

**Model Version for November 8, 2018**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Average
1940	Not Available	Not Available	28.5	24.6	21.8	13.8	7.7	19.0	28.2	30.9	15.8	7.7	19.8
1941	7.1	8.5	7.8	4.8	0.5	0.0	4.0	11.8	20.5	15.0	16.4	17.1	9.5
1942	21.5	23.3	25.3	15.2	12.2	20.2	16.5	21.3	19.7	15.7	16.4	17.9	18.8
1943	19.2	19.6	19.8	25.2	27.9	23.8	28.3	29.5	32.7	32.2	29.9	26.3	26.2
1944	19.7	16.8	12.9	18.9	13.3	21.7	26.3	24.0	25.4	23.9	20.3	15.6	19.9
1945	10.6	9.9	9.1	6.5	13.9	17.0	22.5	21.4	23.1	21.5	24.9	22.6	16.9
1946	18.7	15.0	11.4	15.3	11.6	11.3	13.7	23.8	21.2	22.1	13.6	14.8	16.0
1947	11.5	17.2	15.9	20.6	21.4	26.8	32.2	26.0	28.7	29.3	29.2	26.4	23.8
1948	27.5	26.5	27.6	28.6	26.8	23.5	27.8	29.9	34.7	35.0	34.6	32.9	29.6
1949	30.8	23.1	23.7	14.4	18.3	21.7	27.3	30.7	31.1	21.1	23.3	18.1	23.6
1950	19.3	14.7	19.9	17.5	21.0	16.1	25.3	28.6	28.4	30.5	30.5	30.7	23.5
1951	30.8	30.0	29.5	29.9	30.6	27.8	30.3	31.0	30.5	29.9	29.7	29.5	30.0
1952	29.9	29.2	29.7	27.6	24.3	26.9	29.6	33.4	33.5	33.2	29.3	22.4	29.1
1953	21.4	21.6	23.1	28.3	18.6	24.0	26.8	31.6	27.0	24.0	23.4	21.8	24.3
1954	23.8	27.6	30.8	26.1	24.9	27.9	32.4	33.3	35.0	35.0	35.0	34.0	30.5
1955	31.0	31.7	31.6	33.2	32.1	31.0	27.9	28.4	24.8	27.3	28.5	30.1	29.8
1956	30.5	30.6	31.6	33.2	25.6	29.2	31.3	33.3	35.0	35.0	35.0	33.9	32.0
1957	31.0	31.1	28.0	20.3	8.7	3.2	11.0	20.7	17.2	7.4	6.5	9.0	16.2
1958	11.4	7.9	8.7	13.2	12.3	13.6	23.1	28.8	22.7	22.5	17.7	20.6	16.9
1959	20.5	17.0	19.9	11.8	17.7	13.4	18.7	25.1	29.4	16.2	16.9	13.7	18.4
1960	13.6	11.4	15.1	13.6	15.4	9.5	15.7	19.2	27.8	17.7	12.7	8.2	15.0
1961	7.4	6.8	11.0	16.8	23.1	12.3	10.0	16.1	10.6	16.8	14.0	18.2	13.6
1962	17.9	21.4	25.9	28.6	28.0	26.9	29.6	29.8	30.2	26.5	27.7	27.1	26.6
1963	29.1	25.4	28.5	28.9	29.2	30.9	31.6	32.4	32.3	35.0	31.3	31.5	30.5
1964	30.7	31.2	31.9	32.2	31.5	28.9	30.6	31.3	30.6	29.2	25.7	26.9	30.0
1965	23.1	16.7	21.2	22.4	13.1	14.9	19.5	26.4	26.2	29.3	22.5	17.8	21.1
1966	18.1	17.5	18.9	19.5	15.3	22.8	27.5	30.5	25.1	28.6	28.4	30.4	23.5
1967	30.0	30.4	32.9	33.9	34.5	33.4	35.0	33.5	28.0	27.4	24.0	25.4	30.7
1968	15.4	14.0	9.2	9.5	6.2	5.9	11.1	19.7	19.7	23.4	21.6	18.6	14.5
1969	19.4	14.4	13.4	11.9	13.0	18.5	25.6	29.1	31.0	19.8	17.7	14.4	19.0
1970	16.2	14.2	9.3	11.8	7.3	13.0	17.8	24.2	24.5	17.4	20.3	22.7	16.5
