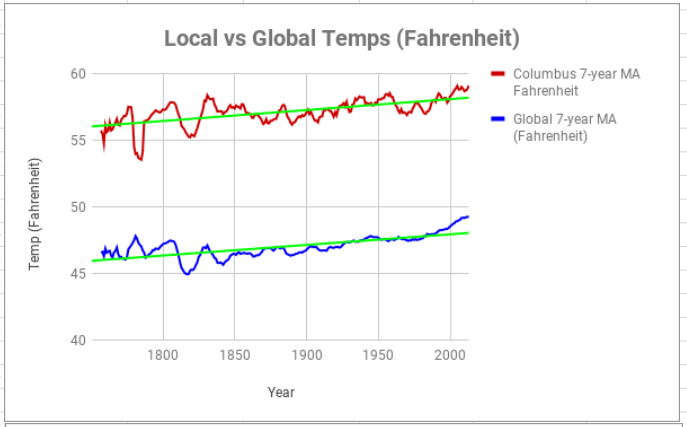
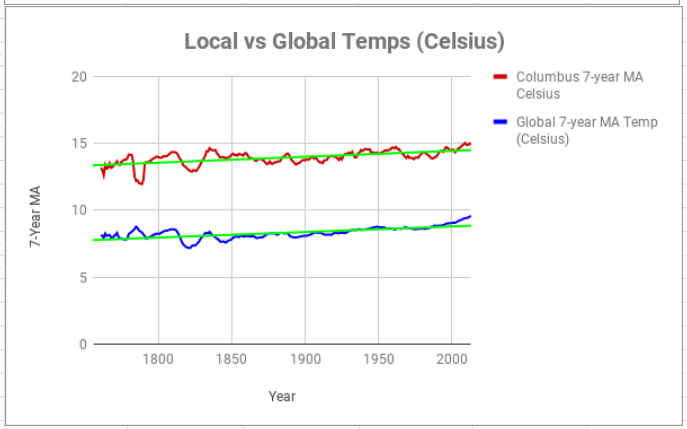
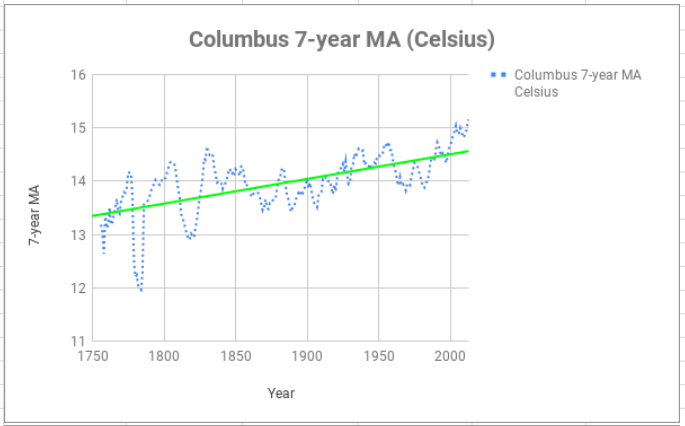
Year	Columbus avg_temp (Celsius)	Columbus 7-year MA Celsius	Columbus avg_temp (Fahrenheit)	Columbus 7-year MA Fahrenheit	Global avg_temp (Celsius)	Global 7-year MA Temp (Celsius)	Global avg_temp (Fahrenheit)	Global 7-year MA(Fahrenheit)
1750	14.62		58.316		8.72		47.696	
1751	15.36		59.648		7.98		46.364	
1752	8.3		46.94		5.78		42.404	
1753	14		57.2		8.39		47.102	
1754	14.11		57.398		8.47		47.246	
1755	11.66		52.988		8.36		47.048	
1756	14.24	13.18428571	57.632	55.73171429	8.85	8.078571429	47.93	46.54142857
1757	13.62	13.04142857	56.516	55.47457143	9.02	8.121428571	48.236	46.61857143
1758	12.55	12.64	54.59	54.752	6.74	7.944285714	44.132	46.29971429
1759	13.55	13.39	56.39	56.102	7.99	8.26	46.382	46.868
1760	12.1	13.11857143	53.78	55.61342857	7.19	8.088571429	44.942	46.55942857
1761	14.52	13.17714286	58.136	55.71885714	8.77	8.131428571	47.786	46.63657143
1762	14	13.51142857	57.2	56.32057143	8.61	8.167142857	47.498	46.70085714
1763	11.94	13.18285714	53.492	55.72914286	7.5	7.974285714	45.5	46.35371429
1764	13.96	13.23142857	57.128	55.81657143	8.4	7.885714286	47.12	46.19428571
1765	13.58	13.37857143	56.444	56.08142857	8.25	8.101428571	46.85	46.58257143
1766	14.45	13.50714286	58.01	56.31285714	8.41	8.161428571	47.138	46.69057143
1767	13.22	13.66714286	55.796	56.60085714	8.22	8.308571429	46.796	46.95542857
1768	12.86	13.43	55.148	56.174	6.78	8.024285714	44.204	46.44371429
1769	13.73	13.39142857	56.714	56.10457143	7.69	7.892857143	45.842	46.20714286
1770	13.59	13.62714286	56.462	56.52885714	7.69	7.92	45.842	46.256
1771	14.48	13.70142857	58.064	56.66257143	7.85	7.841428571	46.13	46.11457143
1772	14.23	13.79428571	57.614	56.82971429	8.19	7.832857143	46.742	46.09914286
1773	14.37	13.78285714	57.866	56.80914286	8.22	7.805714286	46.796	46.05028571
1774	13.93	13.88428571	57.074	56.99171429	8.77	7.884285714	47.786	46.19171429
