1. What tools did you use for each step?

SELECT *
FROM global_data
Where year > 1990

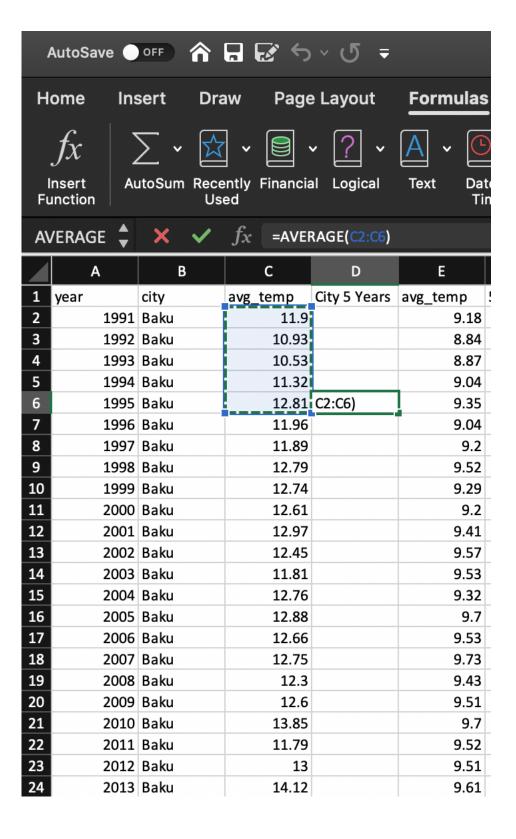
SELECT *
FROM city_data c

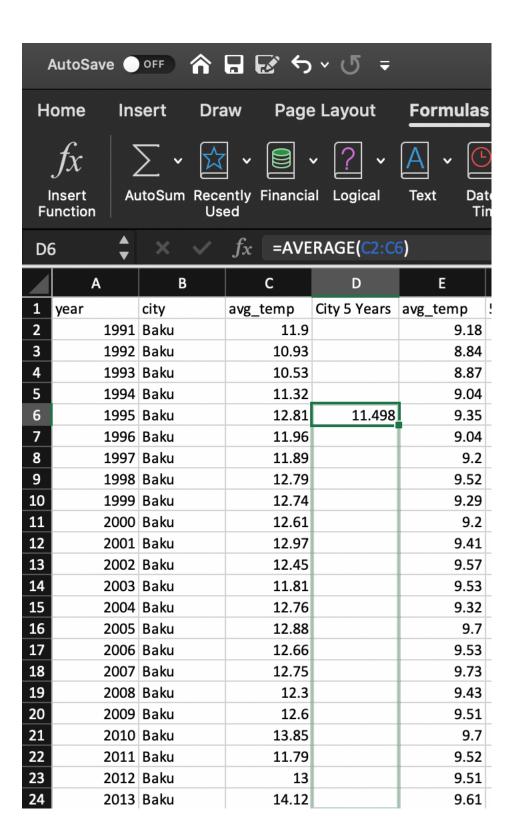
WHERE c.year > 1990 And city = 'Baku';b.

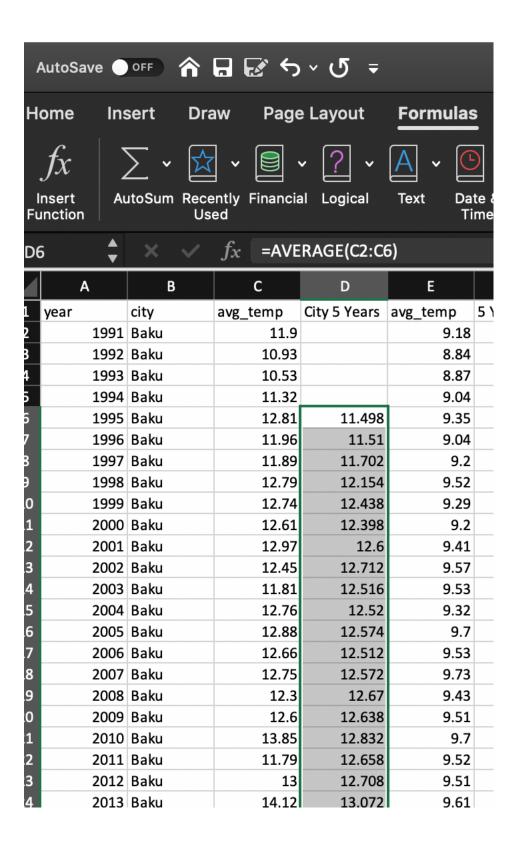
year	city	avg_temp	City 5 Ye	avg_temp	5 Years	Difference
1991	Baku	11.9		9.18		2.72
1992	Baku	10.93		8.84		2.09
1993	Baku	10.53		8.87		1.66
1994	Baku	11.32		9.04		2.28
1995	Baku	12.81	11.498	9.35	9.056	3.46
1996	Baku	11.96	11.51	9.04	9.028	2.92
1997	Baku	11.89	11.702	9.2	9.1	2.69
1998	Baku	12.79	12.154	9.52	9.23	3.27
1999	Baku	12.74	12.438	9.29	9.28	3.45
2000	Baku	12.61	12.398	9.2	9.25	3.41
2001	Baku	12.97	12.6	9.41	9.324	3.56
2002	Baku	12.45	12.712	9.57	9.398	2.88
2003	Baku	11.81	12.516	9.53	9.4	2.28
2004	Baku	12.76	12.52	9.32	9.406	3.44
2005	Baku	12.88	12.574	9.7	9.506	3.18
2006	Baku	12.66	12.512	9.53	9.53	3.13
2007	Baku	12.75	12.572	9.73	9.562	3.02
2008	Baku	12.3	12.67	9.43	9.542	2.87
2009	Baku	12.6	12.638	9.51	9.58	3.09
2010	Baku	13.85	12.832	9.7	9.58	4.15
2011	Baku	11.79	12.658	9.52	9.578	2.27
2012	Baku	13	12.708	9.51	9.534	3.49
2013	Baku	14.12	13.072	9.61	9.57	4.51

