

## APPENDIX A.1 MACROECONOMIC TIME SERIES

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This appendix covers the macroeconomic time series used; a separate appendix (appendix A.2) is devoted to the database on government debt.

### Abbreviations of Frequently Used Sources and Terms

Additional sources are listed in the tables that follow.

BNB	Banque Nationale de Belgique
DIA	Díaz et al. (2005)
ESFDB	European State Finance Database
GDF	World Bank, <i>Global Development Finance</i> (various issues)
GFD	Global Financial Data
GNI	Gross national income
GPIHG	Global Price and Income History Group
IFS	International Monetary Fund, <i>International Financial Statistics</i> (various issues)
II	<i>Institutional Investor</i>
IISH	International Institute of Social History
KRV	Kaminsky, Reinhart, and Végh (2003)
Lcu	local currency units
MAD	Maddison (2004)
MIT	Mitchell (2003a, 2003b)
NNP	Net national product

OXF	Oxford Latin American Economic History Database
RR	Reinhart and Rogoff (years as noted)
TED	Total Economy Database
WEO	International Monetary Fund, <i>World Economic Outlook</i> (various issues)

**TABLE A.1.1**  
Prices: Consumer or cost-of-living indexes (unless otherwise noted)

Country	Period covered	Sources	Commentary
Algeria	1869–1884 1938–2007	Hoffman et al. (2002) GFD, WEO	Wheat prices
Angola	1914–1962 1991–2007	MIT WEO	
Argentina	1775–1812 1864–1940 1884–1913 1900–2000 1913–2000 1913–2007	Garner (2007) Williamson (1999) Flandreau and Zumer (2004) OXF DIA GFD, WEO	Buenos Aires only
Australia	1818–1850  1850–1983 1861–2007	Butlin (1962), Vanplew (1987), GPIHG Shergold (1987), GPIHG GFD, WEO	New Wales, food prices  Sydney, food
Austria	1440–1800 1800–1914 1880–1913 1919–2007	Allen (2001) Hoffman et al. (2002) Flandreau and Zumer (2004) GFD, WEO	Vienna Wheat prices
Belgium	1462–1913 1835–2007	Allen (2001) GFD, WEO	Antwerp
Bolivia	1936–2007	GFD, WEO	
Brazil	1763–1820 1830–1937 1861–2000 1912–2007	Garner (n.d.) Williamson (1999) DIA GFD, WEO	Rio de Janeiro only Rio de Janeiro only

TABLE A.1.1 Continued

Country	Period covered	Sources	Commentary
Canada	1867–1975 1910–2007	Statistics Canada (StatCan) GFD, WEO	
Central African Republic	1956–1993 1980–2007	MIT WEO	
Chile	1754–1806 1810–2000 1900–2000 1913–2007	Garner (2007) DIA OXF GFD, WEO	Santiago only
China	1644–2000 1867–1935 1926–1948 1978–2007	Lu and Peng (2006) Hsu GFD, WEO	Rice prices Wholesale prices
Colombia	1863–1940 1900–2000 1923–2007	Williamson (1999) OXF GFD, WEO	
Costa Rica	1937–2007	GFD, WEO	
Côte d'Ivoire	1951–2007	GFD, WEO	
Denmark	1748–1800 1815–2007	Hoffman et al. (2002) GFD, WEO	Wheat prices
Dominican Republic	1942–2000 1980–2007	OXF WEO	
Ecuador	1939–2007	GFD, WEO	
Egypt	1859–1941 1913–2007 1915–1999	Williamson (2000a) GFD, WEO GFD	
El Salvador	1937–2000 1980–2007	OXD WEO	
Finland	1860–2001 1980–2007	Finnish Historical National Accounts WEO	
France	1431–1786 1840–1913 1807–1935 1840–2007	Allen (2001) Dick and Floyd (1997) GFD, WEO	Retail prices

(continued)

TABLE A.1.1 Continued

Country	Period covered	Sources	Commentary
Germany	1427–1765	Allen (2001)	Munich
	1637–1855	Hoffman et al. (2002)	Wheat prices
	1820–2007	GFD, WEO	
Greece	1833–1938	Kostelenos et al. (2007)	GDP deflator
	1922–2007	GFD, WEO	
Ghana	1949–2007	GFD, WEO	
Guatemala	1938–2000	OXD	
	1980–2007	WEO	
Honduras	1938–2000	OXD	
	1980–2007	WEO	
Hungary	1923–2007	GFD, WEO	
India	1866–2000	DIA	
	1873–1939	Williamson (2000b)	
	1913–2007	GFD, WEO	
Indonesia	1820–1940	Williamson (2000b)	
	1948–2007	GFD, WEO	
Italy	1548–1645	Allen (2001)	Naples
	1734–1806		
	1701–1860	deMaddalena (1974)	Wheat prices, Milan
	1861–2007	GFD, WEO	
Korea	1690–1909	Jun and Lewis (2002)	Rice prices in the southern region of Korea
	1906–1939	Williamson (2000b)	
Japan	1948–2007	GFD, WEO	
	1600–1650	Kimura (1987)	Rice prices, Osaka
	1818–1871	Bassino and Ma (2005)	Rice prices, Osaka
	1860–1935	Williamson (2000b)	
	1900–2007	GFD, WEO	
Kenya	1947–2007	GFD, WEO	
Malaysia	1948–2007	GFD, WEO	
Mauritius	1946–2007	GFD, WEO	