1971	27.1	29.1	31.1	31.6	31.9	32.1	28.1	26.5	22.8	16.4	17.5	14.5	25.7
1972	16.8	17.5	21.7	26.3	17.9	21.5	24.8	29.4	31.6	29.0	26.3	26.0	24.1
1973	22.9	19.4	15.3	11.7	14.8	9.5	17.6	20.4	19.9	10.6	12.1	16.8	15.9
1974	13.8	17.5	19.5	26.3	20.7	25.5	28.8	20.6	12.2	8.1	6.0	9.0	17.3
1975	11.6	9.3	12.4	12.7	7.3	6.7	10.0	16.2	20.4	22.5	22.3	21.2	14.4
1976	22.0	24.0	26.0	18.6	14.1	14.0	15.3	22.5	24.4	20.6	17.1	10.5	19.1
1977	14.2	11.5	15.4	6.3	8.6	14.9	26.5	30.3	31.5	31.7	28.2	28.0	20.6
1978	24.9	22.8	26.5	29.6	31.7	31.2	32.2	26.1	21.8	26.4	23.8	24.4	26.8
1979	15.6	13.3	13.2	12.9	9.3	6.7	11.7	21.2	17.1	23.0	22.2	24.2	15.9
1980	20.1	20.4	23.4	25.5	19.5	25.2	28.7	32.1	25.3	25.9	25.8	27.2	24.9
1981	28.0	28.8	24.4	23.1	19.2	9.9	11.6	16.8	15.2	13.8	9.5	15.3	18.0
1982	18.7	20.9	22.1	26.9	16.4	23.7	27.9	32.3	32.6	31.5	26.9	24.8	25.4
1983	22.3	17.1	13.6	18.4	16.3	22.5	22.4	23.9	19.4	21.3	21.7	24.4	20.3
1984	23.9	26.5	28.9	31.3	30.2	31.5	31.6	32.0	31.9	20.4	20.5	18.2	27.2
1985	18.2	17.3	14.7	16.8	23.1	22.1	26.2	28.6	31.4	24.4	16.7	15.1	21.2
1986	17.5	20.4	23.5	28.6	21.7	17.4	23.8	28.4	26.2	18.6	15.0	7.7	20.7
1987	9.0	8.3	9.6	14.6	13.3	5.1	8.2	14.4	21.5	24.6	21.2	19.6	14.1
1988	20.6	22.8	23.0	27.1	27.0	29.8	24.0	27.5	28.7	31.7	30.5	29.8	26.9
1989	25.7	26.0	26.0	29.8	22.2	25.6	27.9	31.5	32.5	32.5	30.5	29.9	28.4
1990	29.5	28.2	26.0	23.0	23.3	28.0	24.9	27.7	22.2	27.3	27.5	30.0	26.5
1991	18.9	16.6	18.8	13.3	16.9	17.7	26.5	30.0	26.6	24.4	26.0	10.5	20.5
1992	4.9	0.0	0.0	0.0	0.0	0.0	10.6	18.9	22.9	21.2	17.2	16.8	9.4
1993	13.2	12.0	10.6	10.8	9.0	7.6	20.0	24.5	30.9	26.4	24.6	24.3	17.8
1994	24.7	25.5	25.3	28.9	22.1	20.9	25.0	28.4	28.0	14.8	15.5	11.5	22.5
1995	13.0	18.0	14.4	14.3	12.4	10.9	19.2	26.1	31.2	32.4	27.4	22.4	20.1
1996	25.3	27.1	30.8	31.2	30.7	28.1	30.1	28.3	25.5	27.0	24.3	26.5	27.9
1997	21.0	16.4	7.6	5.9	7.0	2.7	5.8	13.8	21.9	15.9	17.0	14.4	12.5
1998	16.3	13.4	10.4	13.3	22.0	28.1	32.6	28.6	21.5	9.3	4.0	6.0	17.1
1999	10.8	17.9	18.1	20.5	18.8	19.3	23.3	28.2	31.3	32.3	30.3	29.5	23.3
2000	29.2	28.5	30.7	30.4	31.9	26.6	29.8	30.3	34.3	27.9	20.0	17.6	28.1
2001	13.3	13.9	9.9	13.6	15.7	24.2	29.0	30.6	21.9	18.6	12.9	11.2	17.9
2002	13.9	18.9	22.4	22.9	23.8	25.7	12.2	20.7	18.4	17.4	9.6	7.4	17.8
2003	9.0	8.3	9.6	16.6	25.6	29.9	29.3	30.0	27.2	24.8	23.5	24.2	21.5
