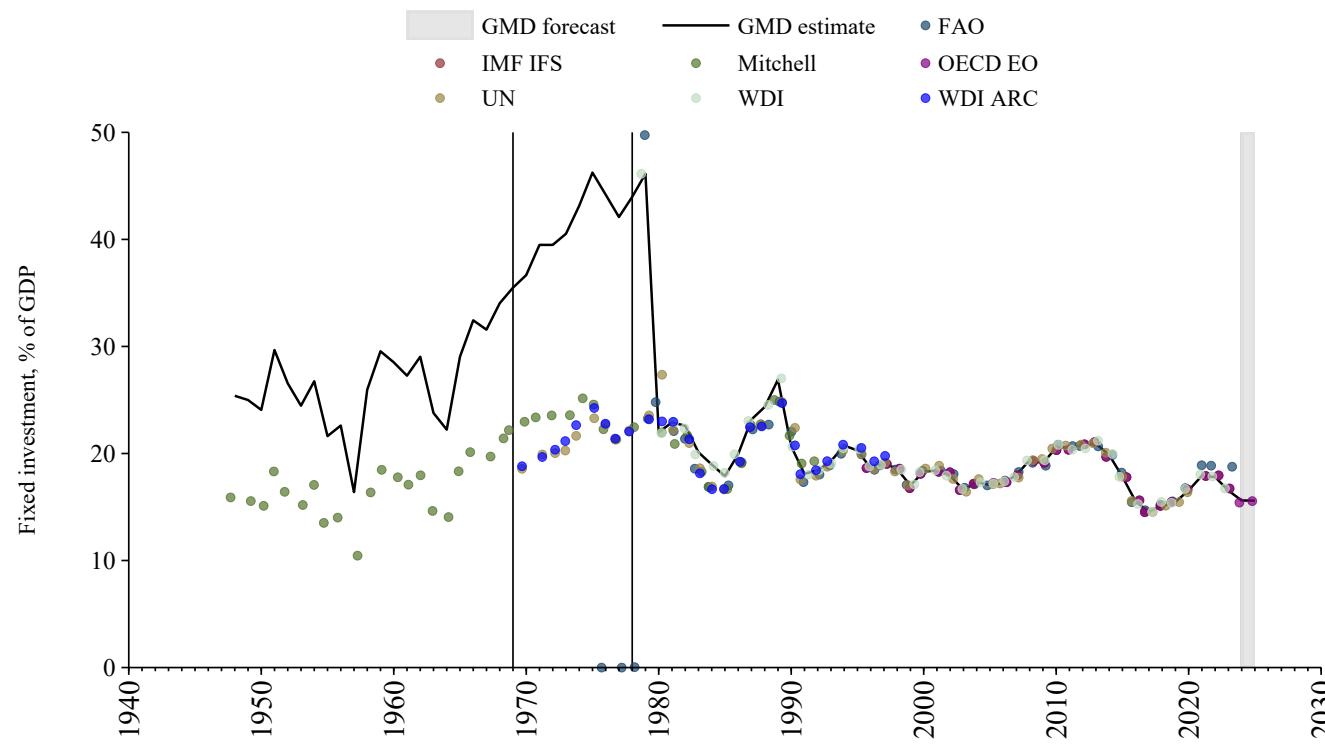
Fixed investment

Source	Time span	Notes
Mitchell (2013)	1948 - 1969	Spliced using overlapping data in 1970: (ratio = 156.7%)..
United Nations (2024)	1970 - 1978	Spliced using overlapping data in 1979: (ratio = 197.2%)..
World Bank (2024)	1979 - 2023	Baseline source, overlaps with base year 2018.
OECD Economic Outlook (2024)	2024 - 2025	Spliced using overlapping data in 2026.



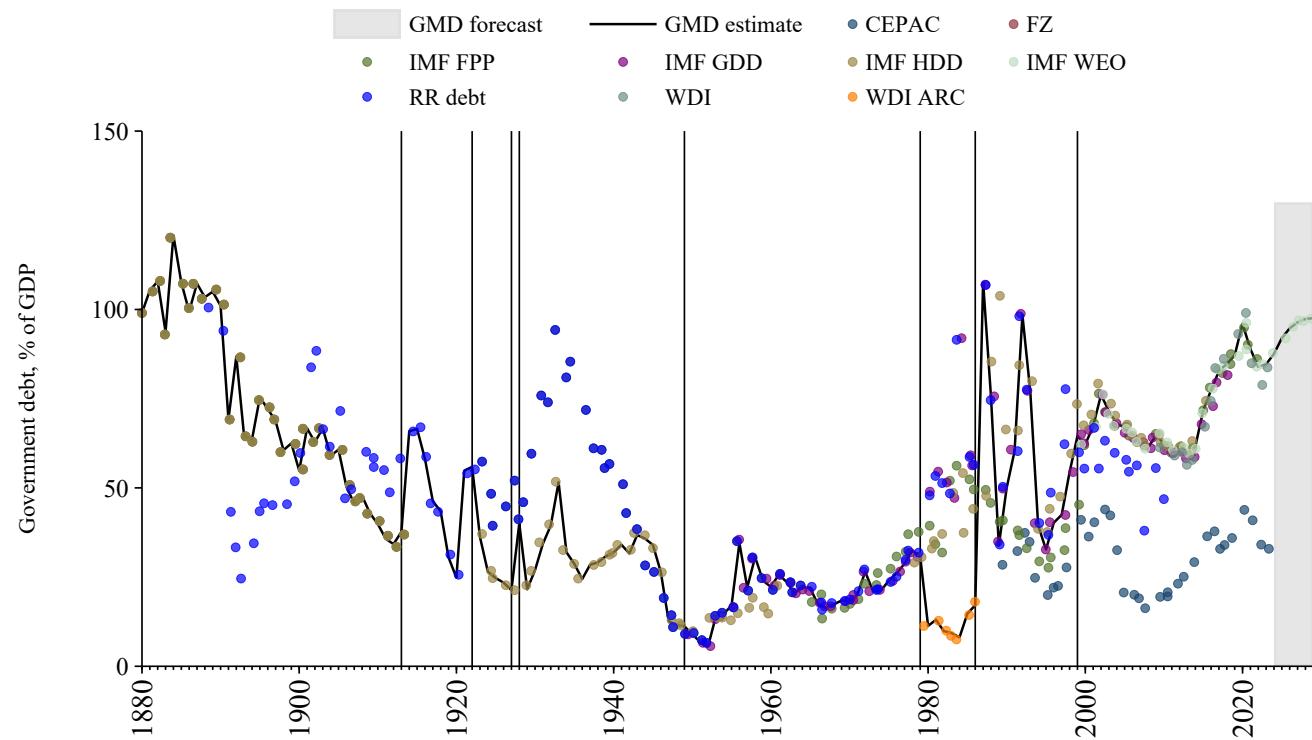
Fixed investment to GDP ratio

Source	Time span	Notes
Mitchell (2013)	1948 - 1969	Spliced using overlapping data in 1970: (ratio = 159.7%)..
United Nations (2024)	1970 - 1978	Spliced using overlapping data in 1979: (ratio = 197.4%)..
World Bank (2024)	1979 - 2023	Baseline source, overlaps with base year 2018.
OECD Economic Outlook (2024)	2024 - 2025	Spliced using overlapping data in 2026.



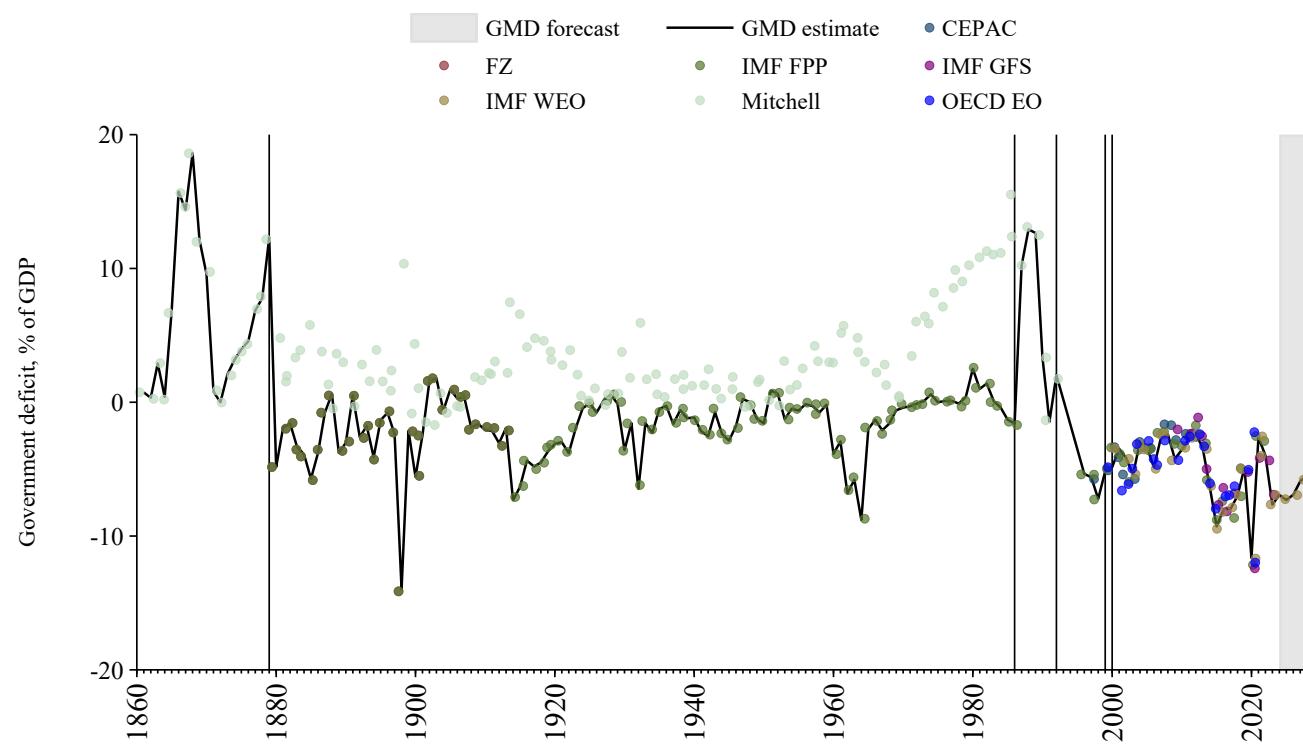
Government debt

Source	Time span	Notes
International Monetary Fund (2010)	1880 - 1913	Spliced using overlapping data in 1914. Data refers to general government.
Reinhart and Rogoff (2010)	1914 - 1922	Spliced using overlapping data in 1923.
International Monetary Fund (2010)	1923 - 1927	Spliced using overlapping data in 1928. Data refers to general government.
Reinhart and Rogoff (2010)	1928 - 1928	Spliced using overlapping data in 1929.
International Monetary Fund (2010)	1929 - 1949	Spliced using overlapping data in 1950. Data refers to general government.
Mbaye et al. (2018)	1950 - 1979	Spliced using overlapping data in 1980. Data refers to central government.
World Bank (Archives) (1999)	1980 - 1986	Spliced using overlapping data in 1987. Data refers to central government.
Mbaye et al. (2018)	1987 - 1999	Spliced using overlapping data in 2000. Data refers to central government.
WEO (2024)	2000 - 2029	Baseline source, overlaps with base year 2018. Data refers to general government.