TABLE A.1.1 Continued

Country	Period covered	Sources	Commentary
Mexico	1786–1821	Garner (2007)	Zacatecas
	1877–1940	Williamson (1999)	
	1918–2007	GFD, WEO	
Morocco	1939–2007	GFD, WEO	
Myanmar (Burma)	1870–1940	Williamson (2000b)	
	1939–2007	GFD, WEO	
The Netherlands	1500–1800	Van Zanden (2005)	
	1800–1913	Van Riel (2009)	
	1880–2007	GFD, WEO	
New Zealand	1857–2004	Statistics New Zealand	
	1980–2007	WEO	
Nicaragua	1937–2007	GFD, WEO	
Nigeria	1953–2007	GFD, WEO	
Norway	1516–2005	Grytten (2008)	
	1980–2007	WEO	
Panama	1939–2000	OXD	
	1980–2007	WEO	
Paraguay	1938–2007	GFD, WEO	
	1750–1816	Garner (2007)	Potosi
Peru	1790–1841	Garner (2007)	Lima
	1800–1873	DIA	
	1913–2000		
	1980–2007	WEO	
The Philippines	1899–1940	Williamson (2000b)	
	1937–2007	GFD, WEO	
Poland	1701–1815	Hoffman et al. (2002)	Oat prices, Warsaw Warsaw
	1816–1914	Allen (2001)	
	1921–1939	GFD, WEO	
	1983–2007		
Portugal	1728–1893	Hoffman et al. (2002)	Wheat prices
	1881–1997	Bordo et al. (2001)	
	1980–2007	WEO	

*(continued)*

TABLE A.1.1 Continued

Country	Period covered	Sources	Commentary
Romania	1779–1831	Hoffman et al. (2002)	Wheat prices, Wallachia
	1971–2007	WEO	
Russia	1853–1910	Borodkin (2001)	Wheat and rye flour prices, St. Petersburg
	1880–1913	Flandreau and Zumer (2004)	
	1917–1924	GFD, WEO	
	1927–1940		
	1944–1972		
	1991–2007		
Singapore	1948–2007	GFD, WEO	
South Africa	1895–2007	GFD, WEO	
Spain	1500–1650	Hamilton (1969)	Valencia Prices of wheat, eggs, and linen
	1651–1800	Hoffman et al. (2002)	
	1800–2000	DIA	
	1980–2000	WEO	
Sri Lanka	1939–2007	GFD, WEO	
Sweden	1732–1800	Hoffman et al. (2002)	Wheat prices
	1800–2000	Edvinsson (2002)	
	1980–2007	WEO	
Taiwan	1897–1939	Williamson (2000b)	
	1980–2007	WEO	
Thailand (Siam)	1820–1941	Williamson (2000b)	
	1948–2007	GFD, WEO	
Tunisia	1939–2007	GFD, WEO	
Turkey	1469–1914	Pamuk (2005)	Istanbul
	1854–1941	Williamson (2000a)	
	1922–2007	GFD, WEO	
United Kingdom	1450–1999	Van Zanden (2002)	Southern England
	1781–2007	GFD, WEO	
United States	1720–1789	Carter et al. (2006)	Wholesale prices

TABLE A.1.1 Continued

Country	Period covered	Sources	Commentary
	1774–2003	Carter et al. (2006)	
	1980–2007	WEO	
Uruguay	1870–1940	Williamson (1999)	
	1929–2000	OXF	
	1980–2007	WEO	
Venezuela	1830–2002	Baptista (2006)	
	1914–2007	GFD, WEO	
Zambia	1938–2007	GFD, WEO	
Zimbabwe	1920–1970	MIT	
	1930–2007	GFD, WEO	

TABLE A.1.2

Modern nominal exchange rates (domestic currency units per U.S. dollar and other currencies noted)

Country	Period covered	Source	Other relevant rates
Algeria	1831–2007	GFD, IFS	French franc, euro
Angola	1921–2007	GFD, IFS	
Argentina	1880–1913	Flandreau and Zumer (2004)	French franc
	1885–2007	GFD, IFS	
Australia	1835–2007	GFD, IFS	U.K. pound
Austria	1814–2007	GFD, IFS	U.K. pound, German mark
Belgium	1830–2007	GFD, IFS	French franc
Bolivia	1863–2007	GFD, IFS	
Brazil	1812–2007	GFD, IFS	U.K. pound
Canada	1858–2007	GFD, IFS	U.K. pound

