

# US population data from the 2004 World Almanac

For use in problem set 4

February 6, 2005

## 1 Total population

Year	Total population
1790	3929000
1800	5308000
1810	7240000
1820	9638000
1830	12866000
1840	17068953
1850	23191876
1860	31443321
1870	38558371
1880	50189209
1890	62929766
1900	76212168
1910	92228496
1920	106021537
1930	123202624
1940	132164569
1950	151325798
1960	179323175
1970	203302031
1980	226542203
1990	248709873
2000	282421906

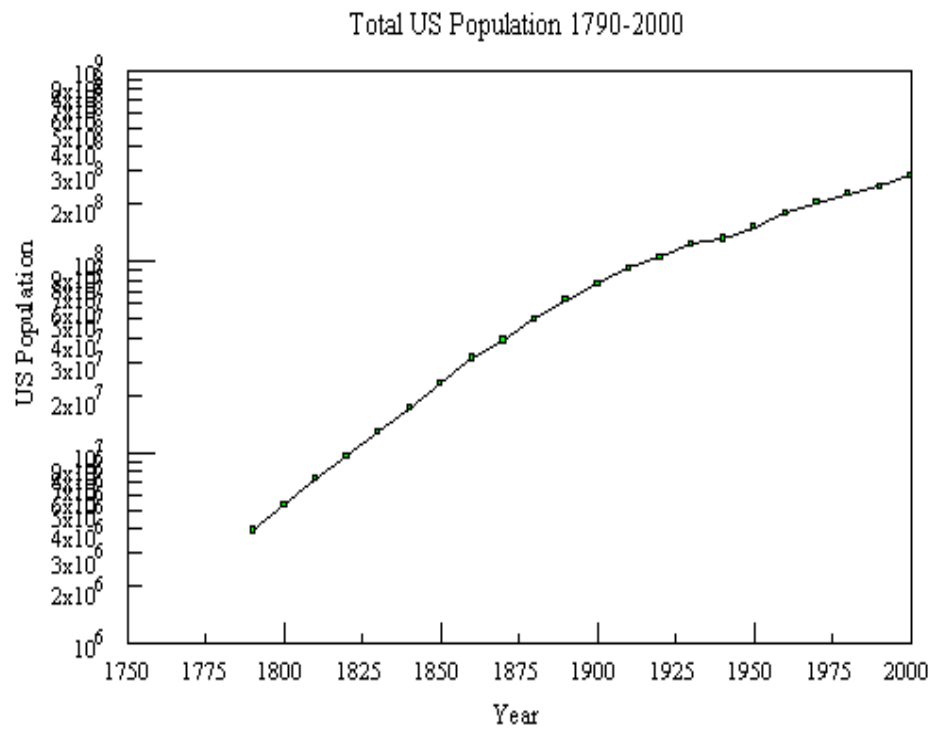


Figure 1. The log of total US population versus year.

## 2 Projected age distribution in 2010

Age group in years	Fraction of total population
<5	.067
5-15	.131
15-24	.143
25-35	.13
35-44	.132
45-54	.147
55-64	.118
>65	.132

## 3 Birth and death rates in 2000

Total number of deaths: 2,403,351

Total number of births: 4,058,814

To get the distribution of births across age groups we use data for 1950-2000:

Age group in years	Births in this age group per 1000 women	Fraction of total births
<5	0	0
5-14	2	.004
15-24	214.7	.457
25-34	204.7	.436
35-44	47.7	.102
45-54	.7	.001
55-64	0	0
> 65	0	0

	Age group in years	Deaths	Fraction of total deaths
The age distribution of deaths:	<5	33014	.014
	5-14	7413	.003
	15-24	31307	.013
	25-34	40451	.017
	35-44	89798	.037
	45-54	160341	.067
	55-64	240846	.100
	> 65	1799825	.749