2004	21.7	18.1	19.2	17.4	14.6	7.9	10.7	13.9	21.6	19.7	8.2	6.8	15.0
2005	9.8	10.2	9.0	11.8	15.2	23.4	28.5	26.0	29.6	30.4	30.9	30.4	21.3
2006	29.4	30.0	31.3	32.0	27.8	28.2	27.8	30.5	31.6	29.0	27.5	24.8	29.2
2007	16.6	18.8	13.2	15.2	10.9	5.4	2.0	4.7	9.7	15.9	15.4	18.0	12.1
2008	19.2	22.0	24.0	28.8	30.4	32.2	32.4	32.4	34.8	35.0	33.1	31.1	29.6
2009	29.5	30.3	31.3	24.8	28.9	30.3	34.0	34.1	33.3	23.8	21.4	17.5	28.3
2010	16.4	13.1	16.3	17.4	20.4	22.9	19.7	26.6	22.8	27.9	26.9	28.3	21.6
2011	28.9	29.9	31.4	32.1	33.1	32.8	34.1	34.4	35.0	35.0	35.0	32.3	32.8
2012	25.8	19.3	13.6	18.7	19.4	25.7	25.6	30.2	31.3	32.5	31.4	30.9	25.4
2013	30.5	30.7	30.7	29.4	29.1	28.9	30.9	33.6	33.9	26.1	18.6	20.1	28.5
2014	22.0	26.5	24.6	29.0	20.3	20.9	24.9	30.0	32.2	32.5	29.0	26.7	26.6
2015	20.4	21.8	15.0	14.8	6.7	6.4	11.9	21.5	26.1	18.9	12.2	10.6	15.5
2016	13.9	18.9	17.1	10.4	4.5	1.6	11.9	11.9	17.3	20.1	20.2	17.3	13.8
AVG	20.2	19.9	20.2	20.6	19.3	19.8	22.8	26.0	26.3	24.4	22.2	21.0	21.9
MAX	31.0	31.7	32.9	33.9	34.5	33.4	35.0	34.4	35.0	35.0	35.0	34.0	32.8
MIN	4.9	0.0	0.0	0.0	0.0	0.0	2.0	4.7	9.7	7.4	4.0	6.0	9.4

## Model Version for October 8, 2018

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Average
1940	Not Available	Not Available	28.5	24.6	21.8	13.8	7.7	19.0	28.2	30.9	15.8	7.7	19.8
1941	7.1	8.5	7.8	4.8	0.5	0.0	4.0	11.8	20.5	15.0	16.4	17.1	9.5
1942	21.5	23.3	25.3	15.2	12.2	20.2	16.5	21.3	19.7	15.7	16.4	17.9	18.8
1943	19.2	19.6	19.8	25.2	27.9	24.4	28.6	29.7	32.7	32.2	29.9	26.3	26.3
1944	19.7	16.8	12.9	18.9	13.1	21.6	26.3	24.1	25.4	24.2	20.4	15.6	19.9
1945	10.6	9.9	9.0	6.5	13.9	17.0	22.5	21.4	23.1	21.6	25.0	22.5	16.9
1946	18.7	14.9	11.4	15.3	11.6	11.3	13.7	23.8	21.2	22.1	13.6	14.8	16.0
1947	11.5	17.2	16.0	20.3	21.3	27.0	32.3	26.0	28.7	29.3	29.2	26.4	23.8
1948	27.5	26.5	27.6	28.6	26.8	23.5	27.8	29.9	35.0	35.0	34.3	32.5	29.6
1949	30.8	23.1	23.7	14.4	18.3	21.7	27.3	30.7	31.1	21.1	23.3	18.1	23.6
1950	19.3	14.7	19.8	17.5	20.8	16.0	25.1	28.6	28.1	30.3	30.3	30.7	23.4
1951	30.8	30.0	29.5	29.9	30.6	27.8	30.3	31.0	30.5	29.9	29.7	29.5	30.0
1952	29.9	29.2	29.7	27.6	24.3	26.9	29.6	33.4	33.5	33.2	30.9	22.7	29.2
1953	21.8	21.3	23.6	27.7	18.4	23.7	26.8	31.6	27.0	24.0	23.4	21.8	24.3
1954	23.8	27.6	30.8	26.6	24.6	27.9	33.1	33.7	35.0	35.0	34.6	33.4	30.5