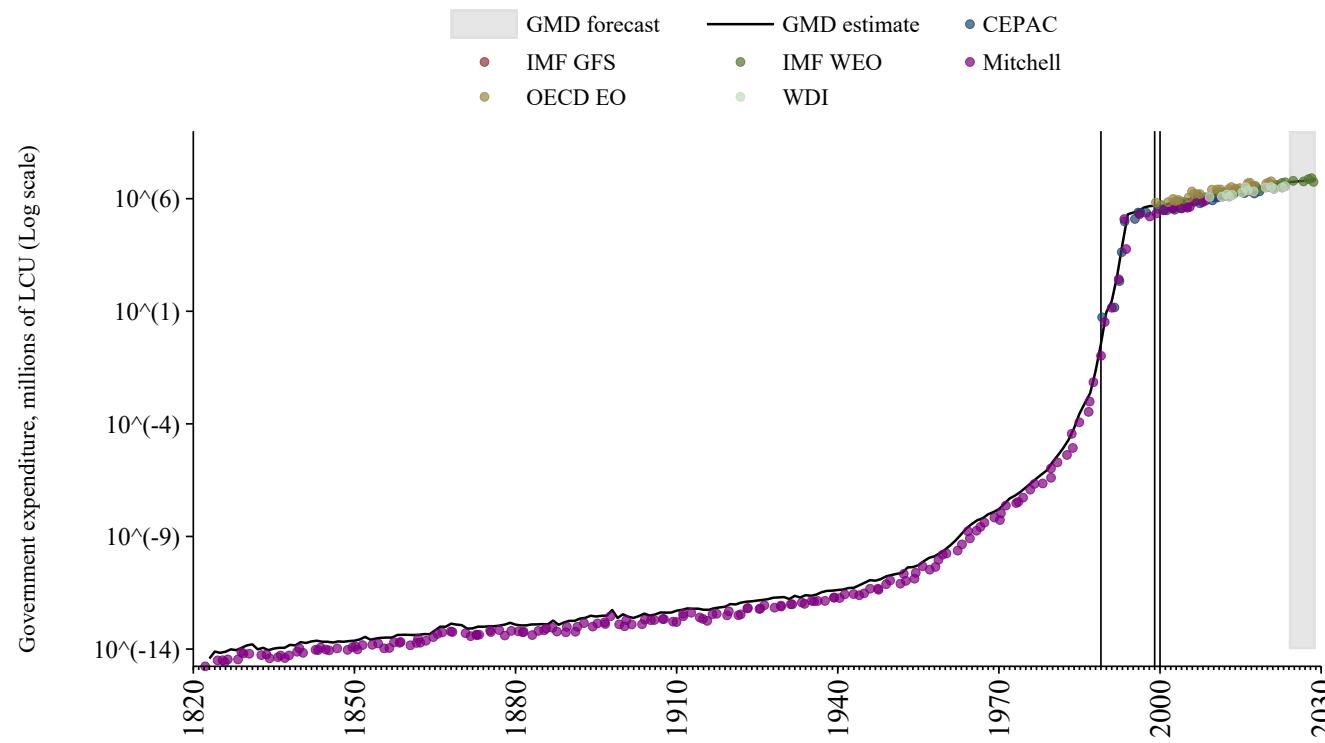
Government deficit

Source	Time span	Notes
Mitchell (2013)	1861 - 1879	Spliced using overlapping data in 1880.
Mauro et al. (2015)	1880 - 1986	Spliced using overlapping data in 1987.
Mitchell (2013)	1987 - 1992	Spliced using overlapping data in 1993.
Mauro et al. (2015)	1993 - 1999	Spliced using overlapping data in 2000.
OECD Economic Outlook (2024)	2000 - 2000	Spliced using overlapping data in 2001.
WEO (2024)	2001 - 2029	Baseline source, overlaps with base year 2018.



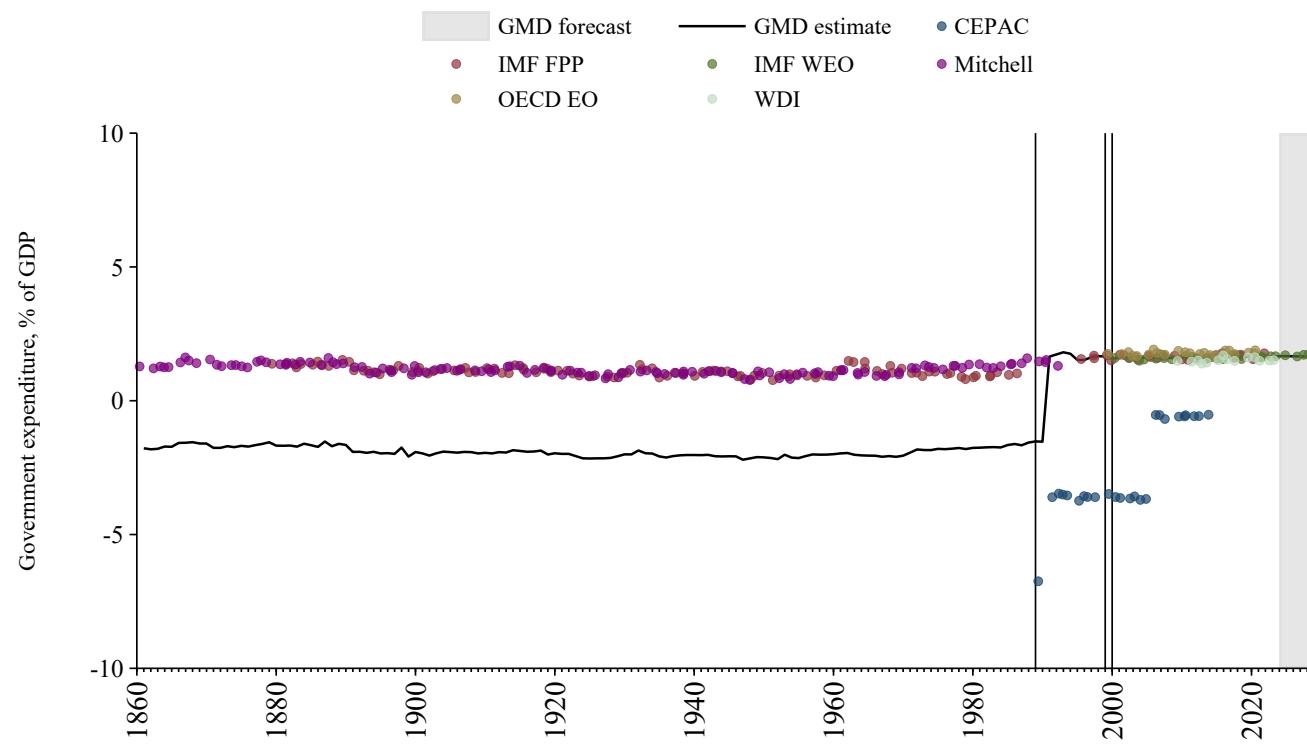
Government expenditure

Source	Time span	Notes
Mitchell (2013)	1823 - 1989	Spliced using overlapping data in 1990: (ratio = 223.2%).. Data refers to central government.
Economic Commission for Latin America and the Caribbean (2024)	1990 - 1999	Spliced using overlapping data in 2000: (ratio = 166.5%).. Data refers to general government.
OECD Economic Outlook (2024)	2000 - 2000	Spliced using overlapping data in 2001: (ratio = 66.2%).. Data refers to general government.
WEO (2024)	2001 - 2029	Baseline source, overlaps with base year 2018. Data refers to general government.



