Project 1
Explore weather trend

I used SQL to take the data from the database

The data have some missing **cells** in Mecca

	A	B	C	D
1	year	city	mecca	all_countries
2	1843	Mecca	25.16	8.17
3	1844	Mecca	19.05	7.65
4	1845	Mecca	22.46	7.85
5	1846	Mecca		8.55
6	1847	Mecca		8.09
7	1848	Mecca		7.98
8	1849	Mecca		7.98
9	1850	Mecca		7.9
10	1851	Mecca		8.18
11	1852	Mecca		8.1
12	1853	Mecca		8.04
13	1854	Mecca		8.21
14	1855	Mecca		8.11
15	1856	Mecca		8
16	1857	Mecca		7.76
17	1858	Mecca		8.1
18	1859	Mecca		8.25
19	1860	Mecca		7.96
20	1861	Mecca	23.98	7.85
21	1862	Mecca	24.13	7.56
22	1863	Mecca	22.87	8.11
23	1864	Mecca	25.43	7.98
24	1865	Mecca	25.6	8.18
25	1866	Mecca	25.42	8.29
26	1867	Mecca	25.62	8.44
27	1868	Mecca	25.3	8.25
28	1869	Mecca	25.65	8.43
29	1870	Mecca	25.35	8.2
30	1871	Mecca	24.97	8.12
31	1872	Mecca	25.2	8.19
32	1873	Mecca	25.57	8.35
33	1874	Mecca	25.32	8.43
34	1875	Mecca	24.53	7.86
35	1876	Mecca	25.13	8.08
36	1877	Mecca	25.81	8.54
37	1878	Mecca	25.94	8.83

results +

so I take the average for all temperature in Mecca and but it to the missing values

C173 fx =AVERAGE(C2:C172)

|	A	B	C	D	E
45	1986	Mecca	25.64	8.83	
46	1987	Mecca	26.35	8.99	
47	1988	Mecca	26.34	9.2	
48	1989	Mecca	25.47	8.92	
49	1990	Mecca	25.86	9.23	
50	1991	Mecca	25.94	9.18	
51	1992	Mecca	24.74	8.84	
52	1993	Mecca	25.9	8.87	
53	1994	Mecca	26.26	9.04	
54	1995	Mecca	26.33	9.35	
55	1996	Mecca	26.37	9.04	
56	1997	Mecca	25.88	9.2	
57	1998	Mecca	26.48	9.52	
58	1999	Mecca	26.75	9.29	
59	2000	Mecca	26.62	9.2	
60	2001	Mecca	26.6	9.41	
61	2002	Mecca	26.63	9.57	
62	2003	Mecca	26.87	9.53	
63	2004	Mecca	26.53	9.32	
64	2005	Mecca	26.47	9.7	
65	2006	Mecca	26.42	9.53	
66	2007	Mecca	26.58	9.73	
67	2008	Mecca	26.64	9.43	
68	2009	Mecca	26.9	9.51	
69	2010	Mecca	27.3	9.7	
70	2011	Mecca	26.57	9.52	
71	2012	Mecca	27.02	9.51	
72	2013	Mecca	27.57	9.61	
73			25.6089103		

And then I used MS Excel to visualize the data in chart I calculate moving average for 5 years
For mecca and all countries