1955	30.8	31.7	31.6	33.2	32.1	31.0	27.9	27.6	24.7	26.5	28.2	29.8	29.6
1956	30.5	30.8	31.7	33.6	25.6	29.3	31.6	33.5	35.0	35.0	35.0	33.3	32.1
1957	31.0	31.1	28.1	20.3	8.3	3.0	10.9	20.7	17.2	7.4	6.5	9.0	16.1
1958	11.4	7.9	8.7	13.2	12.3	13.6	23.1	28.8	23.0	22.5	17.8	20.6	16.9
1959	20.6	16.9	20.0	11.8	17.7	13.4	18.7	25.1	29.4	16.2	16.9	13.7	18.4
1960	13.6	11.4	15.1	13.6	15.4	9.5	15.7	19.2	27.8	17.7	12.7	8.2	15.0
1961	7.4	6.8	11.0	16.8	23.1	12.3	10.0	16.1	10.6	16.8	14.0	18.2	13.6
1962	17.9	21.4	25.9	28.6	28.0	26.9	29.6	29.8	30.2	26.5	27.6	27.1	26.6
1963	29.1	25.4	28.3	29.2	29.8	31.2	31.8	32.3	30.6	32.5	30.5	31.2	30.2
1964	30.9	31.2	31.9	32.2	31.5	29.3	30.8	31.5	30.6	29.2	27.9	28.2	30.4
1965	23.0	16.3	19.4	21.7	12.3	14.4	19.3	26.3	26.2	29.3	22.5	17.8	20.7
1966	18.1	17.5	18.9	19.5	15.3	22.8	27.5	30.5	25.6	28.9	28.6	30.4	23.6
1967	30.0	30.4	32.9	33.9	34.5	33.4	35.0	33.5	28.0	27.5	23.9	25.4	30.7
1968	15.3	14.0	9.1	9.5	6.2	5.9	11.1	19.7	19.7	23.4	21.6	18.6	14.5
1969	19.4	14.4	13.4	11.9	13.0	18.5	25.6	29.1	31.0	19.8	17.7	14.4	19.0
1970	16.2	14.2	9.3	11.8	7.3	13.0	17.8	24.2	24.5	17.4	20.3	22.7	16.5
1971	27.1	29.1	31.1	31.6	31.9	32.1	28.0	26.6	22.9	16.3	17.5	14.5	25.7
1972	16.8	17.5	21.7	26.3	17.9	21.5	24.8	29.4	31.6	29.0	26.3	26.0	24.1
1973	22.9	19.4	15.3	11.7	14.8	9.5	17.6	20.1	19.8	10.6	12.1	16.8	15.9
1974	13.8	17.5	19.5	26.3	20.7	25.5	28.8	20.6	12.2	8.1	6.0	9.0	17.3
1975	11.6	9.3	12.4	12.7	7.3	6.7	10.0	16.2	20.4	22.5	22.9	21.1	14.4
1976	22.7	23.6	25.7	18.2	13.9	14.0	15.3	22.5	24.2	20.5	17.0	10.5	19.0
1977	14.2	11.5	15.4	6.3	8.6	14.9	26.5	30.3	31.5	31.7	28.2	28.0	20.6
1978	24.9	22.8	26.5	29.6	31.7	31.2	32.2	26.1	21.9	26.4	23.8	24.4	26.8
1979	15.6	13.3	13.2	12.8	9.3	6.7	11.7	21.2	17.1	23.0	22.2	24.3	15.9
1980	20.1	20.4	23.4	25.5	19.5	25.2	28.7	32.1	24.7	28.2	26.8	27.7	25.2
1981	27.8	28.6	24.6	23.5	19.3	10.0	11.6	16.8	15.2	13.8	9.5	15.3	18.0
1982	18.7	20.9	22.5	26.6	16.3	23.1	27.8	32.1	32.6	31.5	26.9	24.8	25.3
1983	22.3	17.1	13.6	18.4	16.3	22.5	22.4	23.9	19.4	21.3	21.7	24.4	20.3
1984	23.9	26.5	28.8	31.3	29.7	29.7	30.7	31.9	32.1	20.6	20.5	18.3	27.0
1985	18.2	17.2	14.7	16.8	23.1	22.1	26.2	28.6	31.4	24.4	16.7	15.1	21.2
1986	17.5	20.4	23.5	28.5	21.6	16.4	23.3	28.0	26.5	18.6	15.0	7.6	20.6
