
Population of an imaginary country approaching stability

Information about this file

Total population and its absolute change of an imaginary country, total population oscillates every 31.42 years, absolute change drops (1/400), 1950-2650, (million people)

Total population and its absolute change of an imaginary country, total population oscillates every 31.42 years, absolute change drops (1/1000), 1950-2650, (million people)

Total population and its absolute change of an imaginary country, total population oscillates every 100 years, absolute change drops (1/400), 1950-2650, (million people)

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Metadata

These reference tables contain statistics of the total population and its absolute change of an imaginary country. The population of this country is approaching to 99 million, and during this process the absolute change of the population is slowing down. The total population oscillates with certain period (for example 31 years or 100 years). The graph beside each table shows the total population and the absolute change of the population over time. The x-axis is the absolute change while the y-axis is the total population. Each circle represents a certain year.

The spiral timeline drawn here is the logarithmic spiral discovered by Rene Descartes in 1638 and titled "miraculous" by Jacob Bernoulli in 1692. Its shape is found in the chamber mollusk called Nautilus, and in the patterns of spiral galaxies. Peregrine falcons are said to take off in flight along the path of this spiral and swoop down on their prey to almost exactly this pattern, as it is the most efficient flight path to take.(Source: Chin, G. J., Flying along a logarithmic spiral, Science, 8 December 2000, <http://science.sciencemag.org/content/290/5498/1857.3> see also: <https://www.britannica.com/science/spiral-mathematics>)

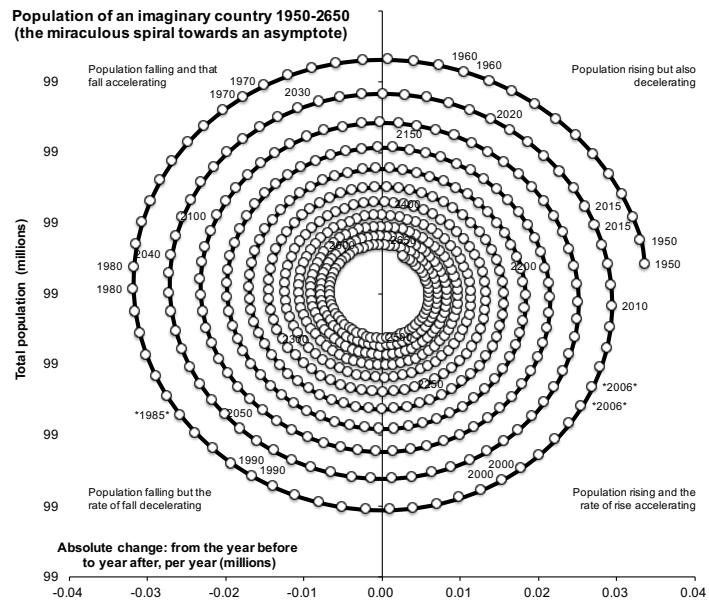
Readers can change the period and drop rate, and see what happens to the graphs. Please see the notes in each table.

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Total population and its absolute change of an imaginary country, total population oscillates every 31.42 years, absolute change drops (1/400), 1950-2650, (million people)

Source: An imaginary country. The data is created by the author as an example of acceleration and deceleration both slowing down.
 Period of total population 31.42
 Drop rate in absolute chang 1/400
 Frequency: Yearly, End of period