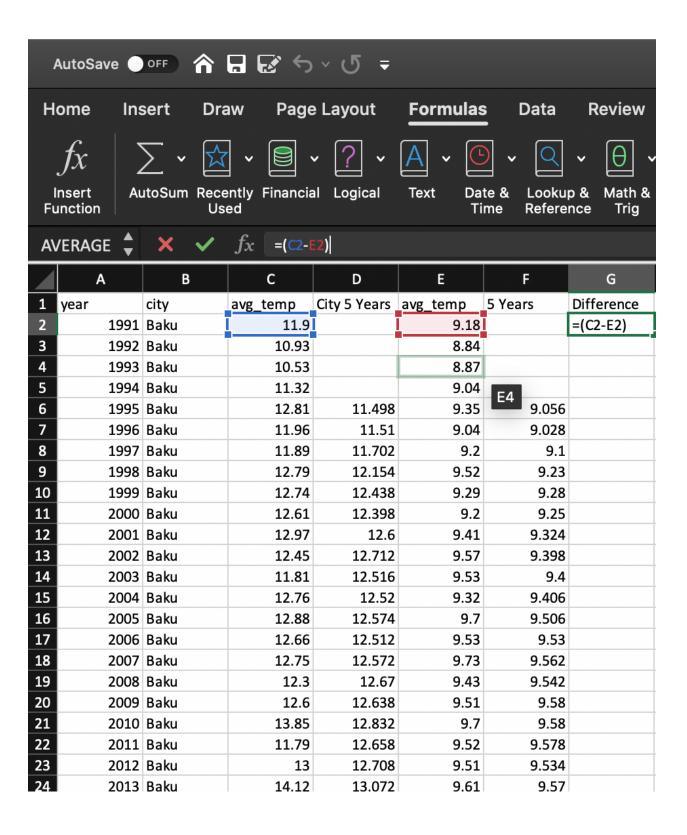
Moving Averages:

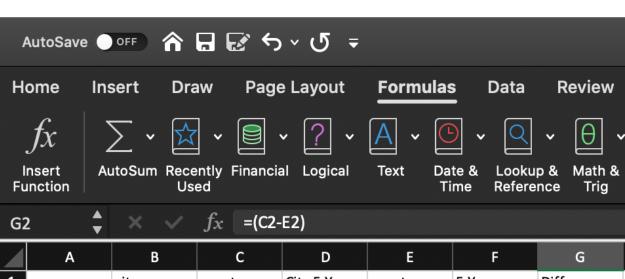
- Rolling Average has been calculated to smooth out data and to make it easier to observe the trends when it be shown in Charts.
- Average has been calculated for every 5 years
 - We used some functin on Excel