*(continued)*

TABLE A.1.2 Continued

Country	Period covered	Source	Other relevant rates
Central African Republic	1900–2007	GFD, IFS	French franc
Chile	1830–1995 1878–2007	Braun et al. (2000) GFD, IFS	U.K. pound
China	1848–2007	GFD, IFS	U.K. pound
Colombia	1900–2000 1919–2007	OXF GDE, IFS	U.K. pound
Costa Rica	1921–2007	GDE, IFS	
Denmark	1864–2007	GDE, IFS	U.K. pound, German mark
Dominican Republic	1905–2007	GDE, IFS	
Ecuador	1898–2000 1980–2007	OXF, Pick (various years) IFS	
Egypt	1869–2007	GFD, IFS	U.K. pound
El Salvador	1870–2007	GFD, IFS	
Finland	1900–2007	GFD, IFS	German mark
France	1619–1810 1800–2007	ESFDB, Course of the Exchange GFD, IFS	U.K. pound U.K. pound, German mark
Germany	1698–1810 1795–2007	ESFDB, Course of the Exchange GFD, IFS	U.K. pound
Greece	1872–1939 1901–2007	Lazaretou (2005) GFD, IFS	U.K. pound, German mark
Guatemala	1900–2007	GFD, IFS	
Honduras	1870–2007	GFD, IFS	
Hungary	1900–2007	GFD, IFS	Austrian schilling
India	1823–2007	GFD, IFS	U.K. pound
Indonesia	1876–2007	GFD, IFS	Dutch guilder

TABLE A.1.2 Continued

Country	Period covered	Source	Other relevant rates
Italy	1816–2007	GFD, IFS	U.K. pound, German mark
Japan	1862–2007	GFD, IFS	U.K. pound
Kenya	1898–2007	GFD, IFS	U.K. pound
Korea	1905–2007	GFD, IFS	Japanese yen
Malaysia	1900–2007	GFD, IFS	U.K. pound
Mauritius	1900–2007	GFD, IFS	U.K. pound
Mexico	1814–2007	GFD, IFS	U.K. pound, French franc
	1823–1999	GFD	
Morocco	1897–2007	GFD, IFS	French franc, euro
Myanmar (Burma)	1900–2007	GFD, IFS	U.K. pound
The Netherlands	1698–1810	ESFDB, Course of the Exchange	U.K. pound
	1792–2007	GFD, IFS	German mark
New Zealand	1892–2007	GFD, IFS	U.K. pound
Nicaragua	1912–2007	GFD, IFS	
Nigeria	1900–2007	GFD, IFS	U.K. pound
Norway	1819–2007	GFD, IFS	Swedish krona, German mark
Panama	1900–2007	GFD, IFS	
Paraguay	1900–2000 1980–2007	OXD IFS	Argentine peso
Peru	1883–2007	GFD, IFS	U.K. pound
The Philippines	1893–2007	GFD, IFS	Spanish peseta
Poland	1916–2007	GFD, IFS	
Portugal	1750–1865 1794–2007	Course of the Exchange GDF, IFS	Dutch grooten U.K. pound, German mark

*(continued)*

TABLE A.1.2 Continued

Country	Period covered	Source	Other relevant rates
Romania	1814–2007	GFD	
	1900–2000	OXE, IFS	
	1921–2007	GDE, IFS	
Singapore	1834–2007	GFD, IFS	U.K. pound
South Africa	1900–2007	GFD, IFS	U.K. pound
Spain	1814–2007	GFD, IFS	German mark
Sri Lanka	1900–2007	GFD, IFS	U.K. pound
Sweden	1814–2007	GDE, IFS	U.K. pound, German mark
Taiwan	1895–2007	GDE, IFS	U.K. pound, Japanese yen
Thailand (Siam)	1859–2007	GFD, IFS	U.K. pound
Tunisia	1900–2007	GFD, IFS	French franc
Turkey	1859–2007	GFD, IFS	U.K. pound
United Kingdom	1619–1810	ESFDB, Course of the Exchange	French franc
	1660–2007	GFD, IFS	
United States	1660–2007	GFD, IFS	
Uruguay	1900–2007	GFD, IFS	
Venezuela	1900–2007	GFD, IFS	
Zambia	1900–2007	GFD, IFS	U.K. pound
Zimbabwe	1900–2007	GFD, IFS	U.K. pound

TABLE A.1.3

Early silver-based exchange rates (domestic currency units per U.K. penny)

Country	Period covered	Source	Currency, commentary
Austria	1371–1860	Allen and Unger (2004)	Kreuzer, Vienna
Belgium	1349–1801	Korthals Altes (1996)	Hoet
France	1258–1789	Allen and Unger (2004)	Livre tournois
Germany	1350–1830	Allen and Unger (2004)	Composite pfennig
Italy	1289–1858	Malanima (n.d.)	Lira fiorentina
Netherlands	1366–1800	Allen and Unger (2004), Van Zanden (2005)	Composite
Portugal	1750–1855	Godinho (1955)	Reis
Russia	1761–1840	Lindert and Mironov (n.d.)	Common ruble
Spain	1351–1809	Allen and Unger (2004)	Composite
Sweden	1523–1573	Söderberg (2004)	Mark ortug
Turkey	1555–1914	Ozmucur and Pamuk (2002)	Akche