Observation date	Absolute change (million)	Total population (million)	Label
1949	0.034	99.041	
1950	0.033	99.075	1950
1951	0.032	99.108	
1952	0.031	99.139	
1953	0.029	99.169	
1954	0.027	99.197	
1955	0.025	99.223	
1956	0.022	99.247	
1957	0.020	99.268	
1958	0.017	99.286	
1959	0.014	99.301	
1960	0.011	99.314	1960
1961	0.007	99.323	
1962	0.004	99.328	
1963	0.001	99.331	
1964	-0.002	99.330	
1965	-0.006	99.326	
1966	-0.009	99.319	
1967	-0.012	99.308	
1968	-0.015	99.294	
1969	-0.018	99.278	
1970	-0.020	99.259	1970
1971	-0.023	99.237	
1972	-0.025	99.214	
1973	-0.027	99.188	
1974	-0.028	99.160	
1975	-0.030	99.131	
1976	-0.031	99.101	
1977	-0.031	99.070	
1978	-0.032	99.038	
1979	-0.032	99.006	1980
1980	-0.032	98.975	
1981	-0.031	98.943	
1982	-0.030	98.913	
1983	-0.029	98.883	
1984	-0.027	98.855	
1985	-0.026	98.828	*1985*
1986	-0.024	98.803	
1987	-0.022	98.781	
1988	-0.019	98.760	
1989	-0.017	98.742	
1990	-0.014	98.727	1990
1991	-0.011	98.714	
1992	-0.008	98.705	
1993	-0.005	98.698	
1994	-0.002	98.695	
1995	0.001	98.694	
1996	0.004	98.697	
1997	0.007	98.702	
1998	0.010	98.711	
1999	0.013	98.722	
2000	0.015	98.736	2000
2001	0.018	98.753	
2002	0.020	98.772	
2003	0.022	98.793	
2004	0.024	98.816	
2005	0.026	98.841	
2006	0.027	98.867	*2006*
2007	0.028	98.895	
2008	0.029	98.923	
2009	0.029	98.952	
2010	0.029	98.982	2010
2011	0.029	99.011	
2012	0.029	99.040	
2013	0.028	99.069	
2014	0.027	99.097	
2015	0.026	99.123	2015
2016	0.025	99.149	
2017	0.023	99.172	
2018	0.021	99.194	
2019	0.019	99.214	
2020	0.016	99.232	2020
2021	0.014	99.247	
2022	0.011	99.259	
2023	0.009	99.269	
2024	0.006	99.277	
2025	0.003	99.281	
2026	0.000	99.283	
2027	-0.003	99.282	
2028	-0.005	99.278	
2029	-0.008	99.271	
2030	-0.011	99.261	2030
2031	-0.013	99.249	
2032	-0.016	99.235	
2033	-0.018	99.218	
2034	-0.020	99.200	
2035	-0.022	99.179	
2036	-0.023	99.157	
2037	-0.024	99.133	
2038	-0.025	99.108	
2039	-0.026	99.082	
2040	-0.027	99.055	2040
2041	-0.027	99.028	
2042	-0.027	99.001	
2043	-0.027	98.974	
2044	-0.026	98.947	
2045	-0.026	98.921	
2046	-0.025	98.896	
2047	-0.023	98.872	
2048	-0.022	98.850	
2049	-0.020	98.829	
2050	-0.018	98.809	2050
2051	-0.016	98.792	
2052	-0.014	98.777	
2053	-0.011	98.765	
2054	-0.009	98.754	
2055	-0.006	98.747	
2056	-0.004	98.741	
2057	-0.001	98.739	
2058	0.001	98.739	
2059	0.004	98.741	

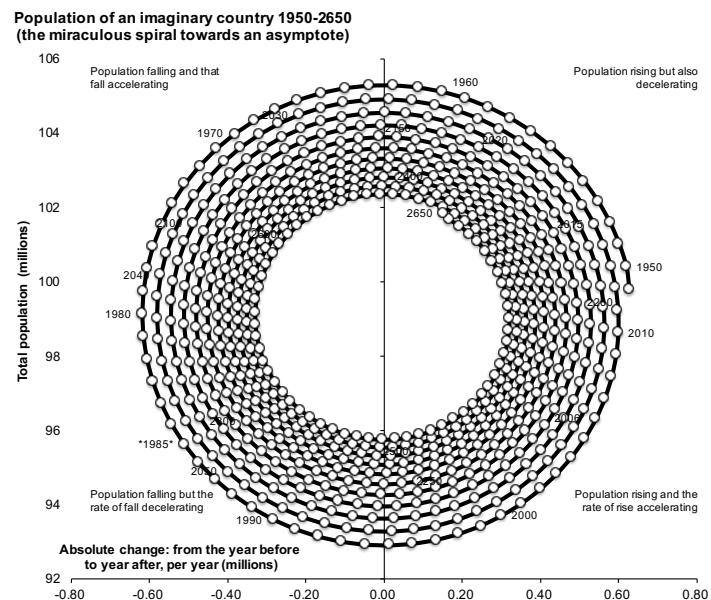


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Total population and its absolute change of an imaginary country, total population oscillates every 31.42 years, absolute change drops (1/1000), 1950-2650, (million people)

