

Year	Census Data	Exponential Model	Logistic Model
1790	3.93	3.93	3.93
1800	5.31	5.19	5.300442034
1810	7.24	6.84	7.134974255
1820	9.64	9.03	9.579698718
1830	12.87	11.92	12.81805324
1840	17.07	15.73	17.07369254
1850	23.19	20.76	22.60810824
1860	31.44	27.39	29.70866212
1870	39.82	36.15	38.66178965
1880	50.19	47.70	49.70700164
1890	62.95	62.95	62.97189172
1900	76.21	83.07	78.39797831
1910	92.23	109.63	95.68002227
1920	106.02	144.67	114.2499939
1930	122.78	190.91	133.3302131
1940	132.16	251.94	152.0538105
1950	150.7	332.47	169.6166177
1960	179.32	438.75	185.4067981
1970	203.3	579.00	199.0712444
1980	226.54	764.08	210.5107005
1990	248.71	1008.32	219.8247433
2000	281.42	1330.64	227.2380138
2010	308.75	1755.98	233.0324953
2020		2317.29	237.4978722

Use t=100  
1890

r=

**0.027737013**

k=

**250.9992**

a=

**0.000121**

Use t=50 & 100

1840 & 1890