**TABLE A.1.4**  
The silver content of currencies

Country	Period covered	Sources	Currency, commentary
Austria	1371–1860	Allen and Unger (2004)	Kreuzer, Vienna
Belgium	1349–1801	Korthals Altes (1996)	Hoet
France	1258–1789	Allen (2001), Allen and Unger (2004)	Livre tournois
Germany	1350–1798	Allen (2001), Allen and Unger (2004)	Pfennig, Frankfurt
	1417–1830	Allen (2001), Allen and Unger (2004)	Pfennig, Augsburg
Italy	1289–1858	Malanima (n.d.)	Lira fiorentina
The Netherlands	1366–1575	Allen and Unger (2004)	Flemish grote
	1450–1800	Van Zanden (2005)	Guilder
Portugal	1750–1855	Godinho (1955)	Reis
Russia	1761–1840	Lindert and Mironov (n.d.)	Common ruble
	1761–1815		Assignatzia
Spain	1351–1650	Allen and Unger (2004)	Dinar, Valencia
	1501–1800		Vellon maravedis, New Castile
	1630–1809	Allen and Unger (2004)	Real
Sweden	1523–1573	Soderberg (2004)	Mark ortug
Turkey	1555–1914	Ozmucur and Pamuk (2002)	Akche
United Kingdom	1261–1918	Allen and Unger (2004)	Penny
United States	1800–1979	Allen and Unger (2004)	Dollar

TABLE A.1.5

Index of nominal and real gross national product and output (domestic currency units)

Country	Period covered	Source	Commentary
Algeria	1950–2007	GFD, WEO, IFS	
Angola	1962–2007	GFD, WEO, IFS	
Argentina	1884–1913	Flandreau and Zumer (2004)	Nominal
	1875–2000	DIA	Index of total production (1995 = 100)
	1900–2000	OXF	Real (base = 1970)
	1900–2007	GFD, WEO	
Australia	1798–2007	GFD, WEO	Nominal
	1820–2000	DIA	Index of total production (1995 = 100)
Belgium	1835–2007	BNB, Centre d'études économiques de la Katholieke Universiteit Leuven	Nominal
Bolivia			
Brazil	1861–2007	GFD, WEO	Nominal
	1850–2000	DIA	Index of total production (1995 = 100)
	1900–2000	OXF	(Base = 1970)
Canada			
Chile	1810–2000	DIA	Index of total production (1995 = 100)
China (NNP)	1962–1999	GFD	
Colombia	1900–2000	OXF	Real (base = 1970)
	1925–1999	GFD	
Costa Rica	1947–1999	GFD	
Côte d'Ivoire			

*(continued)*

TABLE A.1.5 Continued

Country	Period covered	Source	Commentary
Denmark	1818–1975	Nordic Historical National Accounts	
Egypt	1886–1945 1952–2007 1821–1859	Yousef (2002) GFD, WEO Landes (1958)	Cotton output
Finland	1860–2001	Nordic Historical National Accounts	
Greece	1833–1939 1880–1913	Kostelenos et al. (2007) Flandreau and Zumer (2004)	
GNI	1927–1999 1948–1999	GFD GFD	
India	1900–1921 1948–2007 1861–1899 1820–2000	GFD GFD, WEO Brahmananda (2001) DIA	Real, per capita Index of total production
Indonesia	1815–1913 1910–1970 1921–1939 1951–1999 1911–1938 1953–1999	Van Zanden (2006) Bassino and Van der Eng (2006) GFD GFD GFD GFD	Java
Korea	1911–1940	Cha and Kim (2006)	Thousand yen, GNI also calculated
GNI	1953–1999	GFD	
Malaysia	1910–1970 1949–1999	Bassino and Van der Eng (2006) GFD	
Mexico	1820–2000	DIA	Index of total production (1995 = 100)

TABLE A.1.5 Continued

Country	Period covered	Source	Commentary
Mexico ( <i>continued</i> )	1900–2000	OXF	
	1900–2000	OXF	Real (base = 1970)
	1925–1999	GFD	
Myanmar (Burma)	1913–1970	Bassino and Van der Eng (2006)	
	1950–1999	GFD	
The Netherlands	1800–1913	National Accounts of the Netherlands	
Norway	1830–2003	Grytten (2008)	
Peru	1900–2000	OXF	Real (base = 1970)
	1900–2000	OXF	Nominal
	1942–1999	GFD	
The Philippines	1910–1970	Bassino and Van der Eng (2006)	
	1946–1997	GFD, WEO	
Russia GNI	1885–1913	Flandreau and Zumer (2004)	Nominal
	1928–1940	GFD	
	1945–1995	GFD	
	1979–1997	GFD	
	1992–1999	GFD	Production
South Africa	1911–1999	GFD	
Sri Lanka	1900–1970	Bassino and Van der Eng (2006)	
Sweden	1720–2000	Edvinsson (2002)	Real, per capita
	1800–2000	Edvinsson (2002)	Nominal and real
Taiwan	1910–1970	Bassino and Van der Eng (2006)	
Thailand (Siam)	1946–2007	GFD, WEO	
	1910–1970	Bassino and Van der Eng (2006)	
Turkey	1923–2005	GFD	Nominal
	1950–1999	GFD	
United Kingdom	1830–1999	GFD	GNI
	1948–1999	GFD	

*(continued)*

TABLE A.1.5 Continued

Country	Period covered	Source	Commentary
United States	1790–2002 1948–1999	Carter et al. (2006) GFD	Real, per capita
Uruguay	1935–1999 1955–2000 1900–2000	GFD OXF OXF	Real (base = 1970)
GNI	1955–1999	GFD	
Venezuela	1830–2002 1900–2000 1950–2007	Baptista (2006) OXF GFD, WEO	Real (base = 1970)