Source: An imaginary country. The data is created by the author as an example of acceleration and deceleration both slowing down.
 Period of total population 31.42
 Drop rate in absolute chang 1/1000
 Frequency: Yearly, End of period

Observation date	Absolute change (million)	Total population (million)	Label
1949	0.627	99.772	
1950	0.620	100.399	1950
1951	0.601	101.011	
1952	0.577	101.602	
1953	0.547	102.166	
1954	0.512	102.697	
1955	0.471	103.189	
1956	0.426	103.640	
1957	0.377	104.042	
1958	0.324	104.394	
1959	0.268	104.691	
1960	0.210	104.931	1960
1961	0.149	105.111	
1962	0.088	105.230	
1963	0.025	105.286	
1964	-0.038	105.280	
1965	-0.100	105.210	
1966	-0.161	105.079	
1967	-0.221	104.888	
1968	-0.278	104.638	
1969	-0.332	104.332	
1970	-0.383	103.974	1970
1971	-0.430	103.567	
1972	-0.472	103.115	
1973	-0.510	102.622	
1974	-0.542	102.095	
1975	-0.569	101.538	
1976	-0.591	100.956	
1977	-0.606	100.356	
1978	-0.615	99.744	
1979	-0.618	99.126	1980
1980	-0.615	98.508	
1981	-0.606	97.895	
1982	-0.591	97.295	
1983	-0.570	96.714	
1984	-0.543	96.156	
1985	-0.511	95.628	*1985*
1986	-0.474	95.134	
1987	-0.432	94.680	
1988	-0.386	94.270	
1989	-0.336	93.908	
1990	-0.283	93.598	1990
1991	-0.227	93.342	
1992	-0.169	93.143	
1993	-0.110	93.003	
1994	-0.049	92.924	
1995	0.011	92.905	
1996	0.072	92.946	
1997	0.132	93.049	
1998	0.190	93.210	
1999	0.247	93.429	
2000	0.300	93.703	2000
2001	0.351	94.030	
2002	0.398	94.405	
2003	0.441	94.826	
2004	0.479	95.287	
2005	0.513	95.784	
2006	0.541	96.313	*2006*
2007	0.564	96.867	
2008	0.582	97.442	
2009	0.593	98.031	
2010	0.599	98.628	2010
2011	0.598	99.228	
2012	0.592	99.825	
2013	0.579	100.412	
2014	0.561	100.984	
2015	0.538	101.535	2015
2016	0.509	102.059	
2017	0.475	102.552	
2018	0.436	103.008	
2019	0.393	103.424	
2020	0.346	103.794	2020
2021	0.296	104.116	
2022	0.243	104.386	
2023	0.188	104.602	
2024	0.131	104.762	
2025	0.072	104.864	
2026	0.013	104.906	
2027	-0.045	104.890	
2028	-0.104	104.816	
2029	-0.161	104.683	
2030	-0.216	104.494	2030
2031	-0.270	104.250	
2032	-0.320	103.954	
2033	-0.367	103.610	
2034	-0.410	103.220	
2035	-0.450	102.789	
2036	-0.484	102.321	
2037	-0.514	101.820	
2038	-0.538	101.293	
2039	-0.557	100.743	
2040	-0.571	100.178	2040
2041	-0.579	99.602	
2042	-0.581	99.020	
2043	-0.577	98.440	
2044	-0.567	97.867	
2045	-0.552	97.306	
2046	-0.531	96.763	
2047	-0.505	96.244	
2048	-0.474	95.753	
2049	-0.439	95.295	
2050	-0.399	94.875	2050
2051	-0.355	94.498	
2052	-0.307	94.166	
2053	-0.257	93.883	
2054	-0.204	93.651	
2055	-0.150	93.474	
2056	-0.094	93.352	
2057	-0.037	93.287	
2058	0.020	93.278	
2059	0.077	93.327	



