Contents	World population, log-log scale
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http://www.dannydorling.org/

# Metadata

These reference tables are exactly the same in Fig21. The only difference between this file and Fig21 one is that both axes of the timeline in this file are shown on a log scale. In doing so, the slowndown can be more obviously seen. The graph besides each table shows the total population of that year in log scale, and the absolute change, also in log scale, over time. The x-axis is the absolute change while the y-axis is the total population, all in log scale. Each circle represents a certain year.

#### Total human population, with projections from 2017 UN report, worldwide, 1-2100, (billion people)

Source: Angus Maddison time series to 1950, then UN world population prospects 2017 onwards - central projection, https://population.un.org/wpp/Download/Standard/Population/; 25 June 2019 Frequency: Century before 1820 and decade since 1820, End of period

Observation date	Absolute change (billion people)	Total (billion people)	Label		
1	0.0000	0.23	1		
1000	0.0003	0.27	1000	100	World total hum
1500	0.0012	0.44	1500	100 ]	(log-log scale)
1600	0.0005	0.56	1600		( 5 5 5 5 5 7 7)
1700	0.0037	0.60	1700		When both axes of the ti
1820	0.0072	1.04			log scale the various slov
1830	0.0061	1.11			occurred at different time
1840	0.0049	1.16			apparent.
1850	0.0034	1.21			Estimates of global hum
1860	0.0030	1.23	1860	s)	rate of acceleration in the
1870	0.0065	1.27		6	current era was higher th
1880	0.0094	1.36	1880		long length of time. Hum
1890	0.0103	1.46		<b>q</b> )	out over the planet.
1900	0.0139	1.57	1900		Famine, plague, the dise
1910	0.0159	1.74			slowed the rate of human
1920	0.0180	1.88	1920	- die	worldwide for some time
1930	0.0217	2.10		Dr. La	Similarly, the death and
1940	0.0219	2.32	1940	P	the worldwide spread of
1950	0.0358	2.54		la	the 1820s, 1830s, 1840s
1960	0.0582	3.03	1960	tec	arowth in those decades
1970	0.0713	3.70		Ja	Growth also slowed dow
1980	0.0815	4.46	1980	ţ	the 1919 influenza pand
1990	0.0843	5.33		e	wars.
2000	0.0814	6.15	2000	ğ	is not due to famine, place
2010	0.0825	6.96		orl	The traditional four horse
2020	0.0797	7.80	2020		
2030	0.0707	8.55		L He	
2040	0.0610	9.21	2040	Ē	
2050	0.0506	9.77		9	
2060	0.0402	10.22	2060	de l	
2070	0.0313	10.58		ě	
2080	0.0237	10.85	2080	a	
2090	0.0168	11.05		,ë	1
2100	0.0134	11.18	2100	F	0

# World total human population, with UN 2017 projections, year 1 to year 2100 (log-log scale)



#### Total human population, with projections from 2019 UN report, worldwide, 1-2100, (billion people)

Source: Angus Maddison time series to 1950, then United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition; https://population.un.org/wpp/Download/Standard/Population/; 25 June 2019 Frequency: Century before 1820 and decade since 1820, End of period

Observation date	Absolute change (billion people)	Total (billion people)	Label	
1	0.0000	0.23	1	
1000	0.0003	0.27	1000	100
1500	0.0012	0.44	1500	100
1600	0.0005	0.56	1600	
1700	0.0037	0.60	1700	
1820	0.0072	1.04		
1830	0.0061	1.11		
1840	0.0049	1.16		
1850	0.0034	1.21		
1860	0.0030	1.23	1860	s)
1870	0.0065	1.27		u
1880	0.0094	1.36	1880	iii ii
1890	0.0103	1.46		4
1900	0.0139	1.57	1900	e 10
1910	0.0159	1.74		Sct Sct
1920	0.0180	1.88	1920	ō
1930	0.0217	2.10		g
1940	0.0219	2.32	1940	pu
1950	0.0358	2.54		a
1960	0.0582	3.03	1960	tec
1970	0.0712	3.70		na
1980	0.0813	4.46	1980	stir
1990	0.0843	5.33		ë
2000	0.0815	6.14	2000	ğ
2010	0.0826	6.96		õ
2020	0.0796	7.79	2020	<b>s</b>
2030	0.0702	8.55		, ţ
2040	0.0593	9.20	2040	<b>.</b>
2050	0.0476	9.74		e
2060	0.0362	10.15	2060	do
2070	0.0261	10.46		be
2080	0.0175	10.67	2080	a
2090	0.0101	10.81		ğ
2100	0.0065	10.87	2100	F



#### Human population, aged 0-20, with projections from 2019 UN report, worldwide, 1950-2050, (billion people)

Source: United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition; https://population.un.org/wpp/Download/Standard/Population/; 25 June 2019 Note: The log scale cannot deal with negative number, hence the timeline here is restricted to 1950-2050 Frequency: Decade, End of period