**TABLE A.1.6**  
Gross national product (PPP in constant dollars)

Country	Period covered	Source	Commentary
Algeria	1950–2005	MAD, TED	Interpolation 1821–1949
	1820–2005	RR (2008a)	
Angola	1950–2005	MAD, TED	
Argentina	1875–2000	DIA	Base = 1996
	1900–2005	MAD, TED	
	1870–2005	RR (2008a)	Interpolation 1871–1899
Australia	1820–2006	MAD, TED	
Austria	1870–2006	MAD, TED	Interpolation 1821–1869
	1820–2006	RR (2008a)	
Belgium	1846–2006	MAD, TED	Interpolation 1821–1845
	1820–2006	RR (2008a)	
Bolivia	1945–2005	MAD, TED	Interpolation 1936–1944
	1936–2005	RR (2008a)	
Brazil	1820–2000	DIA	Base = 1996
	1870–2005	MAD, TED	
	1820–2005	RR (2008a)	Interpolation 1821–1869
Canada	1870–2006	MAD, TED	Interpolation 1821–1869
	1820–2006	RR (2008a)	
Central African Republic	1950–2003	MAD	
Chile	1810–2000	DIA	Base = 1996
	1820–2005	MAD, TED	
China	1929–1938	MAD, TED	
	1950–2006		
Colombia	1900–2005	MAD, TED	
Costa Rica	1920–2005	MAD, TED	
Denmark	1820–2006	MAD, TED	
Dominican Republic	1950–2005	MAD, TED	Interpolation 1942–1949
	1942–2005	RR (2008a)	

*(continued)*

TABLE A.1.6 Continued

Country	Period covered	Source	Commentary
Ecuador	1939–2005	MAD, TED	
	1900–2000	OXF	Base = 1970
	1900–2005	RR (2008a)	Interpolation 1900–1938
Egypt	1950–2005	MAD, TED	
	1820–2005	RR (2008a)	Interpolation 1821–1949
El Salvador	1900–2000	OXF	Base = 1970
Finland	1860–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1859
France	1820–2006	MAD, TED	
Germany	1850–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1849
Greece	1921–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1920
Guatemala	1920–2005	MAD, TED	
Honduras	1920–2005	MAD, TED	
Hungary	1824–2006	MAD, TED	
	1870–2006	RR (2008a)	Interpolation 1871–1923
India	1884–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1883
Indonesia	1870–2005	MAD, TED	
	1820–2005	RR (2008a)	Interpolation 1821–1869
Japan	1870–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1869
Kenya	1950–2005	MAD, TED	
Korea	1911–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1910
Malaysia	1911–2005	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1910
Mauritius	1950–2005	MAD, TED	
Mexico	1900–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1899

TABLE A.1.6 Continued

Country	Period covered	Source	Commentary
Morocco	1950–2005	MAD, TED	Interpolation 1821–1949
	1820–2005	RR (2008a)	
Myanmar (Burma)	1950–2005	MAD, TED	Interpolation 1821–1949
	1820–2005	RR (2008a)	
Panama	1945–2005	MAD, TED	Interpolation 1939–1944
	1939–2005	RR (2008a)	
Paraguay	1939–2005	MAD, TED	
Peru	1895–2005	MAD, TED	
The Philippines	1902–2005	MAD, TED	Interpolation 1871–1901
	1870–2005	RR (2008a)	
Poland	1929–1938	MAD, TED	Interpolation 1871–1928
	1950–2006		
	1870–2005	RR (2008a)	
Portugal	1865–2006	MAD, TED	Interpolation 1821–1864
	1820–2006	RR (2008a)	
Romania	1926–1938	MAD, TED	
	1950–2006		
Russia	1928–2006	MAD, TED	
Singapore	1950–2005	MAD, TED	Interpolation 1821–1949
	1820–2005	RR (2008a)	
South Africa	1950–2005	MAD, TED	Interpolation 1905–1949
	1905–2005	RR (2008a)	
Spain	1850–2006	MAD, TED	Interpolation 1821–1849
	1820–2005	RR (2008a)	
Sweden	1820–2006	MAD, TED	
Thailand (Siam)	1950–2005	MAD, TED	Interpolation 1821–1949
	1820–2005	RR (2008a)	
Tunisia	1950–2005	MAD, TED	Interpolation 1821–1949
	1820–2005	RR (2008a)	
Turkey	1923–2005	MAD, TED	

*(continued)*

TABLE A.1.6 Continued

Country	Period covered	Source	Commentary
United Kingdom	1830–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1829
United States	1870–2006	MAD, TED	
	1820–2006	RR (2008a)	Interpolation 1821–1869
Uruguay	1870–2005	MAD, TED	
Venezuela	1900–2005	MAD, TED	
	1820–2005	RR (2008a)	Interpolation 1821–1899
Zambia	1950–2005	MAD, TED	
Zimbabwe	1950–2005	MAD, TED	
	1919–2005	MAD, TED	

Note: The information is also available on a per capita basis.