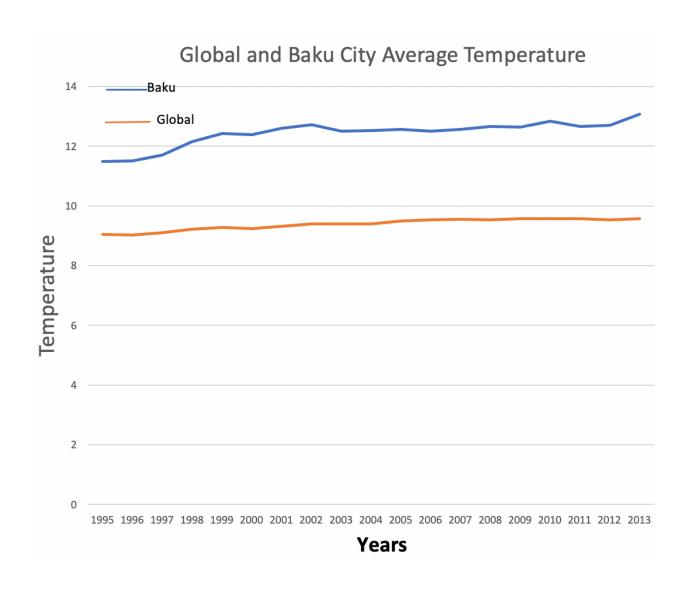


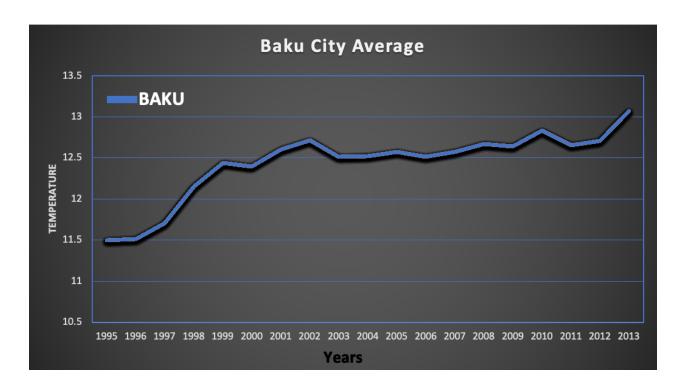


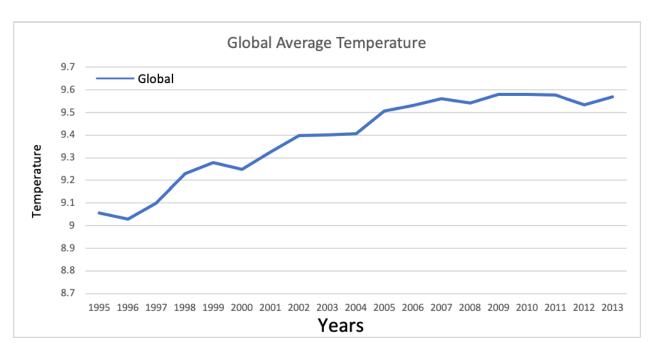


	Α	В	С	D	E	F	G
1	year	city	avg_temp	City 5 Years	avg_temp	5 Years	Difference
2	1991	Baku	11.9		9.18		2.72
3	1992	Baku	10.93		8.84		2.09
4	1993	Baku	10.53		8.87		1.66
5	1994	Baku	11.32		9.04		2.28
6	1995	Baku	12.81	11.498	9.35	9.056	3.46
7	1996	Baku	11.96	11.51	9.04	9.028	2.92
8	1997	Baku	11.89	11.702	9.2	9.1	2.69
9	1998	Baku	12.79	12.154	9.52	9.23	3.27
10	1999	Baku	12.74	12.438	9.29	9.28	3.45
11	2000	Baku	12.61	12.398	9.2	9.25	3.41
12	2001	Baku	12.97	12.6	9.41	9.324	3.56
13	2002	Baku	12.45	12.712	9.57	9.398	2.88
14	2003	Baku	11.81	12.516	9.53	9.4	2.28
15	2004	Baku	12.76	12.52	9.32	9.406	3.44
16	2005	Baku	12.88	12.574	9.7	9.506	3.18
17	2006	Baku	12.66	12.512	9.53	9.53	3.13
18	2007	Baku	12.75	12.572	9.73	9.562	3.02
19	2008	Baku	12.3	12.67	9.43	9.542	2.87
20	2009	Baku	12.6	12.638	9.51	9.58	3.09
21	2010	Baku	13.85	12.832	9.7	9.58	4.15
22	2011	Baku	11.79	12.658	9.52	9.578	2.27
23	2012	Baku	13	12.708	9.51	9.534	3.49
24	2013	Baku	14.12	13.072	9.61	9.57	4.51

	~	Max	▼	Min	▼	Avg	▼
Baku			14.12		10.53	12.40956	552
Global			9.73		8.84	9.373913	304







Observations & Conclusion

- The Baku city's temperature has been consistently higher than the global average over time.
- Over time, it seems that the city's temperatures have changed similarly to the global average.
- Over time, both types of temperature (global and local) show an upward trend, that is the world is getting hotter.
- The change of the climate between the globe and Baku city is slightly small, and both of them are raising.