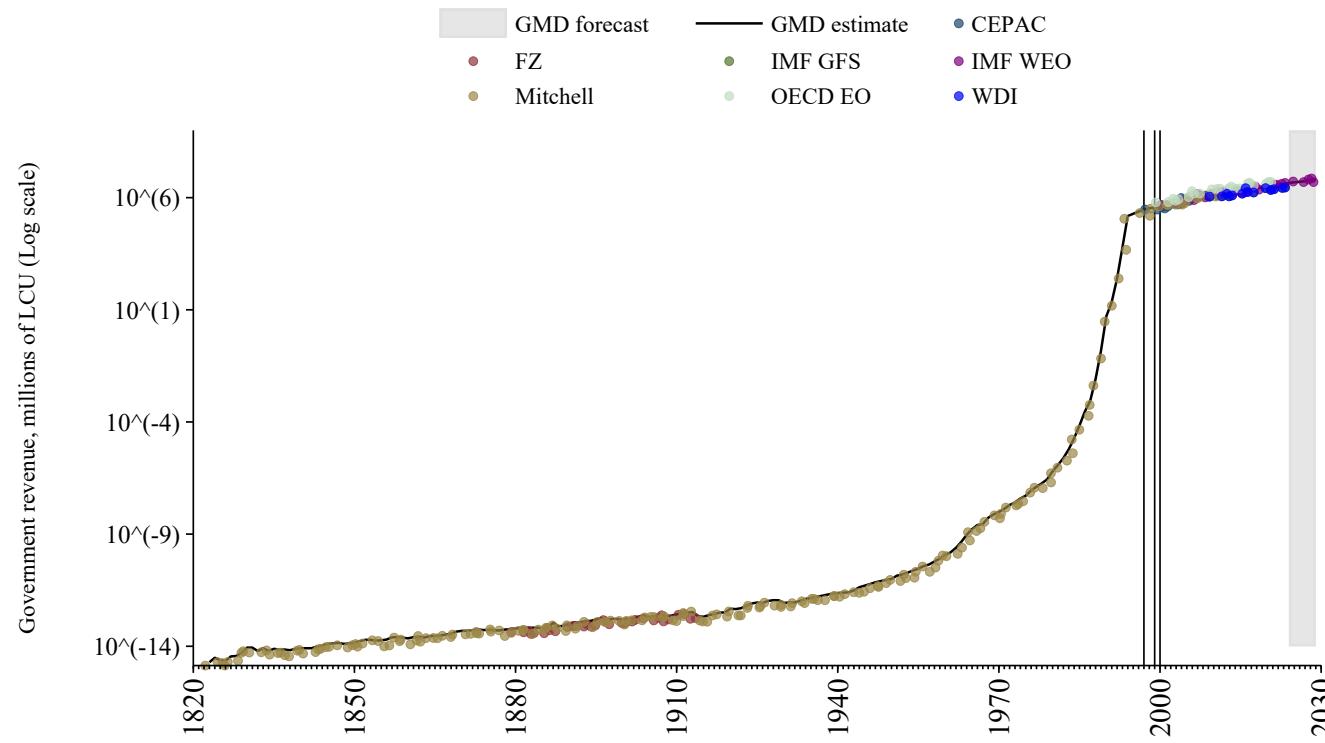
Government expenditure to GDP ratio

Source	Time span	Notes
Mitchell (2013)	1861 - 1989	Spliced using overlapping data in 1990: (ratio = .1%).. Data refers to central government.
Economic Commission for Latin America and the Caribbean (2024)	1990 - 1999	Spliced using overlapping data in 2000: (ratio = 1.64e+07%).. Data refers to general government.
OECD Economic Outlook (2024)	2000 - 2000	Spliced using overlapping data in 2001: (ratio = 66.2%).. Data refers to general government.
WEO (2024)	2001 - 2029	Baseline source, overlaps with base year 2018. Data refers to general government.



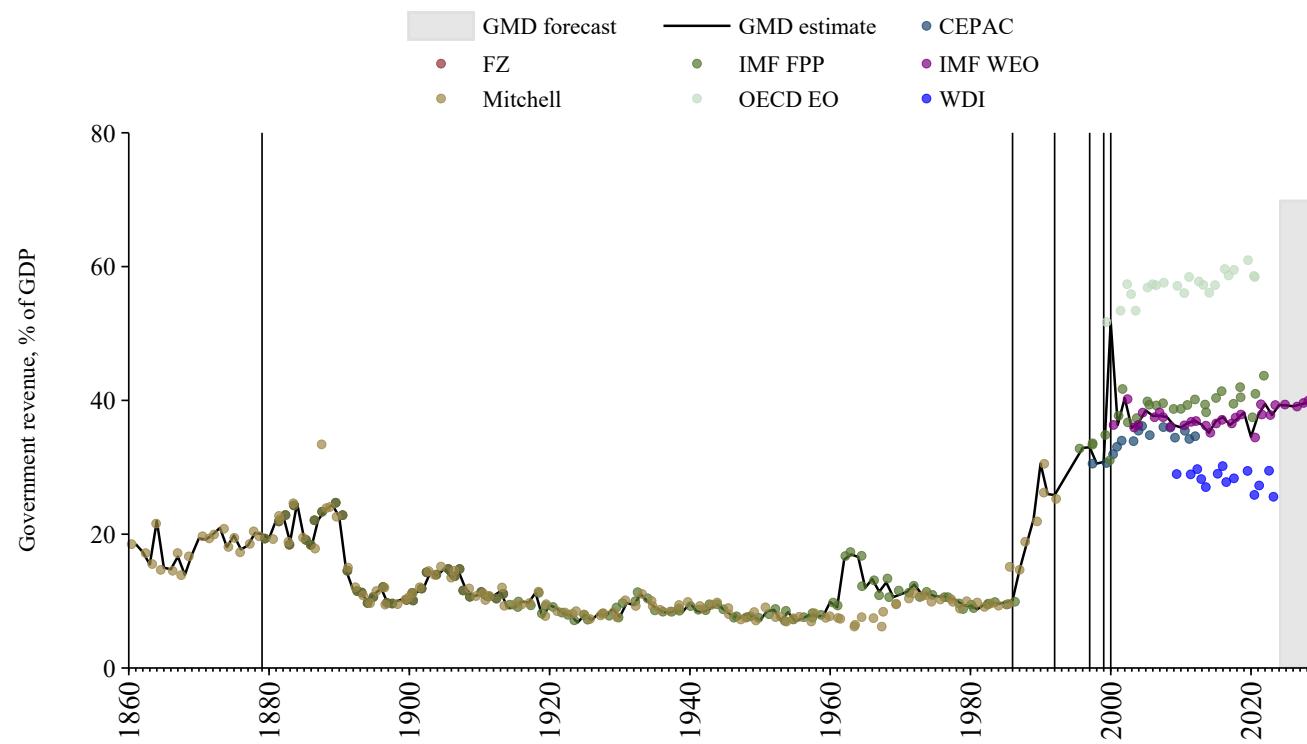
Government revenue

Source	Time span	Notes
Mitchell (2013)	1823 - 1997	Spliced using overlapping data in 1998: (ratio = 141.1%).. Data refers to central government.
Economic Commission for Latin America and the Caribbean (2024)	1998 - 1999	Spliced using overlapping data in 2000: (ratio = 111.8%).. Data refers to general government.
OECD Economic Outlook (2024)	2000 - 2000	Spliced using overlapping data in 2001: (ratio = 67.8%).. Data refers to general government.
WEO (2024)	2001 - 2029	Baseline source, overlaps with base year 2018. Data refers to general government.



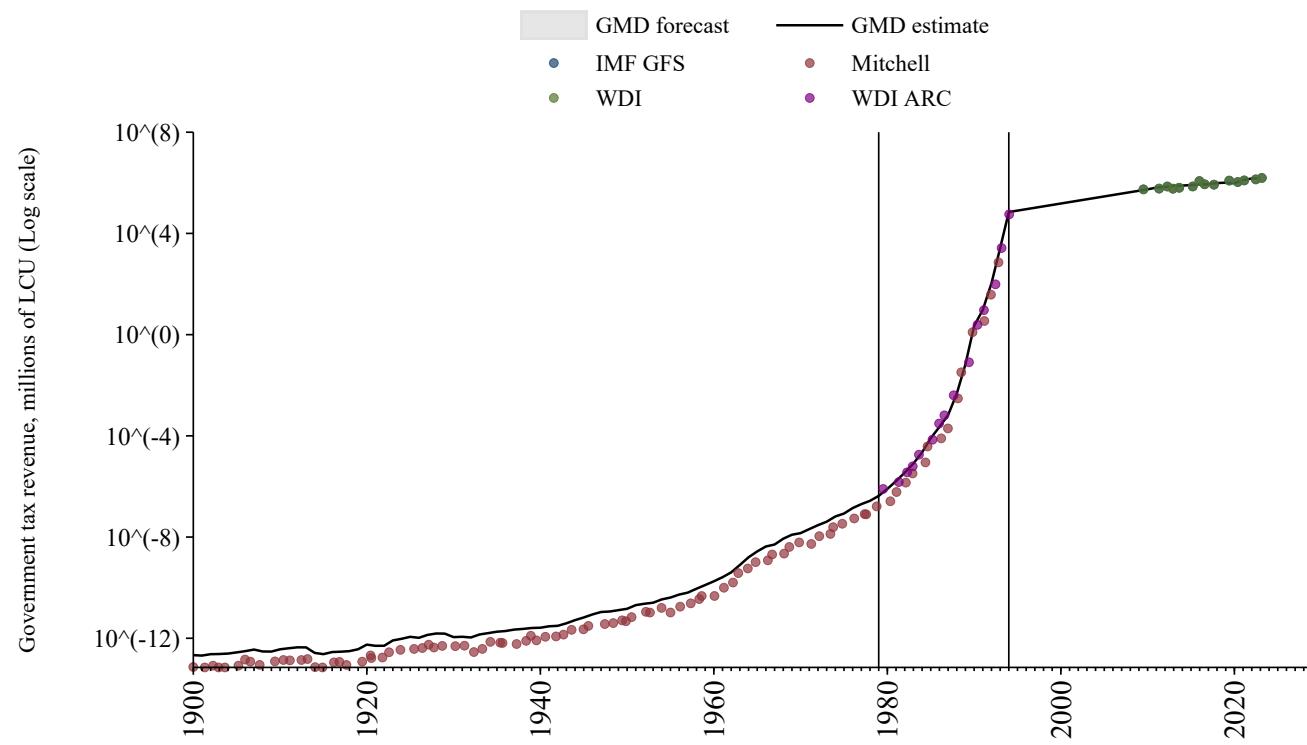
Government revenue to GDP ratio

Source	Time span	Notes
Mitchell (2013)	1861 - 1879	Spliced using overlapping data in 1880. Data refers to central government.
Mauro et al. (2015)	1880 - 1986	Spliced using overlapping data in 1987. Data refers to general government.
Mitchell (2013)	1987 - 1992	Spliced using overlapping data in 1993. Data refers to central government.
Mauro et al. (2015)	1993 - 1997	Spliced using overlapping data in 1998. Data refers to general government.
Economic Commission for Latin America and the Caribbean (2024)	1998 - 1999	Spliced using overlapping data in 2000. Data refers to general government.
OECD Economic Outlook (2024)	2000 - 2000	Spliced using overlapping data in 2001. Data refers to general government.
WEO (2024)	2001 - 2029	Baseline source, overlaps with base year 2018. Data refers to general government.