1775	14.86	14.17	58.748	57.506	9.18	8.227142857	48.524	46.80885714
1776	13.64	14.15714286	56.552	57.48285714	8.3	8.314285714	46.94	46.96571429
1777	13.56	14.15285714	56.408	57.47514286	8.26	8.395714286	46.868	47.11228571
1778	11.19	13.68285714	52.142	56.62914286	8.54	8.494285714	47.372	47.28971429
1779	6.06	12.51571429	42.908	54.52828571	8.98	8.607142857	48.164	47.49285714
1780		12.20666667		53.972	9.43	8.78	48.974	47.804
1781	14.13	12.24	57.434	54.032	8.1	8.684285714	46.58	47.63171429
1782	13.65	12.03833333	56.57	53.669	7.9	8.501428571	46.22	47.30257143
1783	13.4	11.99833333	56.12	53.597	7.68	8.412857143	45.824	47.14314286
1784	13.35	11.96333333	56.03	53.534	7.86	8.355714286	46.148	47.04028571
1785	13.16	12.29166667	55.688	54.125	7.36	8.187142857	45.248	46.73685714
1786	13.7	13.565	56.66	56.417	8.26	8.084285714	46.868	46.55171429
1787	13.73	13.58857143	56.714	56.45942857	8.03	7.884285714	46.454	46.19171429
1788	14.24	13.60428571	57.632	56.48771429	8.45	7.934285714	47.21	46.28171429
1789	13.98	13.65142857	57.164	56.57257143	8.33	7.995714286	46.994	46.39228571
1790	13.89	13.72142857	57.002	56.69857143	7.98	8.038571429	46.364	46.46942857
1791	14.08	13.82571429	57.344	56.88628571	8.23	8.091428571	46.814	46.56457143
1792	13.57	13.88428571	56.426	56.99171429	8.09	8.195714286	46.562	46.75228571
1793	14.15	13.94857143	57.47	57.10742857	8.23	8.191428571	46.814	46.74457143
1794	14.25	14.02285714	57.65	57.24114286	8.53	8.262857143	47.354	46.87314286
1795	13.97	13.98428571	57.146	57.17171429	8.35	8.248571429	47.03	46.84742857
1796	13.78	13.95571429	56.804	57.12028571	8.27	8.24	46.886	46.832
1797	13.7	13.92857143	56.66	57.07142857	8.51	8.315714286	47.318	46.96828571
1798	14.45	13.98142857	58.01	57.16657143	8.67	8.378571429	47.606	47.08142857
1799	14.12	14.06	57.416	57.308	8.51	8.438571429	47.318	47.18942857
1800	14.02	14.04142857	57.236	57.27457143	8.48	8.474285714	47.264	47.25371429
1801	14.38	14.06	57.884	57.308	8.59	8.482857143	47.462	47.26914286