Observation date	Absolute change (billion people)	Total (billion people)	Label
1950	0.0281	1.16	1950
1960	0.0335	1.44	1960
1970	0.0336	1.83	1970
1980	0.0271	2.11	1980
1990	0.0209	2.37	1990
2000	0.0117	2.53	2000
2010	0.0095	2.60	2010
2020	0.0103	2.72	2020
2030	0.0059	2.81	2030
2040	0.0027	2.83	2040
2050	0.0019	2.86	2050
2060	-0.0007	2.87	
2070	-0.0033	2.85	
2080	-0.0048	2.81	
2090	-0.0064	2.75	
2100	-0.0073	2.68	2100

10.0 (log-log scale) Total people aged 0-20 in the world, estimated and projected (billions) The slowdown is projected to stop temporarily in 2020, and then continue soon after. 2050 2040 2030 2020 **Q**000 d' 1990 റ 2010 1970 Acceleration continued till 1960. 1960 O 1950 Absolute change: increase in worldwide population per year (billions) 1.0 0.00 0.01 0.10

1.00

World human population, aged 0-20, with UN 2019 projections, 1950-2050

#### Human population, aged 21-40, with projections from 2019 UN report, worldwide, 1950-2070, (billion people)

Source: United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition; https://population.un.org/wpp/Download/Standard/Population/; 25 June 2019 Note: The log scale cannot deal with negative number, hence the timeline here is restricted to 1950-2070 Frequency: Decade, End of period

Observation date	Absolute change (billion people)	Total (billion people)	Label
1950	0.0113	0.74	1950
1960	0.0118	0.85	1960
1970	0.0198	0.97	1970
1980	0.0325	1.25	1980
1990	0.0327	1.63	1990
2000	0.0259	1.90	2000
2010	0.0212	2.14	2010
2020	0.0132	2.32	2020
2030	0.0101	2.41	2030
2040	0.0108	2.53	2040
2050	0.0062	2.62	2050
2060	0.0031	2.65	2060
2070	0.0024	2.68	2070
2080	-0.0001	2.70	2080
2090	-0.0026	2.68	2090
2100	-0.0034	2.65	2100



#### Human population, aged 41-60, with projections from 2019 UN report, worldwide, 1950-2100, (billion people)

Source: United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition; https://population.un.org/wpp/Download/Standard/Population/; 25 June 2019 Frequency: Decade, End of period

Observation date	Absolute change (billion people)	Total (billion people)	Label
1950	0.0073	0.46	1950
1960	0.0081	0.53	1960
1970	0.0109	0.62	1970
1980	0.0130	0.75	1980
1990	0.0198	0.88	1990
2000	0.0311	1.14	2000
2010	0.0315	1.50	2010
2020	0.0256	1.77	2020
2030	0.0209	2.01	
2040	0.0133	2.19	
2050	0.0106	2.28	2050
2060	0.0113	2.40	2060
2070	0.0069	2.51	2070
2080	0.0038	2.54	2080
2090	0.0032	2.58	
2100	0.0024	2.61	2100



#### Human population, aged 61-80, with projections from 2019 UN report, worldwide, 1950-2100, (billion people)

Source: United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition; https://population.un.org/wpp/Download/Standard/Population/; 25 June 2019 Frequency: Decade, End of period

Observation date	Absolute change (billion people)	Total (billion people)	Label
1950	0.0028	0.17	1950
1960	0.0043	0.20	1960
1970	0.0062	0.26	1970
1980	0.0075	0.33	1980
1990	0.0092	0.41	1990
2000	0.0106	0.51	2000
2010	0.0172	0.62	2010
2020	0.0264	0.85	2020
2030	0.0263	1.15	2030
2040	0.0224	1.38	2040
2050	0.0190	1.60	2050
2060	0.0127	1.76	2060
2070	0.0111	1.85	2070
2080	0.0120	1.98	2080
2090	0.0082	2.09	2090
2100	0.0056	2.15	2100



#### Human population, aged 81-100, with projections from 2019 UN report, worldwide, 1950-2100, (billion people)

Source: United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019, Online Edition; https://population.un.org/wpp/Download/Standard/Population/; 25 June 2019 Frequency: Decade, End of period

Observation date	Absolute change (billion people)	Total (billion people)	Label
1950	0.0003	0.01	1950
1960	0.0005	0.01	1960
1970	0.0007	0.02	1970
1980	0.0012	0.03	1980
1990	0.0016	0.05	1990
2000	0.0022	0.06	2000
2010	0.0033	0.09	2010
2020	0.0042	0.13	2020
2030	0.0070	0.17	2030
2040	0.0101	0.27	2040
2050	0.0099	0.37	2050
2060	0.0099	0.46	2060
2070	0.0090	0.57	2070
2080	0.0066	0.64	2080
2090	0.0077	0.70	2090
2100	0.0093	0.80	2100

1.0 **Q** 2100 2090 80 2070 The slowdown in this age group does not occur until after 2040 and is very mild compared to the 0 2060 Total people aged 81-100 in the world, estimated and projected (billions) 0 2050 slowdown in other age groups. One reason might be that the UN expects people to be more likely to live to over 80 in the future. 2040 2030 2020 0.1 2010 2000 1990 1980 1970 1960

Absolute change: increase in worldwide population per year (billions)

0.100

1.000

0.010

World human population, aged 81-100, with UN 2019 projections, 1950-2100

(log-log scale)

0 1950

0.001

0.0 0.000