TABLE A.1.7

Central government expenditures and revenues  
(domestic currency units unless otherwise noted)

Country	Period covered	Sources	Commentary
Algeria	1834–1960	MIT	Revenues begin in 1830
	1964–1975		
	1994–1996		
	1963–2003	KRV	
Angola	1915–1973	MIT	
	1980–2003	KRV	
Argentina	1864–1999	MIT	
	1880–1913	Flandreau and Zumer (2004)	
	1963–2003	KRV	
Australia	1839–1900	MIT	Revenues begin in 1824, for New South Wales and other provinces circa 1840 Commonwealth
	1901–1997	MIT	
	1965–2003	KRV	

TABLE A.1.7 Continued

Country	Period covered	Sources	Commentary
Austria	1791–1993	MIT	Missing data for World Wars I and II
	1965–2003	KRV	
Belgium	1830–1993		Missing data for World War I
	1965–2003	KRV	
Bolivia	1888–1999	MIT	Revenues begin in 1885
	1963–2003	KRV	
Brazil	1823–1994	Instituto Brasileiro de Geografia e Estatística, MIT	
	1980–2003	KRV	
Canada	1806–1840	MIT	Lower Canada Upper Canada Canada
	1824–1840		
	1867–1995		
	1963–2003	KRV	
Central African Republic	1906–1912	MIT	
	1925–1973		
	1963–2003	KRV	
Chile	1810–1995	Braun et al. (2000)	Base = 1995
	1857–1998	MIT	
	1963–2003	KRV	
China	1927–1936	Cheng (2003)	Nationalist government
	1963–2003	KRV	
Colombia	1905–1999	MIT	
	1963–2003	KRV	
Costa Rica	1884–1999	MIT	
	1963–2003	KRV	
Côte d'Ivoire	1895–1912	MIT	
	1926–1999		
	1963–2003	KRV	
Denmark	1853–1993	MIT	
	1965–2003	KRV	

(continued)

TABLE A.1.7 Continued

Country	Period covered	Sources	Commentary
Dominican Republic	1905–1999	MIT	
	1963–2003	KRV	
Ecuador	1884–1999	MIT	
	1979–2003	KRV	
Egypt	1821–1879	Landes (1958)	
	1852–1999	MIT	
	1963–2003	KRV	
El Salvador	1883–1999	MIT	
	1963–2003	KRV	
Finland	1882–1993	MIT	
	1965–2003	KRV	
France	1600–1785	ESFDB	
	1815–1993	MIT	
	1965–2003	KRV	
Germany (Prussia)	1688–1806	ESFDB	
Germany	1872–1934	MIT	Revenues end in 1942 West Germany
	1946–1993		
	1979–2003	KRV	
Greece	1885–1940	MIT	Expenditure begins in 1833 and again in 1946
	1954–1993		
	1963–2003	KRV	
Guatemala	1882–1999	MIT	
	1963–2003	KRV	
Honduras	1879–1999	MIT	
	1963–2003	KRV	
Hungary	1868–1940	MIT	
India	1810–2000	MIT	
	1963–2003	KRV	
Indonesia	1821–1940	Mellegers (2006)	Netherlands East Indies, florins, high government

TABLE A.1.7 Continued

Country	Period covered	Sources	Commentary
	1816–1939	MIT	
	1959–1999		
	1963–2003	KRV	
Italy	1862–1993	MIT	
	1965–2003	KRV	
Japan	1868–1993	MIT	
	1963–2003	KRV	
Kenya	1895–2000	MIT	
	1970–2003	KRV	
Korea	1905–1939	MIT	Japanese yen
	1949–1997		South Korea
	1963–2003	KRV	
Malaysia	1883–1938	MIT	Malaya
	1946–1999		
	1963–2003	KRV	
Mauritius	1812–2000	MIT	
	1963–2003	KRV	
Mexico	1825–1998	MIT	
	1963–2003	KRV	
Morocco	1938–2000	MIT	Revenues also
			1920–1929
	1963–2003	KRV	
Myanmar (Burma)	1946–1999	MIT	
	1963–2003	KRV	
The Netherlands	1845–1993	MIT	
	1965–2003	KRV	
New Zealand	1841–2000	MIT	
	1965–2003	KRV	
Nicaragua	1900–1999	MIT	
	1963–2003	KRV	
Nigeria	1874–1998	MIT	
	1963–2003	KRV	

*(continued)*

TABLE A.1.7 Continued

Country	Period covered	Sources	Commentary
Norway	1850–1992	MIT	
	1965–2003	KRV	
Panama	1909–1996	MIT	
	1963–2003	KRV	
Paraguay	1881–1900	MIT	Revenues through 1902
	1913–1993		
	1963–2003	KRV	
Peru	1846–1998	MIT	
	1963–2003	KRV	
The Philippines	1901–2000	MIT	Missing data for World War II
	1963–2003	KRV	
Poland	1922–1937	MIT	Expenditure only
	1947–1993		
Portugal	1879–1902	MIT	
	1917–1992		
	1975–2003	KRV	
Romania	1883–1992	MIT	Expenditure begins in 1862
Russia	1769–1815	ESFDB	
	1804–1914	MIT	
	1924–1934		
	1950–1990		
	1931–1951	Condoide (1951)	
Singapore	1963–2000	MIT	National budget
South Africa	1826–1904	MIT	Natal began in 1850
	1905–2000		
	1963–2003	KRV	
Spain	1520–1553	ESFDB	Not continuous
	1753–1788		
	1850–1997	MIT	
	1965–2003	KRV	
Sri Lanka	1811–2000	MIT	
	1963–2003	KRV	