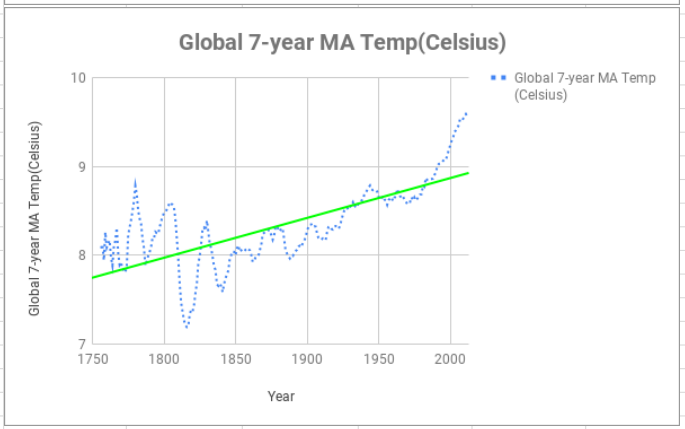
	Columbus Temp Statistics (Celsius)	Global Temp Statistics (Celsius)	Columbus Temp Statistics (Fahrenheit)	Global Temp Statistics (Fahrenheit)
Minimum	6.06	5.78	42.908	42.404
Maximum	16.05	9.73	60.89	49.514
Overall Average	13.9856654	8.359393939	57.17419772	47.04690909
Standard Deviation	0.93718121	0.5751842258	1.686926178	1.035331607
1st Quartile	13.59	8.0775	56.462	46.5395
3rd Quartile	14.45	8.7	58.01	47.66
Outlier Floor	**12.3**	**7.14375**	54.14	44.85875
Outlier Ceiling	14.88	9.01125	58.784	49.34075