Year Vs Average Temp Mecca
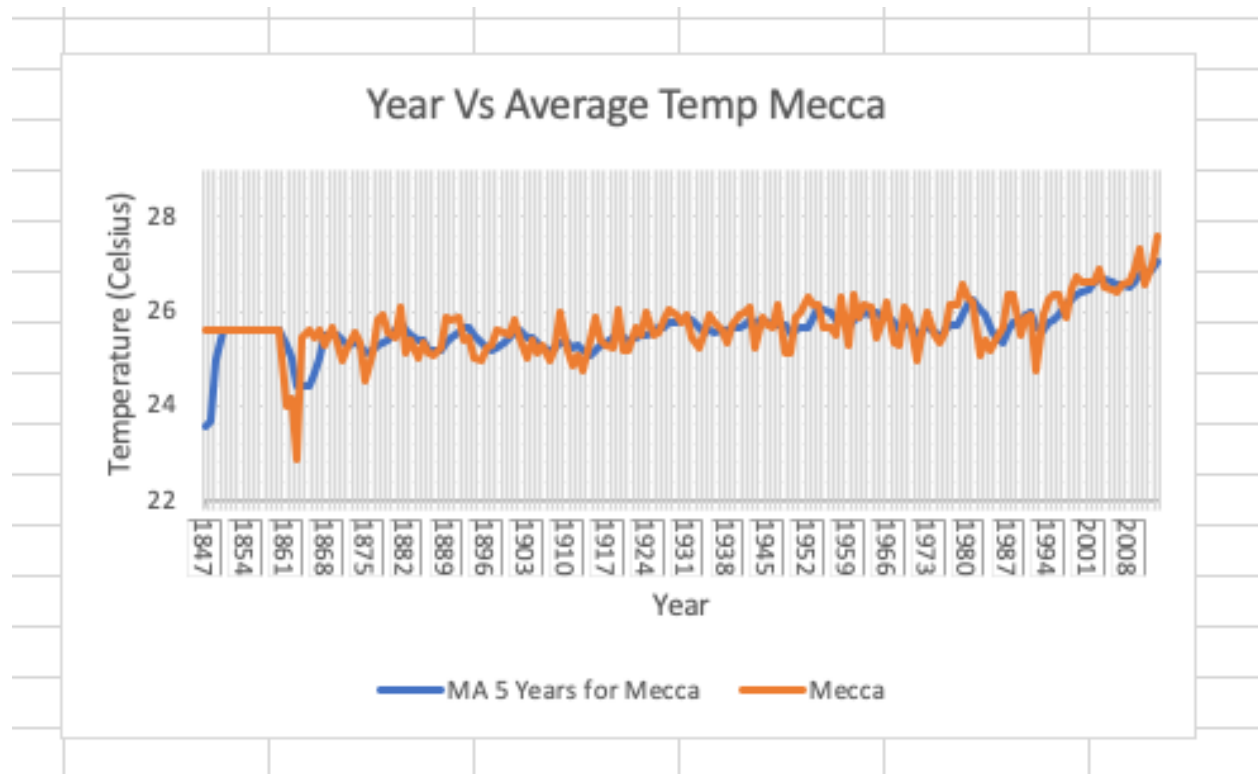
So we see that Moving average in 5 years the temperature is not increasing in Mecca
But its increase in last 20 years
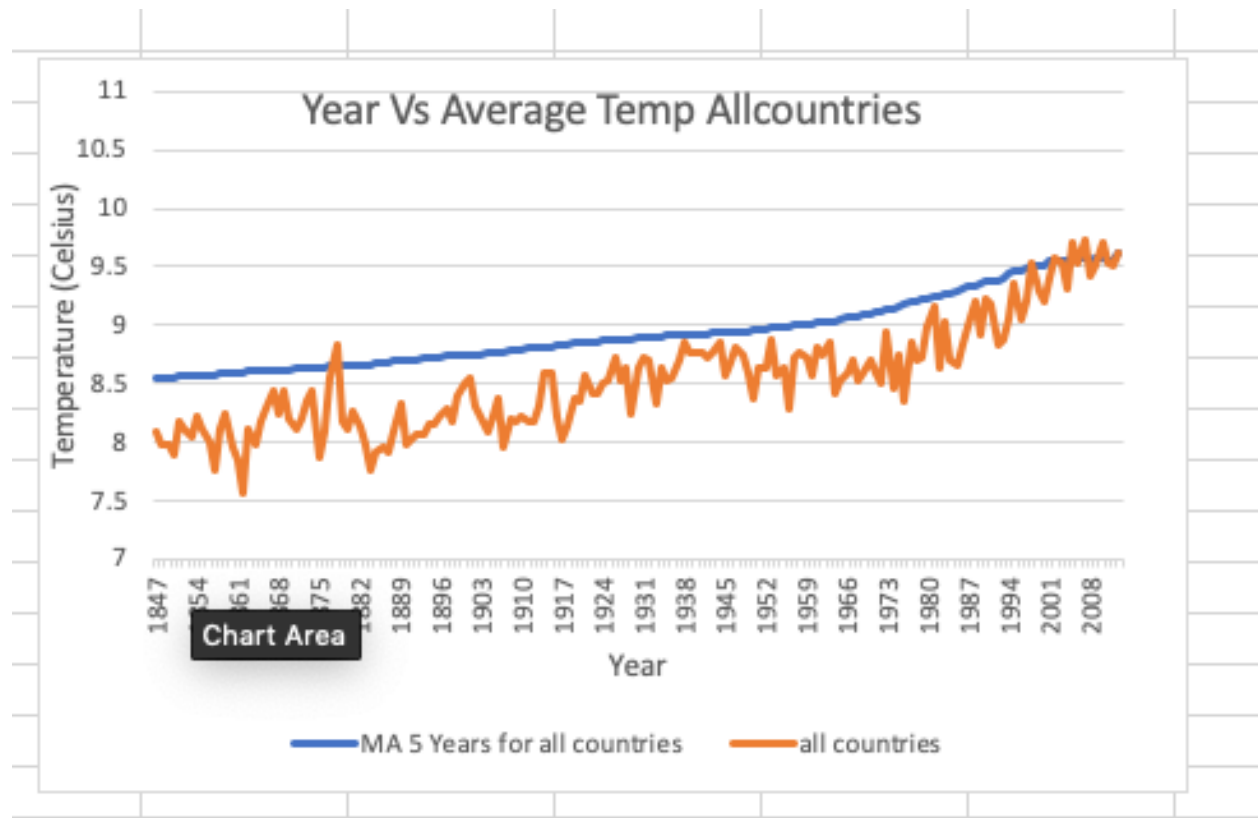