TABLE A.1.7 Continued

Country	Period covered	Sources	Commentary
Sweden	1881–1993	MIT	
	1980–2003	KRV	
Taiwan	1898–1938	MIT	
	1950–2000		
Thailand (Siam)	1891–2000	MIT	Revenue began in 1851
	1963–2003	KRV	
Tunisia	1909–1954	MIT	
	1965–1999		
	1963–2003	KRV	
Turkey	1923–2000	MIT	
	1963–2003	KRV	
United Kingdom	1486–1815	ESFDB	
	1791–1993	MIT	
	1963–2003	KRV	
United States	1789–1994	MIT	
	1960–2003	KRV	
Uruguay	1871–1999	MIT	
	1963–2003	KRV	
Venezuela	1830–1998	MIT	
	1963–2003	KRV	
Zambia	1963–2003	KRV	
Zimbabwe	1894–1997	MIT	
	1963–2003	KRV	

**TABLE A.1.8**  
Total exports and imports (local currency units and U.S. dollar, as noted)

Country	Period covered	Sources	Currency, commentary
Algeria	1831–2007	GFD, WEO	
Angola	1891–2007	GFD, WEO	
Argentina	1864–2007	GFD, WEO	Lcu
	1885–2007	GFD, WEO	U.S. dollar
	1880–1913	Flandreau and Zumer (2004)	Exports
Australia	1826–2007	GFD, WEO	
Austria	1831–2007	GFD, WEO	
Belgium	1846–2007	GFD, WEO	
	1816–2007	GFD, WEO	U.S. dollar
Bolivia	1899–1935	GFD	Lcu
	1899–2007		U.S. dollar
Brazil	1821–2007	GFD, WEO	
	1880–1913	Flandreau and Zumer (2004)	Exports
Canada	1832–2007	GFD, WEO	Lcu
	1867–2007		U.S. dollar
Chile	1857–1967	GFD, WEO	Lcu
China	1865–1937	GFD, WEO	Lcu
	1950–2007		
Colombia	1835–1938		Lcu
	1919–2007	GFD, WEO	U.S. dollar
Costa Rica	1854–1938	GFD, WEO	Lcu
	1921–2007		U.S. dollar
Côte d'Ivoire	1892–2007	GFD, WEO	Lcu
	1900–2007		U.S. dollar
Denmark	1841–2007	GFD, WEO	Exports begin in 1818, lcu
	1865–2007		U.S. dollar
Ecuador	1889–1949	GFD, WEO	Lcu
	1924–2007		U.S. dollar
Egypt	1850–2007	GFD, WEO	Lcu
	1869–2007		U.S. dollar

TABLE A.1.8 Continued

Country	Period covered	Sources	Currency, commentary
El Salvador	1859–1988	GFD, WEO	Exports begin in 1854, lcu
	1870–2007		U.S. dollar
Finland	1818–2007	GFD, WEO	Lcu
	1900–2007		U.S. dollar
France	1800–2007	GFD, WEO	
Germany	1880–2007	GFD, WEO	
Ghana	1850–2007	GFD, WEO	Lcu
	1900–2007		U.S. dollar
Greece	1849–2007	GFD, WEO	Lcu
	1900–2007		U.S. dollar
Guatemala	1851–2007	GFD, WEO	
Honduras	1896–2007	GFD, WEO	
India	1832–2007	GFD, WEO	
Indonesia	1823–1974	GFD, WEO	Lcu
	1876–2007		U.S. dollar
Italy	1861–2007	GFD, WEO	
Japan	1862–2007	GFD, WEO	
Kenya	1900–2007	GFD, WEO	
Korea	1886–1936	GFD, WEO	Lcu
	1905–2007		U.S. dollar
Malaysia	1905–2007	GFD, WEO	Includes Singapore until 1955
Mauritius	1833–2007	GFD, WEO	Lcu
	1900–2007		U.S. dollar
Mexico	1797–1830	GFD, WEO	U.K. pound
	1872–2007		Lcu
	1797–1830		U.S. dollar
	1872–2007		
Morocco	1947–2007	GFD, WEO	
Myanmar (Burma)	1937–2007	GFD, WEO	
The Netherlands	1846–2007	GFD, WEO	

*(continued)*

TABLE A.1.8 Continued

Country	Period covered	Sources	Currency, commentary
Nicaragua	1895–2007	GFD, WEO	
Norway	1851–2007	GFD, WEO	
Panama	1905–2007	GFD, WEO	Lcu
Paraguay	1879–1949 1923–2007	GFD, WEO	U.S. dollar
Peru	1866–1952 1882–2007	GFD, WEO	Lcu U.S. dollar
The Philippines	1884–2007	GFD, WEO	
Poland	1924–2007	GFD, WEO	
Portugal	1861–2007	GFD, WEO	
Romania	1862–1993 1921–2007	GFD, WEO	Lcu U.S. dollar
Russia	1802–1991 1815–2007	GFD, WEO	Lcu U.S. dollar
Singapore	1948–2007	GFD, WEO	
South Africa	1826–2007 1900–2007	GFD, WEO	Lcu U.S. dollar
Spain	1822–2007	GFD, WEO	
Sri Lanka	1825–2007 1900–2007	GFD, WEO	Lcu U.S. dollar
Sweden	1832–2007	GFD, WEO	
Taiwan	1891–2007	GFD, WEO	
Thailand (Siam)	1859–2007	GFD, WEO	
Turkey	1878–2007	GFD, WEO	
United Kingdom	1796–2007	GFD, WEO	
United States	1788–2007	GFD, WEO	
Uruguay	1862–1930 1899–2007	GFD, WEO	
Venezuela	1830–2007 1900–2007	GFD, WEO	
Zambia	1908–2007	GFD, WEO	
Zimbabwe	1900–2007	GFD, WEO	