1802	14.59	14.14857143	58.262	57.46742857	8.58	8.515714286	47.444	47.32828571
1803	14.45	14.24428571	58.01	57.63971429	8.5	8.548571429	47.3	47.38742857
1804	14.39	14.34285714	57.902	57.81714286	8.84	8.595714286	47.912	47.47228571
1805	14.59	14.36285714	58.262	57.85314286	8.56	8.58	47.408	47.444
1806	14.06	14.35428571	57.308	57.83771429	8.43	8.568571429	47.174	47.42342857
1807	13.84	14.32857143	56.912	57.79142857	8.28	8.54	46.904	47.372
1808	13.81	14.24714286	56.858	57.64485714	7.63	8.402857143	45.734	47.12514286
1809	13.01	14.02142857	55.418	57.23857143	7.08	8.188571429	44.744	46.73942857
1810	13.18	13.84	55.724	56.912	6.92	7.962857143	44.456	46.33314286
1811	13.33	13.68857143	55.994	56.63942857	6.86	7.68	44.348	45.824
1812	12.44	13.38142857	54.392	56.08657143	7.05	7.464285714	44.69	45.43571429
1813	13.52	13.30428571	56.336	55.94771429	7.74	7.365714286	45.932	45.25828571
1814	13.31	13.22857143	55.958	55.81142857	7.59	7.267142857	45.662	45.08085714
1815	12.88	13.09571429	55.184	55.57228571	7.24	7.211428571	45.032	44.98057143
1816	12.43	13.01285714	54.374	55.42314286	6.94	7.191428571	44.492	44.94457143
1817	12.53	12.92	54.554	55.256	6.98	7.2	44.564	44.96
1818	13.19	12.9	55.742	55.22	7.83	7.338571429	46.094	45.20942857
1819	13.24	13.01428571	55.832	55.42571429	7.37	7.384285714	45.266	45.29171429
1820	13.25	12.97571429	55.85	55.35628571	7.62	7.367142857	45.716	45.26085714
1821	13.08	12.94285714	55.544	55.29714286	8.09	7.438571429	46.562	45.38942857
1822	14.14	13.12285714	57.452	55.62114286	8.19	7.574285714	46.742	45.63371429
1823	13.5	13.27571429	56.3	55.89628571	7.72	7.685714286	45.896	45.83428571
1824	14.03	13.49	57.254	56.282	8.55	7.91	47.39	46.238
1825	14.66	13.7	58.388	56.66	8.39	7.99	47.102	46.382
1826	14.35	13.85857143	57.83	56.94542857	8.36	8.131428571	47.048	46.63657143
1827	14.74	14.07142857	58.532	57.32857143	8.81	8.301428571	47.858	46.94257143
1828	15.57	14.42714286	60.026	57.96885714	8.17	8.312857143	46.706	46.96314286
1829	13.97	14.40285714	57.146	57.92514286	7.94	8.277142857	46.292	46.89885714
1830	15.23	14.65	59.414	58.37	8.52	8.391428571	47.336	47.10457143
1831	13.27	14.54142857	55.886	58.17457143	7.64	8.261428571	45.752	46.87057143
1832	14.28	14.48714286	57.704	58.07685714	7.45	8.127142857	45.41	46.62885714
1833	14.39	14.49285714	57.902	58.08714286	8.01	8.077142857	46.418	46.53885714
1834	14.88	14.51285714	58.784	58.12314286	8.15	7.982857143	46.67	46.36914286
1835	13.81	14.26142857	56.858	57.67057143	7.39	7.871428571	45.302	46.16857143
1836	13.2	14.15142857	55.76	57.47257143	7.7	7.837142857	45.86	46.10685714
1837	13.97	13.97142857	57.146	57.14857143	7.38	7.674285714	45.284	45.81371429
1838	13.36	13.98428571	56.048	57.17171429	7.51	7.655714286	45.518	45.78028571
1839	14.24	13.97857143	57.632	57.16142857	7.63	7.681428571	45.734	45.82657143
1840	14.43	13.98428571	57.974	57.17171429	7.8	7.651428571	46.04	45.77257143
1841	14	13.85857143	57.2	56.94542857	7.69	7.585714286	45.842	45.65428571
1842	14.41	13.94428571	57.938	57.09971429	8.02	7.675714286	46.436	45.81628571
1843	13.33	13.96285714	55.994	57.13314286	8.17	7.742857143	46.706	45.93714286
1844	14.48	14.03571429	58.064	57.26428571	7.65	7.781428571	45.77	46.00657143
1845	14.29	14.16857143	57.722	57.50342857	7.85	7.83	46.13	46.094
1846	14.72	14.23714286	58.496	57.62685714	8.55	7.961428571	47.39	46.33057143
1847	13.7	14.13285714	56.66	57.43914286	8.09	8.002857143	46.562	46.40514286
1848	14.15	14.15428571	57.47	57.47771429	7.98	8.044285714	46.364	46.47971429
1849	14.02	14.09857143	57.236	57.37742857	7.98	8.038571429	46.364	46.46942857
1850	14.21	14.22428571	57.578	57.60371429	7.9	8	46.22	46.4
1851	14.14	14.17571429	57.452	57.51628571	8.18	8.075714286	46.724	46.53628571
1852	14.19	14.16142857	57.542	57.49057143	8.1	8.111428571	46.58	46.60057143
1853	14.28	14.09857143	57.704	57.37742857	8.04	8.038571429	46.472	46.46942857
1854	14.96	14.27857143	58.928	57.70142857	8.21	8.055714286	46.778	46.50028571
1855	14.1	14.27142857	57.38	57.68857143	8.11	8.074285714	46.598	46.53371429
1856	12.84	14.10285714	55.112	57.38514286	8	8.077142857	46.4	46.53885714
1857	12.88	13.91285714	55.184	57.04314286	7.76	8.057142857	45.968	46.50285714