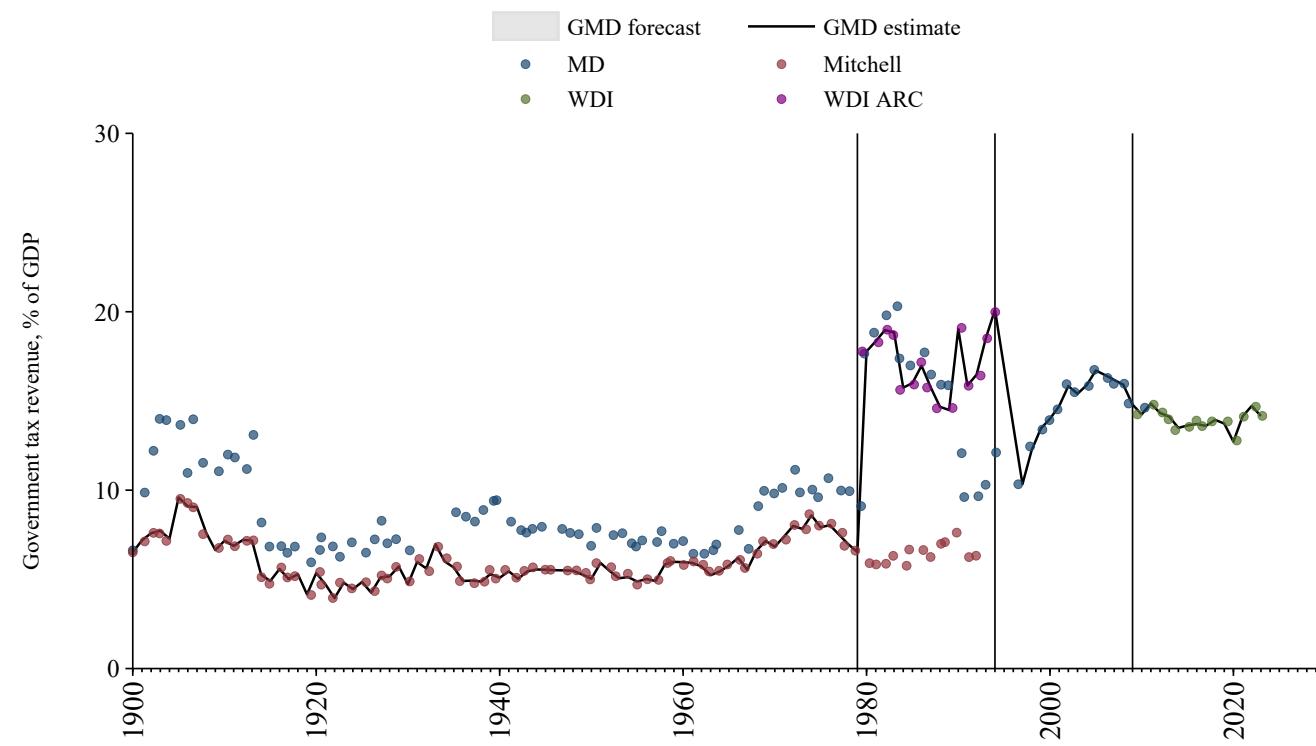
Government tax revenue

Source	Time span	Notes
Mitchell (2013)	1900 - 1979	Spliced using overlapping data in 1980: (ratio = 294.1%).. Data refers to central government.
World Bank (Archives) (1999)	1980 - 1994	Spliced using overlapping data in 1995. Data refers to general government.
International Monetary Fund (2024a)	1995 - 2023	Baseline source, overlaps with base year 2018. Data refers to central government.



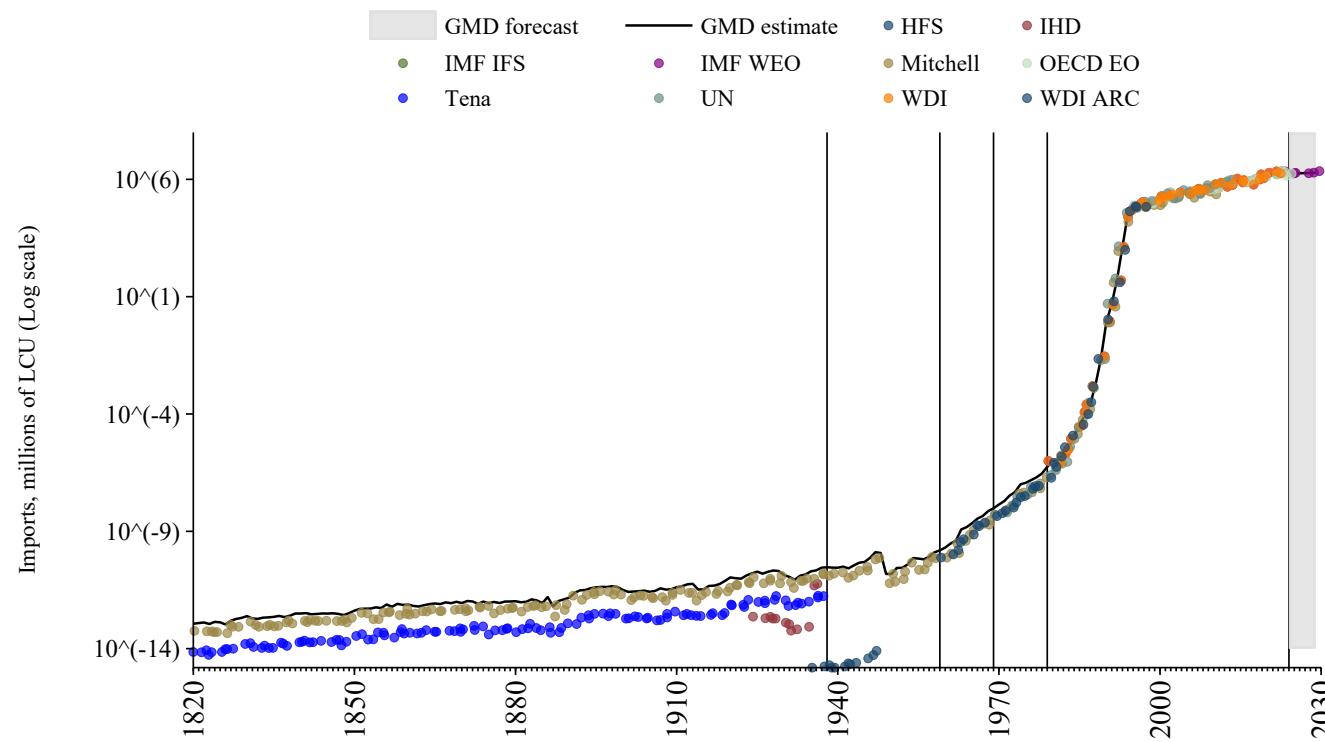
Government tax revenue to GDP ratio

Source	Time span	Notes
Mitchell (2013)	1900 - 1979	Spliced using overlapping data in 1980. Data refers to central government.
World Bank (Archives) (1999)	1980 - 1994	Spliced using overlapping data in 1995. Data refers to central government.
Cox and Dincecco (2021)	1995 - 2009	Spliced using overlapping data in 2010. Data refers to general government.
World Bank (2024)	2010 - 2023	Baseline source, overlaps with base year 2018. Data refers to central government.



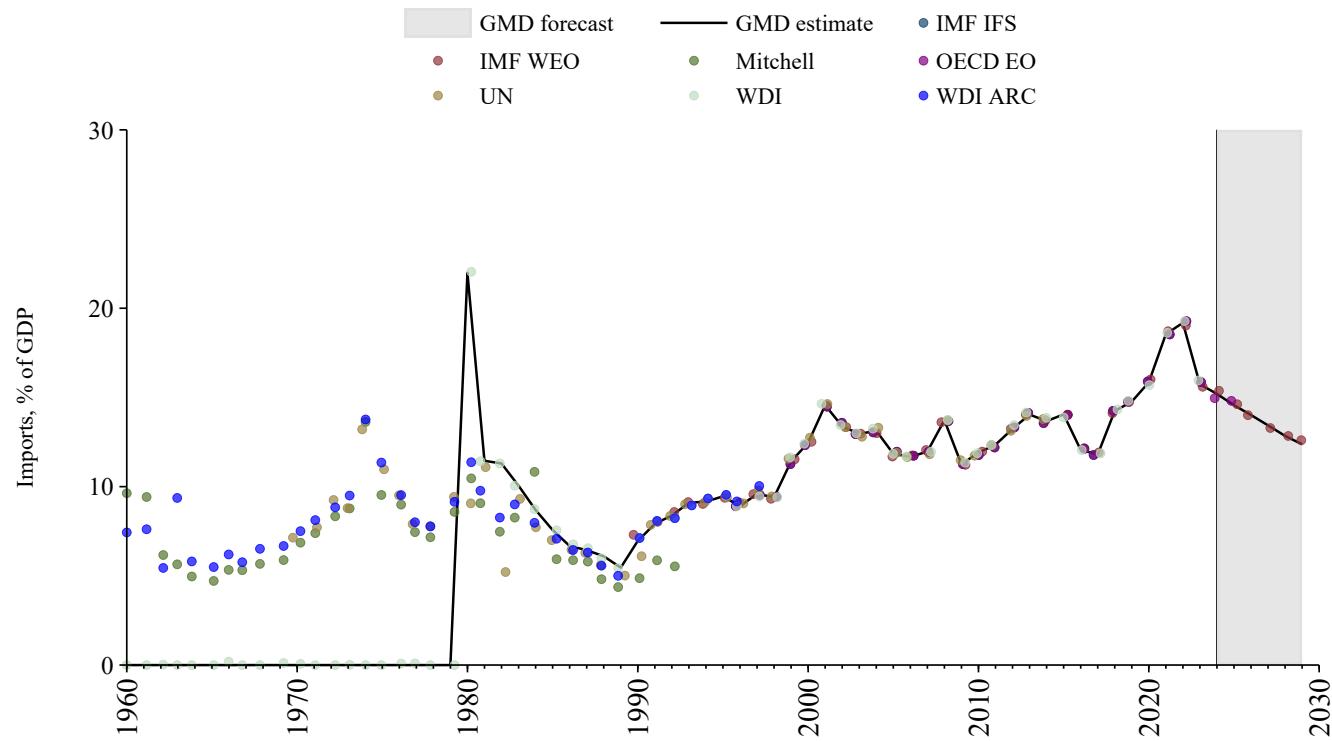
Imports

Source	Time span	Notes
Federico and Tena-Junguito (2019)	1820 - 1938	Spliced using overlapping data in 1939: (ratio = 1591.5%)..
Mitchell (2013)	1939 - 1959	Spliced using overlapping data in 1960: (ratio = 206.3%)..
World Bank (Archives) (1999)	1960 - 1969	Spliced using overlapping data in 1970: (ratio = 264%)..
United Nations (2024)	1970 - 1979	Spliced using overlapping data in 1980: (ratio = 277.8%)..
World Bank (2024)	1980 - 2023	Baseline source, overlaps with base year 2018.
WEO (2024)	2024 - 2029	Spliced using overlapping data in 2030.