**TABLE A.1.9**  
Global indicators and financial centers

Country	Series	Period covered	Sources
United Kingdom	Current account balance/ GDP	1816–2006	Imlah (1958), MIT, United Kingdom National Statistics
	Consol rate	1790–2007	GFD, Bank of England
	Discount rate	1790–2007	GFD, Bank of England
United States	Current account balance/ GDP	1790–2006	Carter et al. (2006), WEO
	60- to 90-day commercial paper	1830–1900	Carter et al. (2006)
	Discount rate	1915–2007	GFD, Board of Governors of the Federal Reserve
	Federal funds rate	1950–2007	Board of Governors of the Federal Reserve
	Long-term bond	1798–2007	Carter et al. (2006), Board of Governors of the Federal Reserve
World	Commodity prices, nominal and real	1790–1850	Gayer, Rostow, and Schwartz (1953)
		1854–1990	Boughton (1991)
		1862–1999	<i>Economist</i>
		1980–2007	WEO
	Sovereign external default dates	1341–2007	Suter (1992), Purcell and Kaufman (1993), Reinhart, Rogoff, and Savastano (2003a), MacDonald (2006), Standard and Poor's (various issues)

**TABLE A.1.10**  
Real house prices

Country	Period covered	Source	Commentary
Argentina	1981–2007	Reporte Inmobiliario	Average value of old apartments, Buenos Aires
Colombia	1997:Q1–2007:Q4	Departamento Administrativo Nacional de Estadística	New housing price index, total twenty-three municipalities
Finland	1983:Q1–2008:Q1	StatFin Online Service	Dwellings in old blocks of flats, Finland
	1970–2007	Bank for International Settlements	House price index, Finland
Hong Kong	1991:7–2008:2	Hong Kong University	Real estate index series, Hong Kong
Hungary	2000–2007	Otthon Centrum	Average price of old condominiums, Budapest
Iceland	2000:3–2008:4	Statistics Iceland	House price index, Iceland
Indonesia	1994:Q1–2008:Q1	Bank of Indonesia	Residential property price index, new houses, new developments, big cities
Ireland	1996:Q1–2008:Q1	ESRI, Permanent TSB	House prices, standardized, Ireland
Japan	1955:H1–2007:H2	Japan Real Estate Institute	Land prices, urban, residential index, Japan
Malaysia	2000:Q1–2007:Q4	Bank Negara	House price index, Malaysia
Norway	1970–2007	Bank for International Settlements	House price index, all dwellings, Norway
	1819–2007	Norges Bank	Housing prices, Norway
The Philippines	1994:Q4–2007:Q4	Colliers International: Philippines	Prime three-bedroom condominiums, Makati Central Business District

TABLE A.1.10 Continued

Country	Period covered	Source	Commentary
South Korea	1986:1–2006:12	Kookmin Bank	Housing price index
	2007:Q1–2008:Q1	Kookmin Bank	Housing price index
Spain	1990:Q1–2008:Q1	Banco de España	House price index, appraised housing, Spain
	1970–2007	Bank for International Settlements	House price index, appraised housing, Spain
Thailand	1991:Q1–2008:Q4	Bank of Thailand	House price index, single detached house
United Kingdom	1952:1–2008:4	Nationwide	Average house price, U.K.
	1970–2007	Bank for International Settlements	House price index, U.K.
United States	1890–2007	Standard and Poor's	Case-Shiller national price index, U.S.
	1987:Q1–2008:Q2	Standard and Poor's	Case-Shiller national price index, U.S.

**TABLE A.1.11**  
Stock market indexes (equity prices) (local currency and U.S. dollars)

Country	Period covered	Country	Period covered
Argentina	1967–2008	Korea	1962–2008
Australia	1875–2008	Malaysia	1970–2008
Austria	1922–2008	Mexico	1930–2008
Belgium	1898–2008	The Netherlands	1919–2008
Brazil	1954–2008	New Zealand	1931–2008
Canada	1914–2008	Norway	1918–2008
Chile	1927–2008	Pakistan	1960–2008
Colombia	1929–2008	Peru	1932–2008
Denmark	1915–2008	The Philippines	1952–2008
Finland	1922–2008	Portugal	1931–2008
France	1856–2008	Singapore	1966–2008
Germany	1856–2008	South Africa, Union of	1910–2008
Greece	1952–2008	Spain	1915–2008
Hong Kong	1962–2008	Sweden	1913–2008
India	1921–2008	Switzerland	1910–2008
Ireland	1934–2008	Taiwan	1967–2008
Israel	1949–2008	United Kingdom	1800–2008
Italy	1906–2008	United States	1800–2008
Japan	1915–2008	Venezuela	1937–2008
Kenya	1964–2008	Zimbabwe	1968–2008

*Source:* Global Financial Data.