1858	14.22	13.92428571	57.596	57.06371429	8.1	8.045714286	46.58	46.48228571	
1859	13.93	13.88714286	57.074	56.99685714	8.25	8.067142857	46.85	46.52085714	
1860	14.11	13.86285714	57.398	56.95314286	7.96	8.055714286	46.328	46.50028571	
1861	13.93	13.71571429	57.074	56.68828571	7.85	8.004285714	46.13	46.40771429	
1862	14.06	13.71	57.308	56.678	7.56	7.925714286	45.608	46.26628571	
1863	13.57	13.81428571	56.426	56.86571429	8.11	7.941428571	46.598	46.29457143	
1864	13.24	13.86571429	55.832	56.95828571	7.98	7.972857143	46.364	46.35114286	
1865	14.04	13.84	57.272	56.912	8.18	7.984285714	46.724	46.37171429	
1866	13.37	13.76	56.066	56.768	8.29	7.99	46.922	46.382	
1867	13.68	13.69857143	56.624	56.65742857	8.44	8.058571429	47.192	46.50542857	
1868	13.07	13.57571429	55.526	56.43628571	8.25	8.115714286	46.85	46.60828571	
1869	13.2	13.45285714	55.76	56.21514286	8.43	8.24	47.174	46.832	
1870	13.91	13.50142857	57.038	56.30257143	8.2	8.252857143	46.76	46.85514286	
1871	14.34	13.65857143	57.812	56.58542857	8.12	8.272857143	46.616	46.89114286	
1872	12.89	13.49428571	55.202	56.28971429	8.19	8.274285714	46.742	46.89371429	
1873	13.26	13.47857143	55.868	56.26142857	8.35	8.282857143	47.03	46.90914286	
1874	14.45	13.58857143	58.01	56.45942857	8.43	8.281428571	47.174	46.90657143	
1875	13.05	13.58571429	55.49	56.45428571	7.86	8.225714286	46.148	46.80628571	
1876	13.56	13.63714286	56.408	56.54685714	8.08	8.175714286	46.544	46.71628571	
1877	14.1	13.66428571	57.38	56.59571429	8.54	8.224285714	47.372	46.80371429	
1878	14.37	13.66857143	57.866	56.60342857	8.83	8.325714286	47.894	46.98628571	
1879	14.22	13.85857143	57.596	56.94542857	8.17	8.322857143	46.706	46.98114286	
1880	14.4	14.02142857	57.92	57.23857143	8.12	8.29	46.616	46.922	
1881	14.54	14.03428571	58.172	57.26171429	8.27	8.267142857	46.886	46.88085714	
1882	14.23	14.20285714	57.614	57.56514286	8.13	8.305714286	46.634	46.95028571	
1883	13.9	14.25142857	57.02	57.65257143	7.98	8.291428571	46.364	46.92457143	
1884	13.68	14.19142857	56.624	57.54457143	7.77	8.181428571	45.986	46.72657143	
1885	12.43	13.91428571	54.374	57.04571429	7.92	8.051428571	46.256	46.49257143	
1886	12.91	13.72714286	55.238	56.70885714	7.95	8.02	46.31	46.436	
1887	13.88	13.65285714	56.984	56.57514286	7.91	7.99	46.238	46.382	
1888	13.46	13.49857143	56.228	56.29742857	8.09	7.964285714	46.562	46.33571429	
1889	13.71	13.42428571	56.678	56.16371429	8.32	7.991428571	46.976	46.38457143	
1890	14.58	13.52142857	58.244	56.33857143	7.97	7.99	46.346	46.382	
1891	13.73	13.52857143	56.714	56.35142857	8.02	8.025714286	46.436	46.44628571	
1892	13.22	13.64142857	55.796	56.55457143	8.07	8.047142857	46.526	46.48485714	
1893	13.5	13.72571429	56.3	56.70628571	8.06	8.062857143	46.508	46.51314286	
1894	14.25	13.77857143	57.65	56.80142857	8.16	8.098571429	46.688	46.57742857	
1895	13.14	13.73285714	55.652	56.71914286	8.15	8.107142857	46.67	46.59285714	
1896	14.36	13.82571429	57.848	56.88628571	8.21	8.091428571	46.778	46.56457143	
1897	14.25	13.77857143	57.65	56.80142857	8.29	8.137142857	46.922	46.64685714	
1898	14.09	13.83	57.362	56.894	8.18	8.16	46.724	46.688	
1899	13.96	13.93571429	57.128	57.08428571	8.4	8.207142857	47.12	46.77285714	
1900	14.27	14.04571429	57.686	57.28228571	8.5	8.27	47.3	46.886	
1901	13.02	13.87	55.436	56.966	8.54	8.324285714	47.372	46.98371429	
1902	13.86	13.97285714	56.948	57.15114286	8.3	8.345714286	46.94	47.02228571	
1903	13.41	13.83714286	56.138	56.90685714	8.22	8.347142857	46.796	47.02485714	
1904	13.17	13.68285714	55.706	56.62914286	8.09	8.318571429	46.562	46.97342857	
1905	13.45	13.59142857	56.21	56.46457143	8.23	8.325714286	46.814	46.98628571	
1906	14	13.59714286	57.2	56.47485714	8.38	8.322857143	47.084	46.98114286	
1907	13.75	13.52285714	56.75	56.34114286	7.95	8.244285714	46.31	46.83971429	
1908	14.48	13.73142857	58.064	56.71657143	8.19	8.194285714	46.742	46.74971429	
1909	14.04	13.75714286	57.272	56.76285714	8.18	8.177142857	46.724	46.71885714	
1910	13.54	13.77571429	56.372	56.79628571	8.22	8.177142857	46.796	46.71885714	
1911	14.97	14.03285714	58.946	57.25914286	8.18	8.19	46.724	46.742	
1912	13.3	14.01142857	55.94	57.22057143	8.17	8.181428571	46.706	46.72657143	
1913	14.41	14.07	57.938	57.326	8.3	8.17	46.94	46.706	