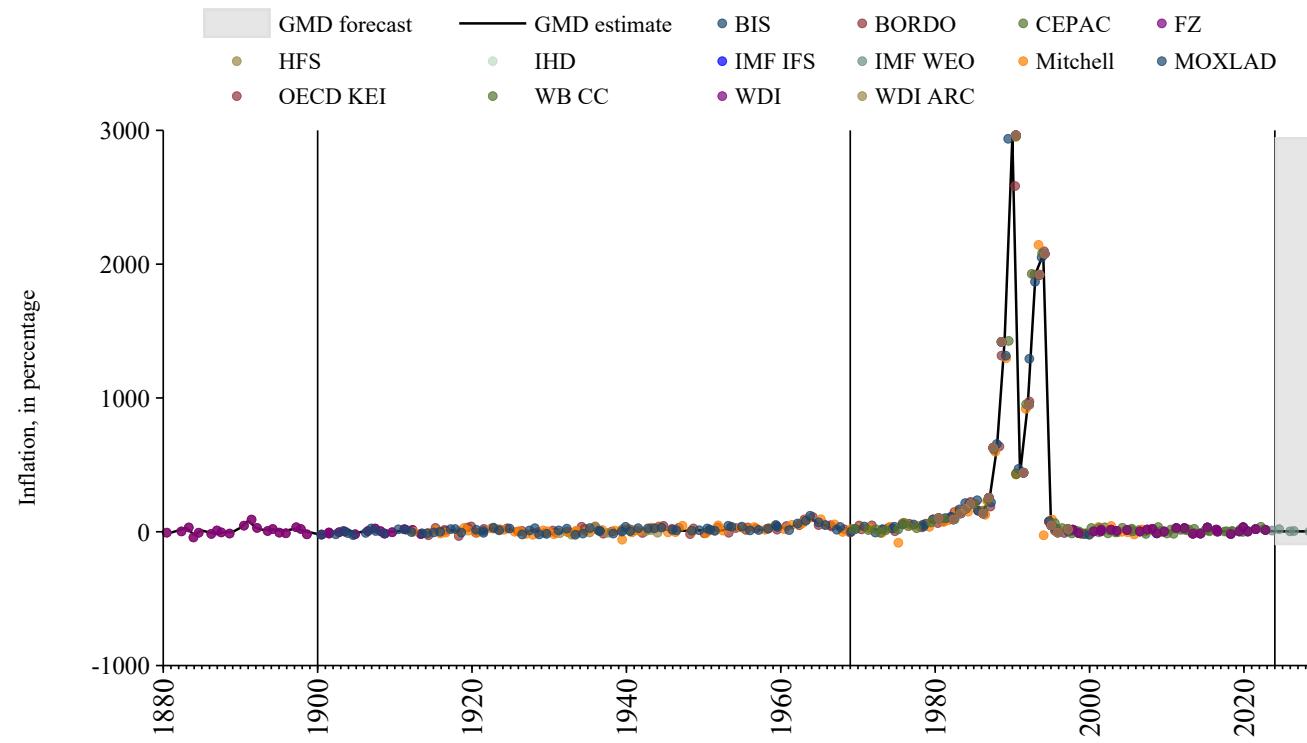
Imports to GDP ratio

Source	Time span	Notes
World Bank (2024)	1960 - 2023	Baseline source, overlaps with base year 2018.
WEO (2024)	2024 - 2029	Spliced using overlapping data in 2030.



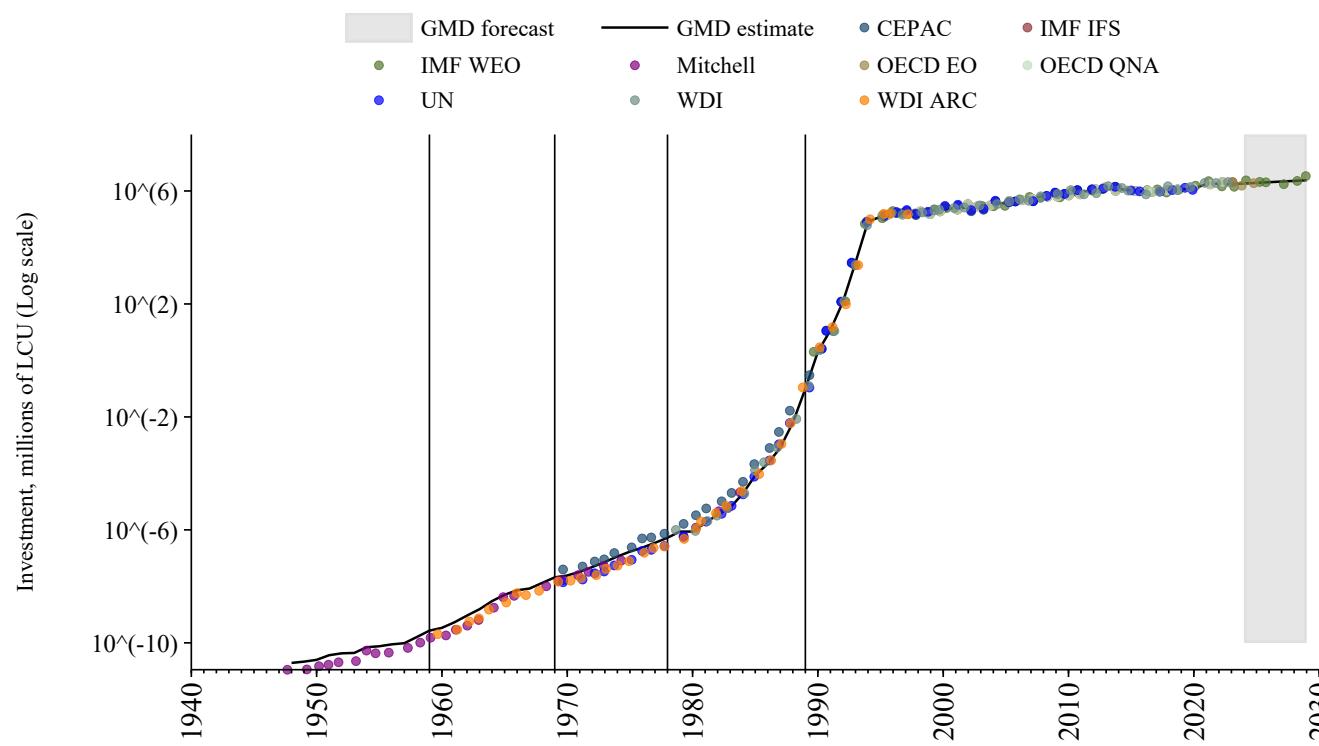
Inflation

Source	Time span	Notes
Bordo et al. (2001)	1881 - 1900	Spliced using overlapping data in 1901.
Bértola and Rey (2018)	1901 - 1969	Spliced using overlapping data in 1970.
Ha et al. (2023)	1970 - 2023	Baseline source, overlaps with base year 2018.
WEO (2024)	2024 - 2029	Spliced using overlapping data in 2030.



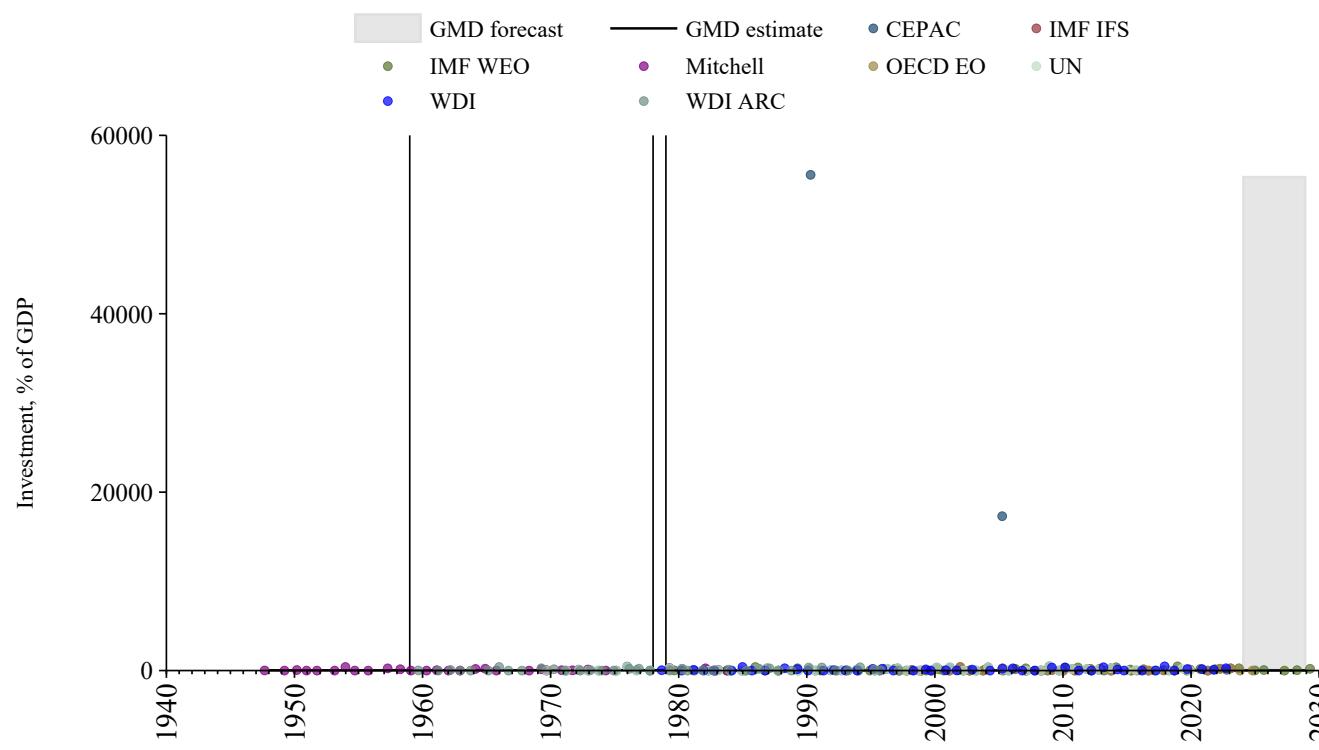
Investment

Source	Time span	Notes
Mitchell (2013)	1948 - 1959	Spliced using overlapping data in 1960: (ratio = 173.7%)..
World Bank (Archives) (1999)	1960 - 1969	Spliced using overlapping data in 1970: (ratio = 167.6%)..
United Nations (2024)	1970 - 1978	Spliced using overlapping data in 1979: (ratio = 173.6%)..
World Bank (2024)	1979 - 1989	Spliced using overlapping data in 1990: (ratio = 87.1%)..
WEO (2024)	1990 - 2029	Baseline source, overlaps with base year 2018.