1987	9.0	8.3	9.6	14.6	13.3	5.1	8.2	14.4	21.6	24.7	21.2	19.6	14.1
1988	20.6	23.3	22.9	27.1	26.9	29.8	24.3	27.7	28.8	31.7	30.5	29.8	26.9
1989	25.7	26.0	25.9	29.7	22.4	24.8	27.6	31.2	32.5	32.5	30.5	29.9	28.2
1990	29.5	28.2	26.4	22.9	23.6	28.1	25.2	27.3	22.1	26.6	26.8	29.5	26.3
1991	18.6	16.0	18.5	13.1	16.9	17.7	26.5	30.0	26.8	24.6	25.9	10.4	20.4
1992	4.8	0.0	0.0	0.0	0.0	0.0	10.6	18.9	23.1	21.4	17.4	16.6	9.4
1993	13.1	11.9	10.6	10.8	9.0	7.6	20.0	24.5	30.9	26.4	24.6	24.3	17.8
1994	24.7	25.5	25.3	28.9	22.1	20.9	25.0	28.4	28.1	14.8	15.6	11.5	22.6
1995	13.0	18.0	14.4	14.3	12.4	10.9	19.2	26.1	31.2	32.4	27.3	22.4	20.1
1996	25.3	27.1	30.8	31.2	30.7	28.1	30.1	28.2	25.5	26.9	24.3	26.5	27.9
1997	21.0	16.4	7.6	5.8	7.0	2.7	5.8	13.8	21.9	15.9	17.0	14.4	12.4
1998	16.3	13.4	10.4	13.3	22.0	28.1	32.6	28.4	21.4	9.2	4.0	6.0	17.1
1999	10.8	17.9	18.0	20.5	18.9	19.3	23.3	28.2	31.3	32.3	30.3	29.5	23.4
2000	29.2	28.6	30.7	30.8	31.9	27.3	29.8	30.4	35.0	31.9	20.4	17.5	28.6
2001	12.4	13.7	9.9	13.6	15.7	24.2	29.0	30.6	21.9	18.6	12.9	11.2	17.8
2002	13.9	18.9	22.4	22.9	23.8	25.7	12.2	20.7	18.4	17.4	9.6	7.4	17.8
2003	9.0	8.3	9.6	16.6	25.6	29.9	29.3	30.0	27.7	25.3	23.7	24.3	21.6
2004	21.6	18.1	19.2	17.2	14.5	7.9	10.7	13.9	21.6	19.8	8.2	6.8	15.0
2005	9.8	10.2	9.0	11.8	15.2	23.4	28.5	26.3	29.7	30.5	30.9	30.4	21.3
2006	29.4	30.0	31.3	32.0	27.7	28.2	27.8	30.5	31.6	28.9	27.5	24.8	29.1
2007	16.6	18.8	13.2	15.2	10.8	5.4	2.0	4.7	9.7	15.9	15.4	18.0	12.1
2008	19.2	22.0	24.0	28.8	30.4	32.2	32.4	32.4	34.8	35.0	33.1	31.1	29.6
2009	29.5	30.3	31.3	25.1	29.6	31.1	34.5	34.5	33.5	23.9	21.4	17.5	28.5
2010	16.4	13.1	16.3	16.8	19.3	22.3	19.4	26.6	22.8	27.9	26.9	28.3	21.3
2011	28.9	29.9	31.4	32.1	33.1	32.8	34.1	33.2	35.0	35.0	35.0	34.1	32.9
2012	25.6	19.4	13.6	18.7	19.4	25.7	25.6	30.2	31.3	32.5	31.4	30.9	25.4
2013	30.5	30.7	30.7	29.4	29.1	30.7	31.8	35.0	34.4	26.5	18.6	20.2	29.0
2014	22.1	26.6	24.6	29.0	20.3	20.9	24.9	30.0	32.2	32.5	29.0	26.7	26.6
2015	20.4	21.8	15.0	14.8	6.7	6.4	11.9	21.5	26.1	18.9	12.2	10.6	15.5
2016	13.9	18.9	17.1	10.4	4.6	1.6	11.9	11.9	17.3	20.1	20.2	17.3	13.8
AVG	20.2	19.9	20.2	20.6	19.3	19.7	22.8	26.0	26.3	24.5	22.2	21.1	21.9
MAX	31.0	31.7	32.9	33.9	34.5	33.4	35.0	35.0	35.0	35.0	35.0	34.1	32.9
MIN	4.8	0.0	0.0	0.0	0.0	0.0	2.0	4.7	9.7	7.4	4.0	6.0	9.4