Outline:

I used this SQL code: SELECT * FROM city_list WHERE country = 'United States' to look at the cities available in the US.

This SQL code to extract the Columbus yearly average temperatures:
SELECT year, avg_temp
FROM city_data
WHERE city = 'Columbus' AND country = 'United States'

Temp data was missing from years 1746-1749 and year 1780.

I then exported and download it as an CSV file onto my personal computer.

This SQL code to extract the global annual average temps:
SELECT *
FROM global_data

No temperatures was missing, but it started at 1750.

I opened a new Google Sheet and imported the Columbus temp data, then imported the global temp data into the same spreadsheet.

Two Deletions:
Deleted rows containing years 1743-1749 in the Columbus data because the global data started at 1750.
Deleted the last two rows of the Global temps (years 2014 and 2015) because Columbus did not have temps for those years

I added two new columns for a 7 year moving average for local and global data.

I then added four new columns to convert the temperatures from celsius to fahrenheit using the Google Sheets function convert(#value, ‘C’, ‘F’). I computed the 7-year moving averages for the fahrenheit temperatures.

It should be clear what units these temperatures were in, so I converted the original temperatures to Fahrenheit, and label the original temps with ‘Celsius’. Converting the temperatures to Fahrenheit also made more sense of the data for me given I am accustomed to measuring temperature in Fahrenheit in the United States.

Line Charts:
I created four charts: 2 charts showing both the local and global temperatures, one in celsius and one in fahrenheit temps, and 2 charts showing the the local and global temperature individually. I created the separate line charts for the global and local temps to illustrate the increasing trends. The celsius global and local temp charts sufficed to show their inceasing trend line.

Observations:

From years 1750 to 2013 Columbus, OH in the US was on average hotter than the global average temperatures with an overall average (from averaging all the yearly average) of about 13.99 celsius versus the global overall average of 8.36 celsius.

Both the global and local temperature trend lines indicate trends with positive slopes, therefore overall rates of overall, therefore increasing temperatures.

The Columbus annual average temps have more variability, or higher standard deviation, than than the standard deviation of the global annual averages. In other words, there is greater ‘spread’ of the temps, or greater differences between the temps and the overall average in the local data.

The year of 1779 is the only year where Columbus had a annual average temperature lower than the global annual average temperature and the year where Columbus had its lowest annual temperature. There’s a good chance that the 1779 annual average of 6.06 celsius is a mistake because it is below Q1 - 1.5*(Q3 - Q1) or the ‘outlier floor’ at a difference larger than all the other temps.