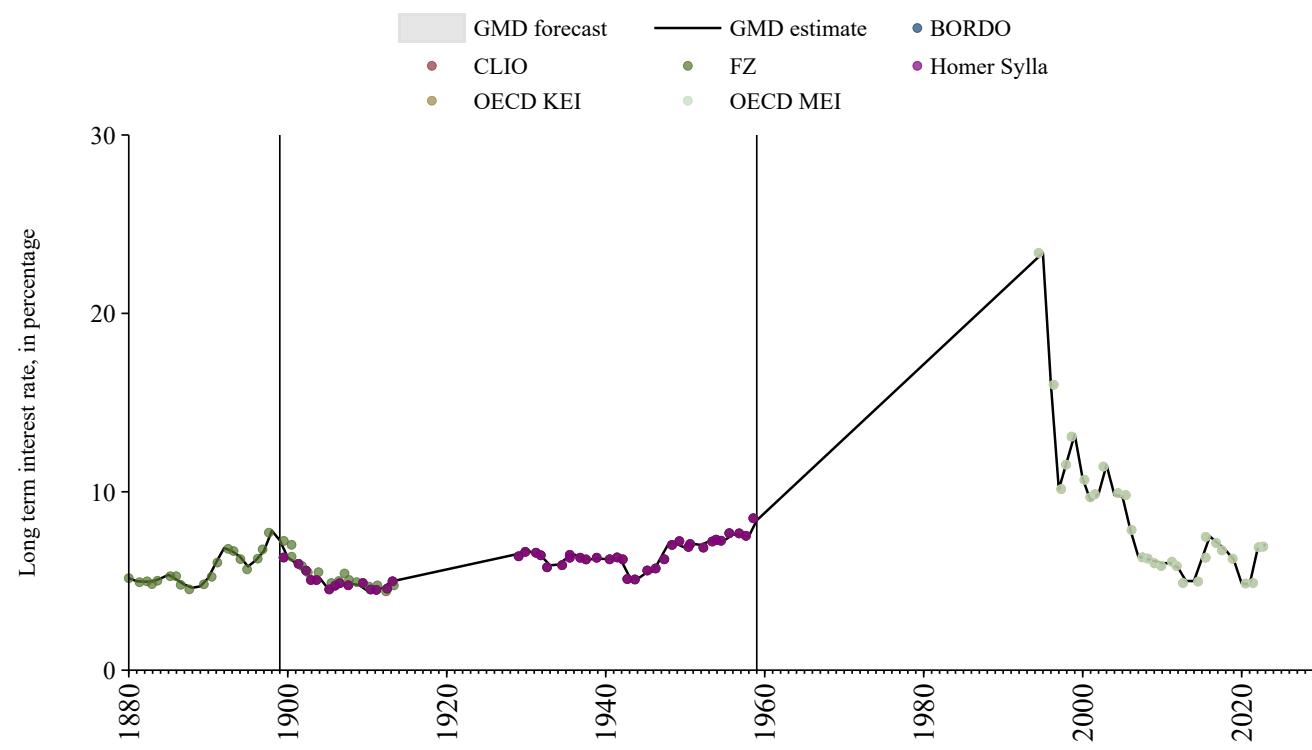
Investment to GDP ratio

Source	Time span	Notes
Mitchell (2013)	1948 - 1959	Spliced using overlapping data in 1960: (ratio = 200.8%)..
World Bank (Archives) (1999)	1960 - 1978	Spliced using overlapping data in 1979: (ratio = 196.2%)..
World Bank (2024)	1979 - 1979	Spliced using overlapping data in 1980: (ratio = 97%)..
WEO (2024)	1980 - 2029	Baseline source, overlaps with base year 2018.



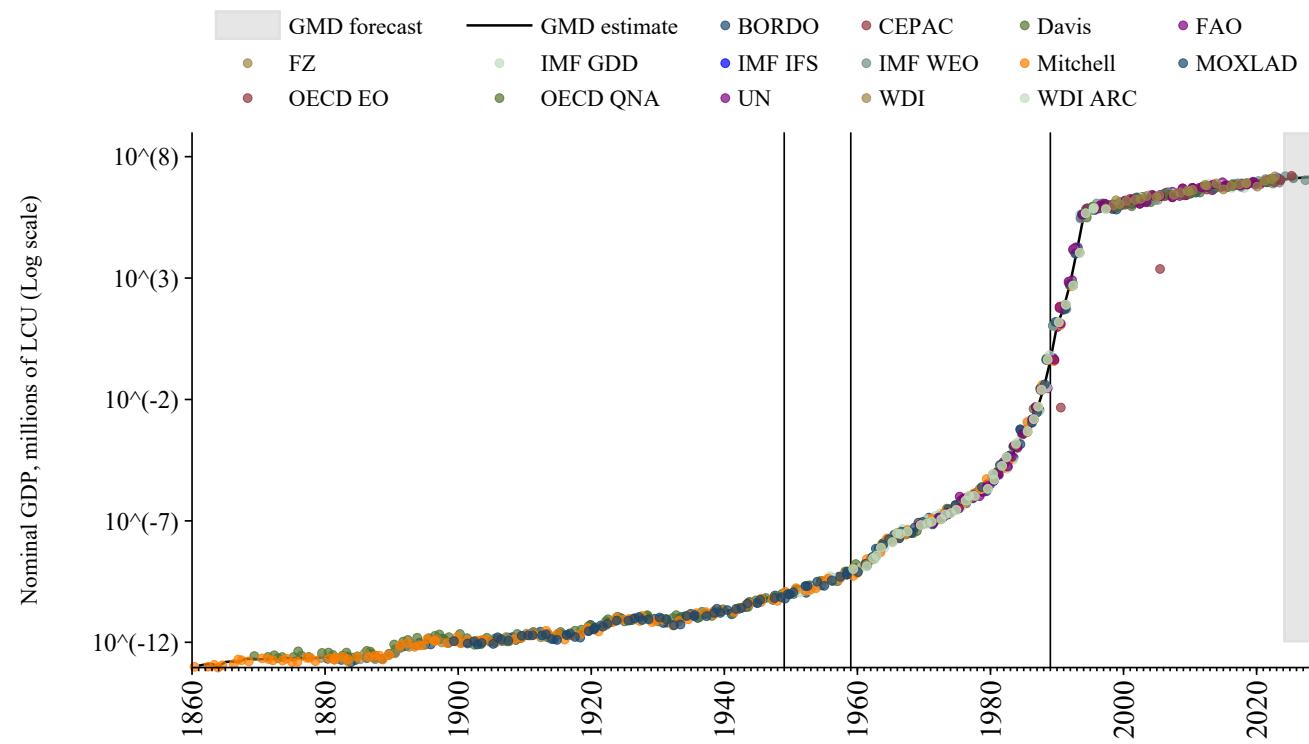
Long term interest rate

Source	Time span	Notes
Flandreau and Zumer (2009)	1880 - 1899	Spliced using overlapping data in 1900.
Bordo et al. (2001)	1900 - 1959	Spliced using overlapping data in 1960.
OECD (2024)	1960 - 2023	Baseline source, overlaps with base year 2018.



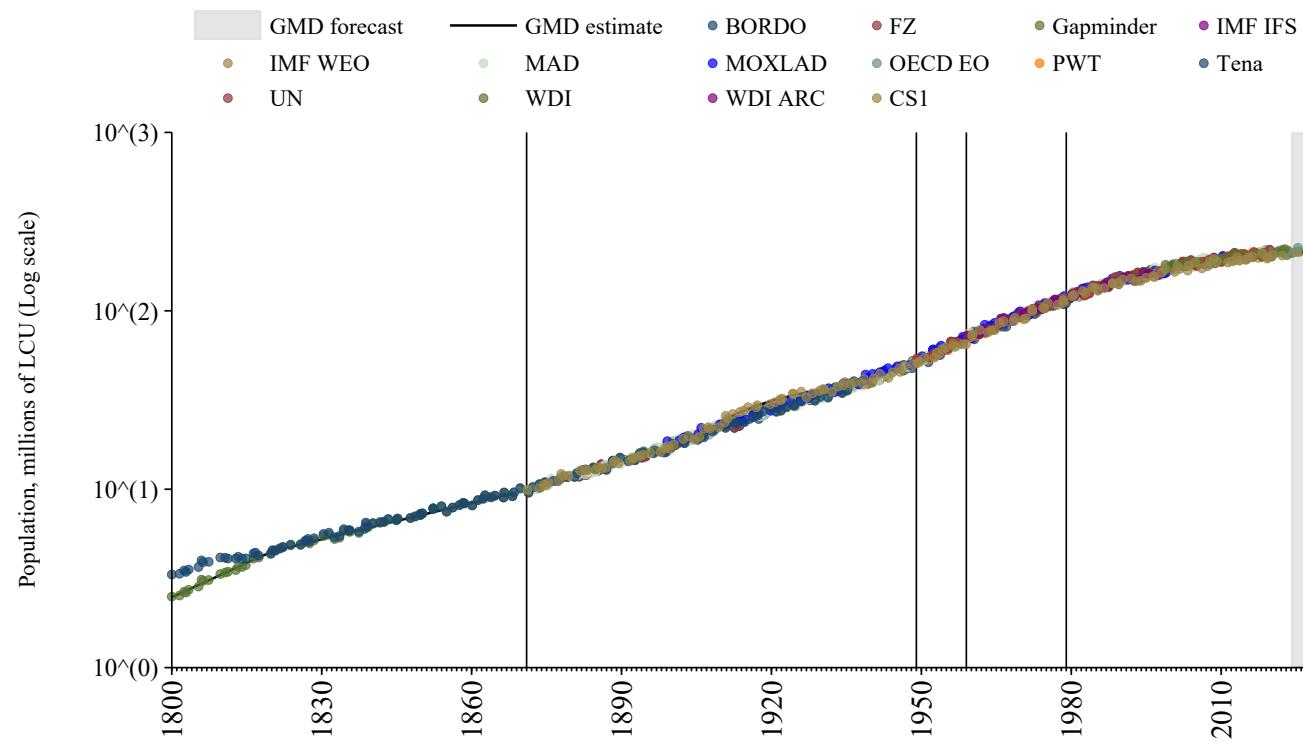
Nominal GDP

Source	Time span	Notes
Mitchell (2013)	1861 - 1949	Spliced using overlapping data in 1950: (ratio = 111.4%)..
Mbaye et al. (2018)	1950 - 1959	Spliced using overlapping data in 1960: (ratio = 107.1%)..
World Bank (2024)	1960 - 1989	Spliced using overlapping data in 1990: (ratio = 95.2%)..
WEO (2024)	1990 - 2029	Baseline source, overlaps with base year 2018.