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Total population and its absolute change of an imaginary country, total population oscillates every 100 years, absolute change drops (1/400), 1950-2650, (million people)

Source: An imaginary country. The data is created by the author as an example of acceleration and deceleration both slowing down.
 Period of total population 100.00
 Drop rate in absolute chang 1/400
 Frequency: Yearly, End of period

Observation date	Absolute change (million)	Total population (million)	Label
1949	0.001	98.657	
1950	0.001	98.658	1950
1951	0.001	98.659	
1952	0.002	98.660	
1953	0.002	98.662	
1954	0.002	98.664	
1955	0.002	98.666	
1956	0.003	98.669	
1957	0.003	98.672	
1958	0.003	98.675	
1959	0.004	98.679	
1960	0.004	98.683	1960
1961	0.004	98.687	
1962	0.005	98.691	
1963	0.005	98.696	
1964	0.005	98.701	
1965	0.005	98.706	
1966	0.006	98.712	
1967	0.006	98.718	
1968	0.006	98.724	
1969	0.006	98.730	
1970	0.007	98.737	1970
1971	0.007	98.743	
1972	0.007	98.750	
1973	0.007	98.758	
1974	0.008	98.765	
1975	0.008	98.773	
1976	0.008	98.781	
1977	0.008	98.788	
1978	0.008	98.797	
1979	0.008	98.805	1980
1980	0.009	98.813	
1981	0.009	98.822	
1982	0.009	98.831	
1983	0.009	98.840	
1984	0.009	98.849	
1985	0.009	98.858	*1985*
1986	0.009	98.867	
1987	0.009	98.876	
1988	0.009	98.885	
1989	0.009	98.895	
1990	0.009	98.904	1990
1991	0.010	98.914	
1992	0.010	98.923	
1993	0.010	98.933	
1994	0.010	98.943	
1995	0.010	98.952	
1996	0.010	98.962	
1997	0.010	98.971	
1998	0.010	98.981	
1999	0.010	98.990	
2000	0.009	99.000	2000
2001	0.009	99.009	
2002	0.009	99.019	
2003	0.009	99.028	
2004	0.009	99.037	
2005	0.009	99.047	
2006	0.009	99.056	*2006*
2007	0.009	99.065	
2008	0.009	99.074	
2009	0.009	99.082	
2010	0.009	99.091	2010
2011	0.008	99.100	
2012	0.008	99.108	
2013	0.008	99.116	
2014	0.008	99.124	
2015	0.008	99.132	2015
2016	0.008	99.140	
2017	0.007	99.147	
2018	0.007	99.155	
2019	0.007	99.162	
2020	0.007	99.169	2020
2021	0.007	99.176	
2022	0.006	99.182	
2023	0.006	99.189	
2024	0.006	99.195	
2025	0.006	99.201	
2026	0.006	99.206	
2027	0.005	99.212	
2028	0.005	99.217	
2029	0.005	99.222	
2030	0.005	99.227	2030
2031	0.004	99.231	
2032	0.004	99.235	
2033	0.004	99.239	
2034	0.004	99.243	
2035	0.003	99.247	
2036	0.003	99.250	
2037	0.003	99.253	
2038	0.003	99.255	
2039	0.002	99.258	
2040	0.002	99.260	2040
2041	0.002	99.262	
2042	0.001	99.263	
2043	0.001	99.265	
2044	0.001	99.266	
2045	0.001	99.267	
2046	0.000	99.267	
2047	0.000	99.267	
2048	0.000	99.267	
2049	0.000	99.267	
2050	-0.001	99.266	2050
2051	-0.001	99.266	
2052	-0.001	99.265	
2053	-0.001	99.263	
2054	-0.002	99.262	
2055	-0.002	99.260	
2056	-0.002	99.258	
2057	-0.002	99.256	
2058	-0.003	99.253	
2059	-0.003	99.250	