1914	13.79	14.07571429	56.822	57.33628571	8.59	8.261428571	47.462	46.87057143
1915	13.92	13.99571429	57.056	57.19228571	8.59	8.318571429	47.462	46.97342857
1916	14.06	13.99857143	57.308	57.19742857	8.23	8.325714286	46.814	46.98628571
1917	12.72	13.88142857	54.896	56.98657143	8.02	8.297142857	46.436	46.93485714
1918	14.1	13.75714286	57.38	56.76285714	8.13	8.29	46.634	46.922
1919	14.57	13.93857143	58.226	57.08942857	8.38	8.32	47.084	46.976
1920	13.5	13.80857143	56.3	56.85542857	8.36	8.328571429	47.048	46.99142857
1921	15.52	14.05571429	59.936	57.30028571	8.57	8.325714286	47.426	46.98628571
1922	14.93	14.2	58.874	57.56	8.41	8.3	47.138	46.94
1923	14.14	14.21142857	57.452	57.58057143	8.42	8.327142857	47.156	46.98885714
1924	13.08	14.26285714	55.544	57.67314286	8.51	8.397142857	47.318	47.11485714
1925	14.53	14.32428571	58.154	57.78371429	8.53	8.454285714	47.354	47.21771429
1926	13.54	14.17714286	56.372	57.51885714	8.73	8.504285714	47.714	47.30771429
1927	14.86	14.37142857	58.748	57.86857143	8.52	8.527142857	47.336	47.34885714
1928	13.66	14.10571429	56.588	57.39028571	8.63	8.535714286	47.534	47.36428571
1929	13.83	13.94857143	56.894	57.10742857	8.24	8.511428571	46.832	47.32057143
1930	14.35	13.97857143	57.83	57.16142857	8.63	8.541428571	47.534	47.37457143
1931	15.1	14.26714286	59.18	57.68085714	8.72	8.571428571	47.696	47.42857143
1932	14.68	14.28857143	58.424	57.71942857	8.71	8.597142857	47.678	47.47485714
1933	15.12	14.51428571	59.216	58.12571429	8.34	8.541428571	47.012	47.37457143
1934	14.36	14.44285714	57.848	57.99714286	8.63	8.557142857	47.534	47.40285714
1935	14.23	14.52428571	57.614	58.14371429	8.52	8.541428571	47.336	47.37457143
1936	14.38	14.60285714	57.884	58.28514286	8.55	8.585714286	47.39	47.45428571
1937	14.06	14.56142857	57.308	58.21057143	8.7	8.595714286	47.66	47.47228571
1938	15.05	14.55428571	59.09	58.19771429	8.86	8.615714286	47.948	47.50828571
1939	14.82	14.57428571	58.676	58.23371429	8.76	8.622857143	47.768	47.52114286
1940	13.22	14.30285714	55.796	57.74514286	8.76	8.682857143	47.768	47.62914286
1941	14.6	14.33714286	58.28	57.80685714	8.77	8.702857143	47.786	47.66514286
1942	14.06	14.31285714	57.308	57.76314286	8.73	8.732857143	47.714	47.71914286
1943	14.08	14.27	57.344	57.686	8.76	8.762857143	47.768	47.77314286
1944	14.46	14.32714286	58.028	57.78885714	8.85	8.784285714	47.93	47.81171429
1945	14.32	14.22285714	57.776	57.60114286	8.58	8.744285714	47.444	47.73971429
1946	14.97	14.24428571	58.946	57.63971429	8.68	8.732857143	47.624	47.71914286
1947	13.94	14.34714286	57.092	57.82485714	8.8	8.738571429	47.84	47.72942857
1948	14.47	14.32857143	58.046	57.79142857	8.75	8.735714286	47.75	47.72428571
1949	15.12	14.48	59.216	58.064	8.59	8.715714286	47.462	47.68828571
1950	14.09	14.48142857	57.362	58.06657143	8.37	8.66	47.066	47.588
1951	14.41	14.47428571	57.938	58.05371429	8.63	8.628571429	47.534	47.53142857
1952	14.74	14.53428571	58.532	58.16171429	8.64	8.637142857	47.552	47.54685714
1953	14.98	14.53571429	58.964	58.16428571	8.87	8.664285714	47.966	47.59571429
1954	14.96	14.68142857	58.928	58.42657143	8.56	8.63	47.408	47.534
1955	14.63	14.70428571	58.334	58.46771429	8.63	8.612857143	47.534	47.50314286
1956	14.63	14.63428571	58.334	58.34171429	8.28	8.568571429	46.904	47.42342857
1957	14.82	14.73857143	58.676	58.52942857	8.73	8.62	47.714	47.516
1958	13.34	14.58571429	56.012	58.25428571	8.77	8.64	47.786	47.552
1959	14.71	14.58142857	58.478	58.24657143	8.73	8.652857143	47.714	47.57514286
1960	13.63	14.38857143	56.534	57.89942857	8.58	8.611428571	47.444	47.50057143
1961	13.92	14.24	57.056	57.632	8.8	8.645714286	47.84	47.56228571
1962	14.11	14.16571429	57.398	57.49828571	8.75	8.662857143	47.75	47.59314286
1963	13.44	13.99571429	56.192	57.19228571	8.86	8.745714286	47.948	47.74228571
1964	14.28	13.91857143	57.704	57.05342857	8.41	8.7	47.138	47.66
1965	14.4	14.07	57.92	57.326	8.53	8.665714286	47.354	47.59828571
1966	13.64	13.91714286	56.552	57.05085714	8.6	8.647142857	47.48	47.56485714
1967	13.82	13.94428571	56.876	57.09971429	8.7	8.664285714	47.66	47.59571429
1968	13.61	13.9	56.498	57.02	8.52	8.624285714	47.336	47.52371429
1969	13.59	13.82571429	56.462	56.88628571	8.6	8.602857143	47.48	47.48514286