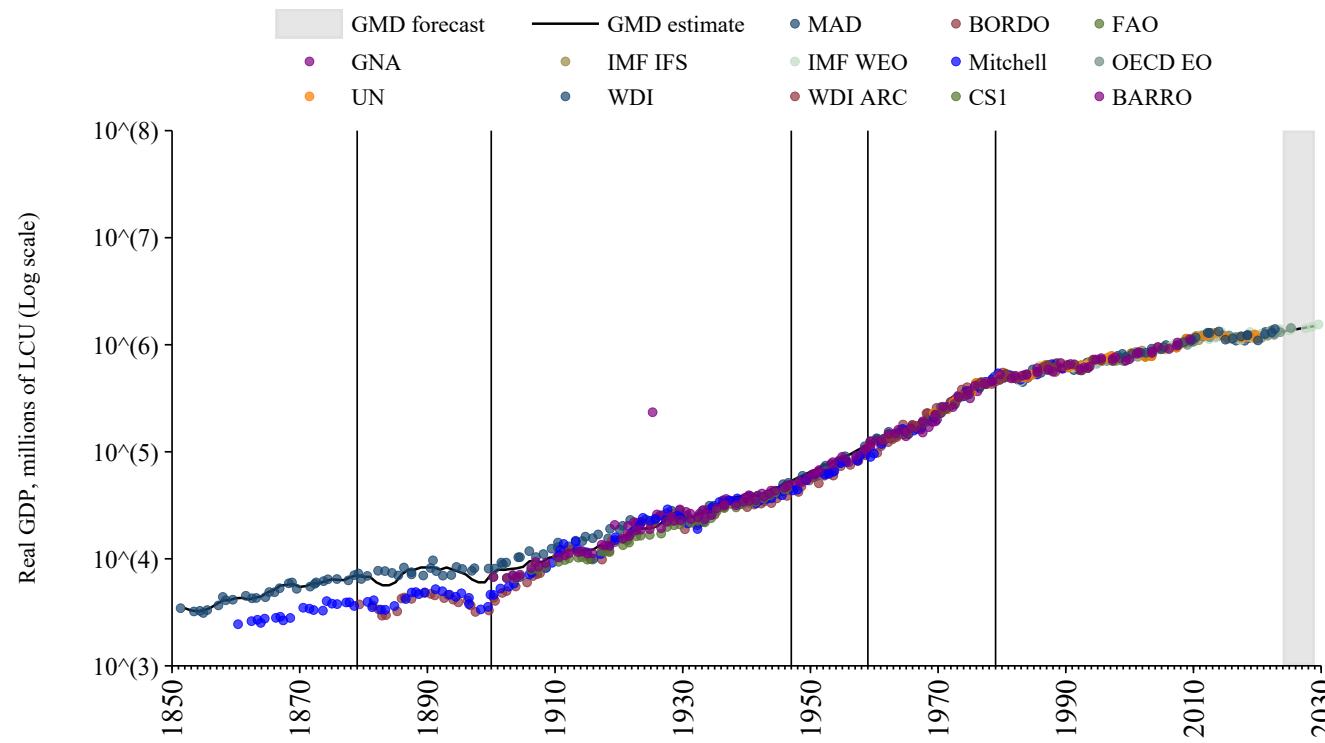
Population

Source	Time span	Notes
Gapminder (2024)	1800 - 1871	Spliced using overlapping data in 1872: (ratio = 99.2%)..
de Pesquisa Econômica Aplicada (2024)	1872 - 1949	Spliced using overlapping data in 1950: (ratio = 101.9%)..
International Monetary Fund (2024b)	1950 - 1959	Spliced using overlapping data in 1960: (ratio = 98.1%)..
World Bank (2024)	1960 - 1979	Spliced using overlapping data in 1980: (ratio = 97.8%)..
WEO (2024)	1980 - 2029	Baseline source, overlaps with base year 2018.
Gapminder (2024)	2030 - 2030	Spliced using overlapping data in 2031.



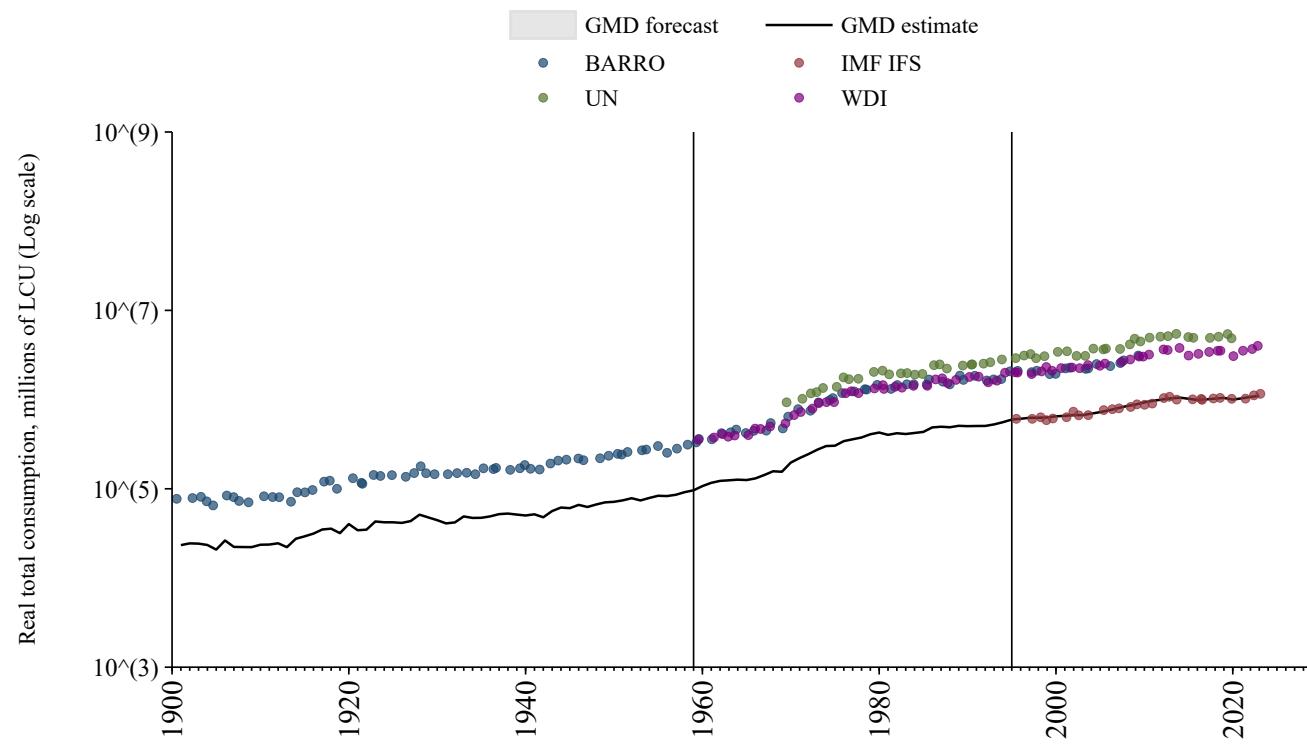
Real GDP

Source	Time span	Notes
Bolt et al. (2018)	1852 - 1879	Spliced using overlapping data in 1880: (ratio = 99.9%)..
Bordo et al. (2001)	1880 - 1900	Spliced using overlapping data in 1901: (ratio = 181.1%)..
de Pesquisa Econômica Aplicada (2024)	1901 - 1947	Spliced using overlapping data in 1948: (ratio = 116.9%)..
Bordo et al. (2001)	1948 - 1959	Spliced using overlapping data in 1960: (ratio = 127.2%)..
World Bank (2024)	1960 - 1979	Spliced using overlapping data in 1980: (ratio = 100.7%)..
WEO (2024)	1980 - 2029	Baseline source, overlaps with base year 2018.



