

Predicting the Markets

Ed Yardeni

Appendix 5.1

US Business Cycle Expansions and Contractions: 1854-Present

Cycle	Start	End	Number of Months From:		Industrial Production	Real GDP*
			Trough to Peak	Peak to Trough		
Expansion	Dec 1854	Jun 1857	30	—	—	—
Recession	Jun 1857	Dec 1858	—	18	—	—
Expansion	Dec 1858	Oct 1860	22	—	—	—
Recession	Oct 1860	Jun 1861	—	8	—	—
Expansion	Jun 1861	Apr 1865	46	—	—	—
Recession	Apr 1865	Dec 1867	—	32	—	—
Expansion	Dec 1867	Jun 1869	18	—	—	—
Recession	Jun 1869	Dec 1870	—	18	—	—
Expansion	Dec 1870	Oct 1873	34	—	—	—
Recession	Oct 1873	Mar 1879	—	65	—	—
Expansion	Mar 1879	Mar 1882	36	—	—	—
Recession	Mar 1882	May 1885	—	38	—	—
Expansion	May 1885	Mar 1887	22	—	—	—
Recession	Mar 1887	Apr 1888	—	13	—	—
Expansion	Apr 1888	Jul 1890	27	—	—	—
Recession	Jul 1890	May 1891	—	10	—	—
Expansion	May 1891	Jan 1893	20	—	—	—
Recession	Jan 1893	Jun 1894	—	17	—	—
Expansion	Jun 1894	Dec 1895	18	—	—	—
Recession	Dec 1895	Jun 1897	—	18	—	—
Expansion	Jun 1897	Jun 1899	24	—	—	—
Recession	Jun 1899	Dec 1900	—	18	—	—
Expansion	Dec 1900	Sep 1902	21	—	—	—
Recession	Sep 1902	Aug 1904	—	23	—	—
Expansion	Aug 1904	May 1907	33	—	—	—
Recession	May 1907	Jun 1908	—	13	—	—
Expansion	Jun 1908	Jan 1910	19	—	—	—
Recession	Jan 1910	Jan 1912	—	24	—	—
Expansion	Jan 1912	Jan 1913	12	—	—	—
Recession	Jan 1913	Dec 1914	—	23	—	—
Expansion	Dec 1914	Aug 1918	44	—	—	—
Recession	Aug 1918	Mar 1919	—	7	—	—
Expansion	Mar 1919	Jan 1920	10	—	—	—
Recession	Jan 1920	Jul 1921	—	18	—	—
Expansion	Jul 1921	May 1923	22	—	63.6%	25.2%
Recession	May 1923	Jul 1924	—	14	-17.9%	-0.3%
Expansion	Jul 1924	Oct 1926	27	—	30.7%	16.1%

Continued...

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Cycle	Start	End	Number of Months From:		Industrial Production	Real GDP*
			Trough to Peak	Peak to Trough		
Recession	Oct 1926	Nov 1927	—	13	-6.0%	-1.0%
Expansion	Nov 1927	Aug 1929	21	—	23.7%	12.6%
Recession	Aug 1929	Mar 1933	—	43	-51.7%	-28.0%
Expansion	Mar 1933	May 1937	50	—	120.6%	42.1%
Recession	May 1937	Jun 1938	—	13	-31.8%	-8.9%
Expansion	Jun 1938	Feb 1945	80	—	185.8%	—
Recession	Feb 1945	Oct 1945	—	8	-29.0%	—
Expansion	Oct 1945	Nov 1948	37	—	24.7%	—
Recession	Nov 1948	Oct 1949	—	11	-8.6%	-1.5%
Expansion	Oct 1949	Jul 1953	45	—	50.2%	28.6%
Recession	Jul 1953	May 1954	—	10	-9.0%	-1.9%
Expansion	May 1954	Aug 1957	39	—	21.9%	13.6%
Recession	Aug 1957	Apr 1958	—	8	-12.7%	-3.0%
Expansion	Apr 1958	Apr 1960	24	—	22.9%	11.5%
Recession	Apr 1960	Feb 1961	—	10	-6.2%	-0.3%
Expansion	Feb 1961	Dec 1969	106	—	74.9%	52.0%
Recession	Dec 1969	Nov 1970	—	11	-5.8%	-0.2%
Expansion	Nov 1970	Nov 1973	36	—	26.3%	16.0%
Recession	Nov 1973	Mar 1975	—	16	-13.0%	-3.1%
Expansion	Mar 1975	Jan 1980	58	—	29.8%	23.3%
Recession	Jan 1980	Jul 1980	—	6	-6.6%	-2.2%
Expansion	Jul 1980	Jul 1981	12	—	6.5%	4.4%
Recession	Jul 1981	Nov 1982	—	16	-8.6%	-2.5%
Expansion	Nov 1982	Jul 1990	92	—	32.8%	38.4%
Recession	Jul 1990	Mar 1991	—	8	-3.7	-1.3%
Expansion	Mar 1991	Mar 2001	120	—	50.8%	42.6%
Recession	Mar 2001	Nov 2001	—	8	-3.5	+0.5%
Expansion	Nov 2001	Dec 2007	73	—	16.0%	18.0%
Recession	Dec 2007	Jun 2009	—	18	-17.3%	-4.2%
Expansion	Jun 2009	Jul 2019	121	—	—	—
Expansions:						
			Number		Average Months, Trough to Peak	
	1854-1918		16		27	
	1918-1945		6		35	
	1945-2007		11		58	
	1854-2007 Total		33		39	
Recessions:						
			Number		Average Months, Peak to Trough	
	1857-1919		16		22	
	1921-1945		6		18	
	1945-2007		11		11	
	1857-2009 Total		33		17	

* Real GDP growth rates from July 1921 through June 1938 are based on real GNP data. There are no quarterly data for real GDP or real GNP for the recession/expansion periods from June 1938 through November 1948.

Note: Prior to July 1921, there are no Industrial Production or GDP data.

Source: Bureau of Economic Analysis, National Bureau of Economic Research, and Federal Reserve Board.