1970	14.29	13.94714286	57.722	57.10485714	8.7	8.58	47.66	47.444							
1971	14.38	13.96142857	57.884	57.13057143	8.6	8.607142857	47.48	47.49285714							
1972	14.17	13.92857143	57.506	57.07142857	8.5	8.602857143	47.3	47.48514286							
1973	14.84	14.1	58.712	57.38	8.95	8.652857143	48.11	47.57514286							
1974	14.53	14.20142857	58.154	57.56257143	8.47	8.62	47.246	47.516							
1975	14.62	14.34571429	58.316	57.82228571	8.74	8.651428571	47.732	47.57257143							
1976	13.37	14.31428571	56.066	57.76571429	8.35	8.615714286	47.03	47.50828571							
1977	14.19	14.3	57.542	57.74	8.85	8.637142857	47.93	47.54685714							
1978	13.59	14.18714286	56.462	57.53685714	8.69	8.65	47.642	47.57							
1979	13.64	14.11142857	56.552	57.40057143	8.73	8.682857143	47.714	47.62914286							
1980	14.05	13.99857143	57.29	57.19742857	8.98	8.687142857	48.164	47.63685714							
1981	13.8	13.89428571	56.84	57.00971429	9.17	8.787142857	48.506	47.81685714							
1982	14.5	13.87714286	58.1	56.97885714	8.64	8.772857143	47.552	47.79114286							
1983	14.04	13.97285714	57.272	57.15114286	9.03	8.87	48.254	47.966							
1984	14.31	13.99	57.758	57.182	8.69	8.847142857	47.642	47.92485714							
1985	14.39	14.10428571	57.902	57.38771429	8.66	8.842857143	47.588	47.91714286							
1986	15.13	14.31714286	59.234	57.77085714	8.83	8.857142857	47.894	47.94285714							
1987	14.85	14.43142857	58.73	57.97657143	8.99	8.858571429	48.182	47.94542857							
1988	13.99	14.45857143	57.182	58.02542857	9.2	8.862857143	48.56	47.95314286							
1989	13.89	14.37142857	57.002	57.86857143	8.92	8.902857143	48.056	48.02514286							
1990	15.54	14.58571429	59.972	58.25428571	9.23	8.931428571	48.614	48.07657143							
1991	15.31	14.72857143	59.558	58.51142857	9.18	9.001428571	48.524	48.20257143							
1992	14.02	14.67571429	57.236	58.41628571	8.84	9.027142857	47.912	48.24885714							
1993	14.21	14.54428571	57.578	58.17971429	8.87	9.032857143	47.966	48.25914286							
1994	14.39	14.47857143	57.902	58.06142857	9.04	9.04	48.272	48.272							
1995	14.39	14.53571429	57.902	58.16428571	9.35	9.061428571	48.83	48.31057143							
1996	13.92	14.54	57.056	58.172	9.04	9.078571429	48.272	48.34142857							
1997	14.15	14.34142857	57.47	57.81457143	9.2	9.074285714	48.56	48.33371429							
1998	15.92	14.42857143	60.656	57.97142857	9.52	9.122857143	49.136	48.42114286							
1999	15.28	14.60857143	59.504	58.29542857	9.29	9.187142857	48.722	48.53685714							
2000	14.61	14.66571429	58.298	58.39828571	9.2	9.234285714	48.56	48.62171429							
2001	14.98	14.75	58.964	58.55	9.41	9.287142857	48.938	48.71685714							
2002	15.2	14.86571429	59.36	58.75828571	9.57	9.318571429	49.226	48.77342857							
2003	14.4	14.93428571	57.92	58.88171429	9.53	9.388571429	49.154	48.89942857							
2004	14.88	15.03857143	58.784	59.06942857	9.32	9.405714286	48.776	48.93028571							
2005	14.87	14.88857143	58.766	58.79942857	9.7	9.431428571	49.46	48.97657143							
2006	15.31	14.89285714	59.558	58.80714286	9.53	9.465714286	49.154	49.03828571							
2007	15.35	14.99857143	59.63	58.99742857	9.73	9.541428571	49.514	49.17457143							
2008	14.46	14.92428571	58.028	58.86371429	9.43	9.544285714	48.974	49.17971429							
2009	14.46	14.81857143	58.028	58.67342857	9.51	9.535714286	49.118	49.16428571							
2010	14.64	14.85285714	58.352	58.73514286	9.7	9.56	49.46	49.208							
2011	15.24	14.90428571	59.432	58.82771429	9.52	9.588571429	49.136	49.25942857							
2012	15.91	15.05285714	60.638	59.09514286	9.51	9.561428571	49.118	49.21057143							
2013	16.05	15.15857143	60.89	59.28542857	9.61	9.572857143	49.298	49.23114286							