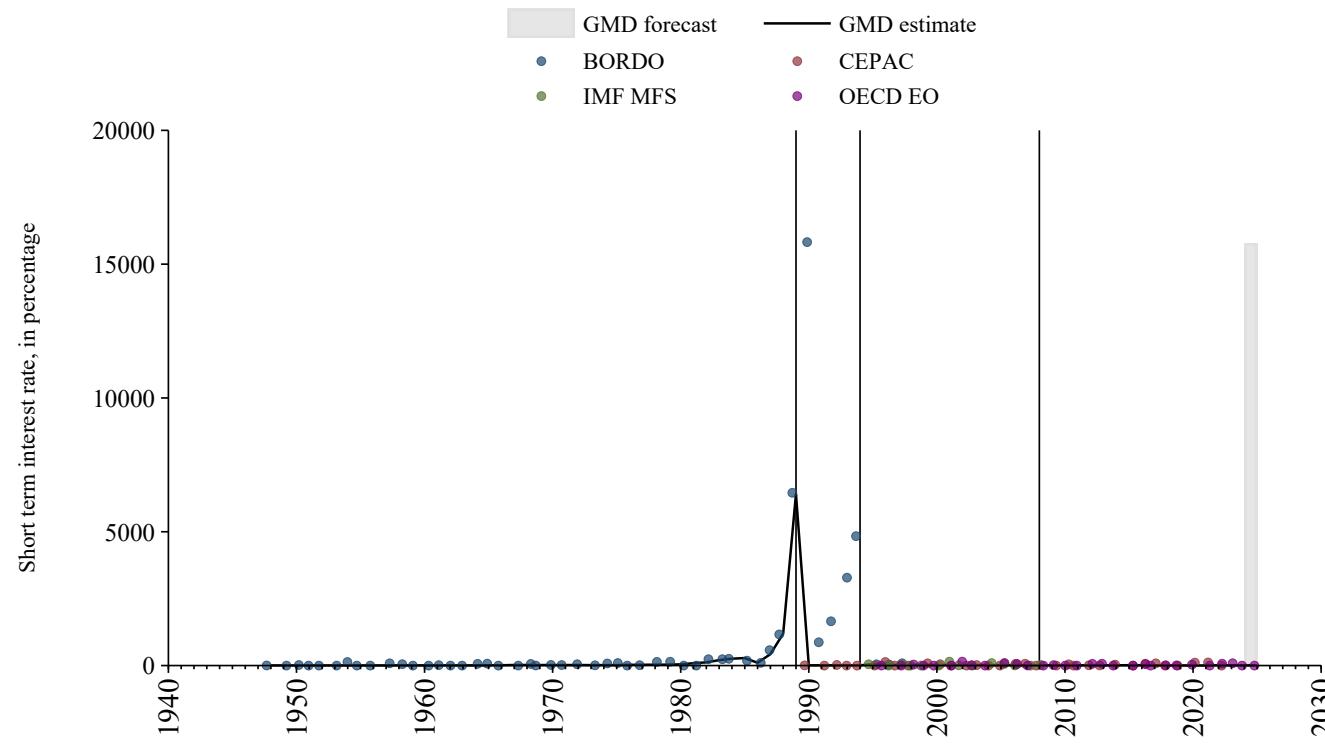
Real total consumption

Source	Time span	Notes
Barro and Redlick (2011)	1901 - 1959	Spliced using overlapping data in 1960: (ratio = 30.2%)..
World Bank (2024)	1960 - 1995	Spliced using overlapping data in 1996: (ratio = 30.2%)..
International Monetary Fund (2024b)	1996 - 2023	Baseline source, overlaps with base year 2018.



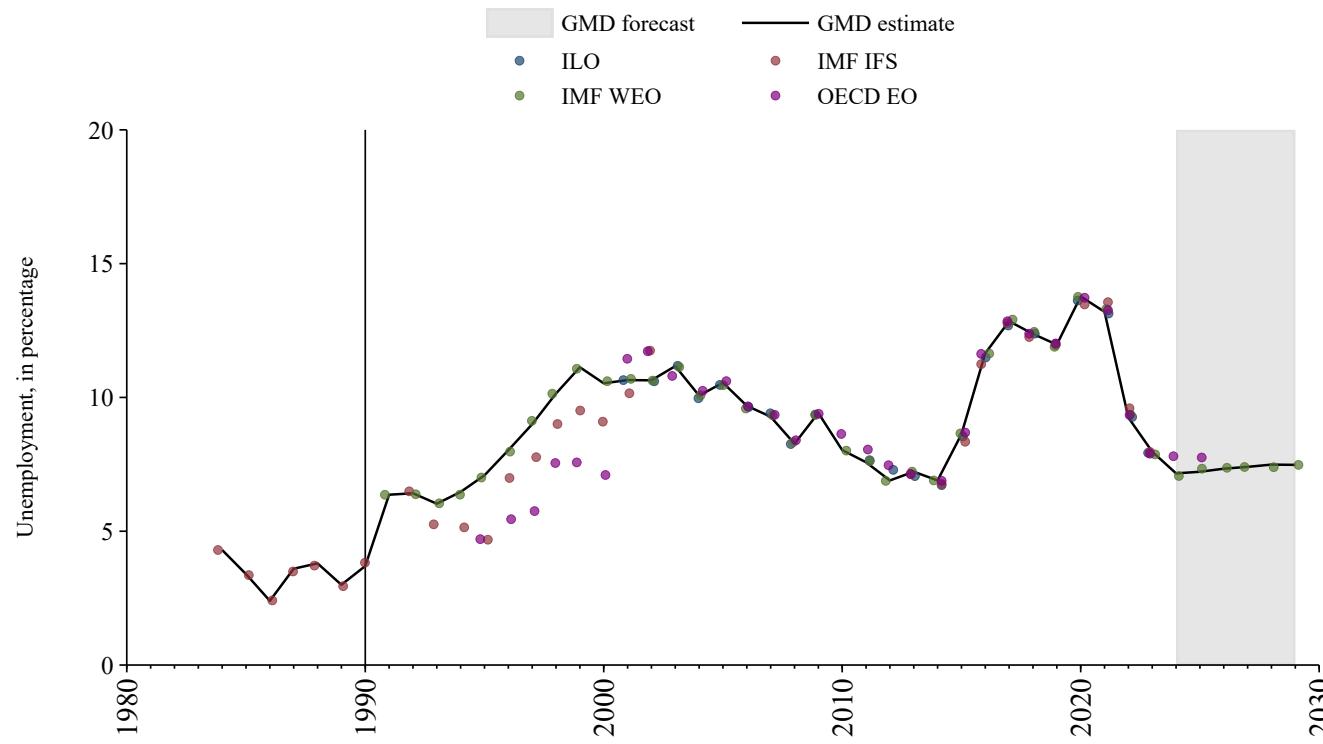
Short term interest rate

Source	Time span	Notes
Bordo et al. (2001)	1948 - 1989	Spliced using overlapping data in 1990.
Economic Commission for Latin America and the Caribbean (2024)	1990 - 1994	Spliced using overlapping data in 1995.
International Monetary Fund (2024c)	1995 - 2008	Spliced using overlapping data in 2009.
OECD Economic Outlook (2024)	2009 - 2025	Baseline source, overlaps with base year 2018.



Unemployment

Source	Time span	Notes
International Monetary Fund (2024b)	1984 - 1990	Spliced using overlapping data in 1991.
WEO (2024)	1991 - 2029	Baseline source, overlaps with base year 2018.



References

References

- Bank for International Settlements (2024).
- Barro, R. J. and C. J. Redlick. “Macroeconomic Effects from Government Purchases and Taxes.” *The Quarterly Journal of Economics*, 126(2011), 51–102. Accessed: 2024-05-04.
- Bolt, Jutta, Robert Inklaar, Herman de Jong, and Jan Luiten van Zanden. “Rebasing ‘Maddison’: New Income Comparisons and the Shape of Long-run Economic Development.” *Maddison Project Working Paper 10*, Maddison Project (2018). Accessed: 2024-04-04.
- Bordo, M., B. Eichengreen, D. Klingebiel, and M. S. Martinez-Peria. “Is the Crisis Problem Growing More Severe?” *Economic Policy*, 16(2001), 52–82.
- Bértola, Luis and María Rey. “The Montevideo-Oxford Latin American Economic History Database (MOxLAD): Origins, Contents and Sources.” *Economic History of Developing Regions*, 33(2018), 209–224.
- Cox, Gary W and Mark Dincecco. “The Budgetary Origins of Fiscal-military Prowess.” *The Journal of Politics*, 83(2021), 851–866.
- Darvas, Zsolt. “Timely Measurement of Real Effective Exchange Rates.” Working Paper 2021/15, Bruegel (2021).
- de Pesquisa Econômica Aplicada, Instituto. “IPEA data.” (2024). Accessed on: October 8, 2024.
- Economic Commission for Latin America and the Caribbean. “Economic Commission for Latin America and the Caribbean.” (2024). Accessed: 2024-06-18.
- Federico, Giovanni and Antonio Tena-Junguito. “World Trade, 1800-1938: a New Synthesis.” *Revista de Historia Económica-Journal of Iberian and Latin America Economic History*, 37(2019).
- Flandreau, Marc and Frédéric Zumer. *The Making of Global Finance 1880-1913* (2009). Accessed: 2024-06-24.
- Gapminder. “Gapminder: Total Population.” (2024). Accessed: 2024-08-14.
- Grimm, Maximilian. “The Effect of Monetary Policy on Systemic Bank Funding Stability.” (2024).
- Ha, Jongrim, M. Ayhan Kose, and Franziska Ohnsorge. “One-Stop Source: A Global Database of Inflation.” *Journal of International Money and Finance*, 137(2023), 102896.
- Homer, S. and R.E. Sylla. *A History of Interest Rates*. Rutgers University Press (1996).
- International Monetary Fund. “A Historical Public Debt Database.” IMF Working Papers 2010/245, International Monetary Fund (2010).
- . “Government Finance Statistics.” (2024a).

- . “International Financial Statistics.” (2024b).
- . “Monetary and Financial Statistics.” (2024c).
- Mauro, Paolo, Rafael Romeu, Ariel Binder, and Asad Zaman. “A modern history of fiscal prudence and profligacy.” *Journal of Monetary Economics*, 76(2015), 55–70.
- Mbaye, S., M. Moreno-Badia, and K. Chae. “Global Debt Database: Methodology and Sources.” IMF Working Papers 2018/111, International Monetary Fund (2018).
- Mitchell, Brian. *International Historical Statistics*. International Historical Statistics. Palgrave Macmillan London, 1 edition (2013).
- OECD. “OECD Main Economic Indicators Data.” (2024). Accessed on 2024-07-04.
- OECD Economic Outlook. “OECD Economic Outlook Data.” (2024). Accessed on 2024-06-05.
- Reinhart, Carmen M. and Kenneth S. Rogoff. “Debt-to-GDP Ratios Dataset.” (2010). Historical debt-to-GDP ratios for 70 countries.
- Schuler, Kurt. “Establishing an International Data Archive on Free Banking.” Studies in Applied Economics 24, The Johns Hopkins Institute for Applied Economics, Global Health, and the Study of Business Enterprise (2015).
- United Nations. “World Population Prospects 2024, Online Edition.” (2024). Accessed: 2024-02-02.
- WEO. “World Economic Outlook Database.” (2024). Accessed: 2024-08-05.
- World Bank. “World Development Indicators.” (2024). Accessed: 2024-04-21.
- World Bank (Archives). “World Development Indicators.” (1999). Accessed: 2024-07-21.