And I see in all countries the temperature is increasing I think because the Pollution and factories
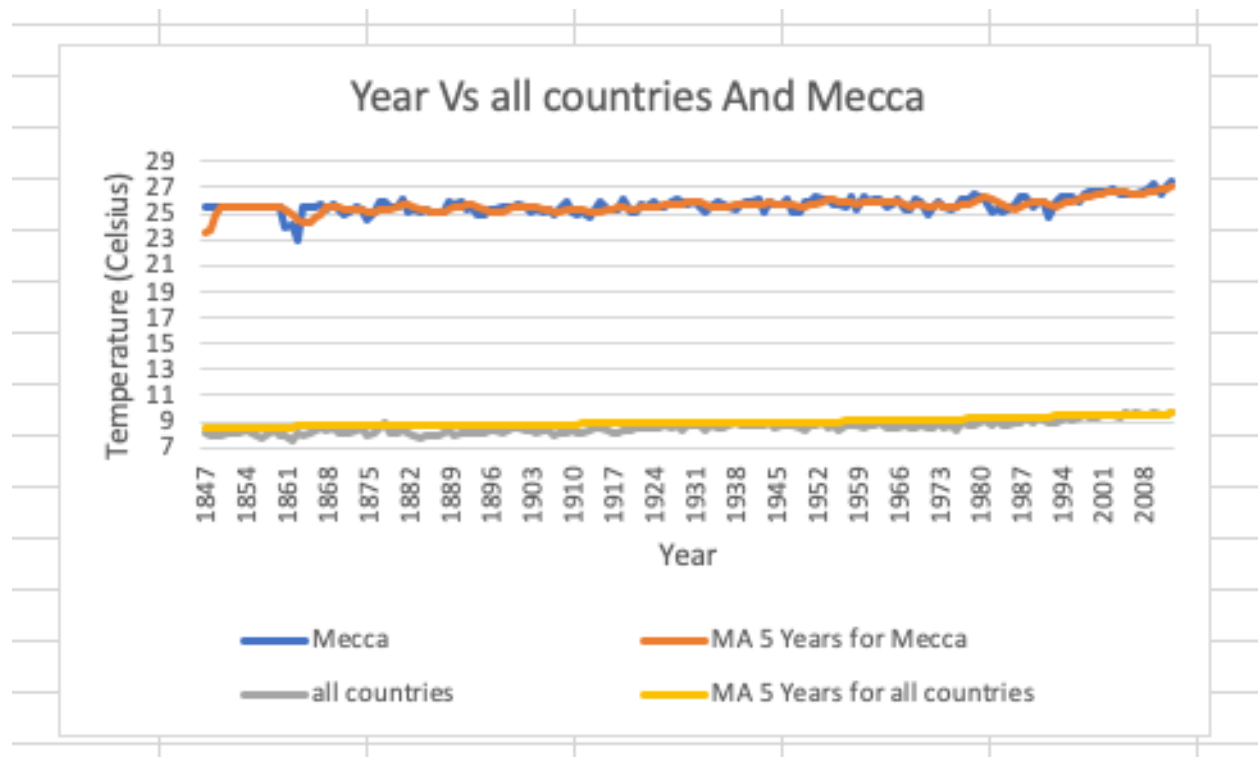
Here I combined the two charts to see the difference