

OTTAWA vs SYDNEY: Who's Temperature Is Rising Higher?

AIM: To find out which city; out of Ottawa and Sydney, is most affected by Global Warming through rise in temperature.

HYPOTHESIS: We believe Ottawa's temperatures will be rising by more than Sydney's because it is already cold, so the rising temperatures of the world will affect it more.

METHODOLOGY: We are going to look at online statistics, graphs and information about the rise of temperature in Canada and Australia over a period of 20 years, every 5 years, along with some information from books on Global Warming in Canada and Australia.

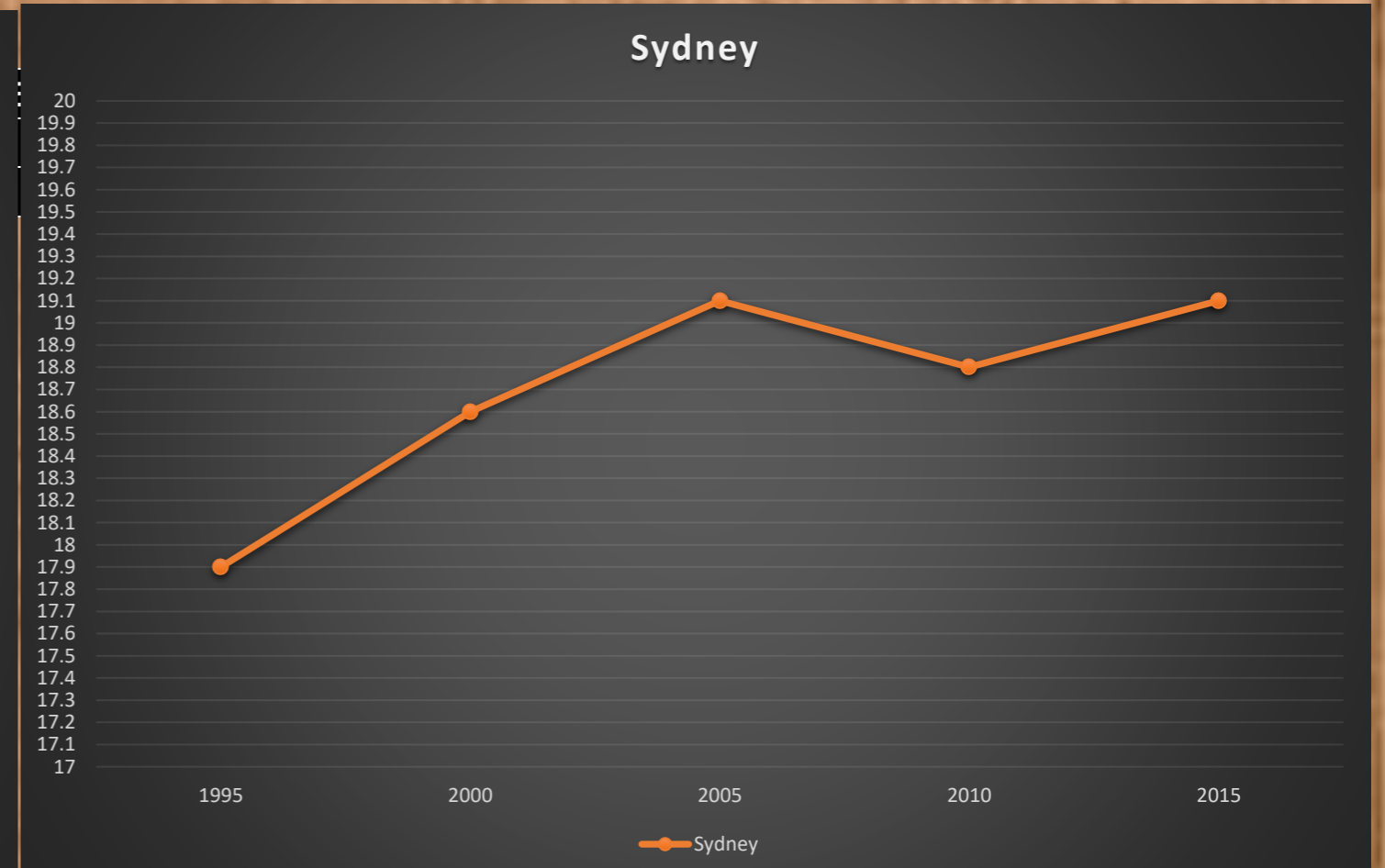
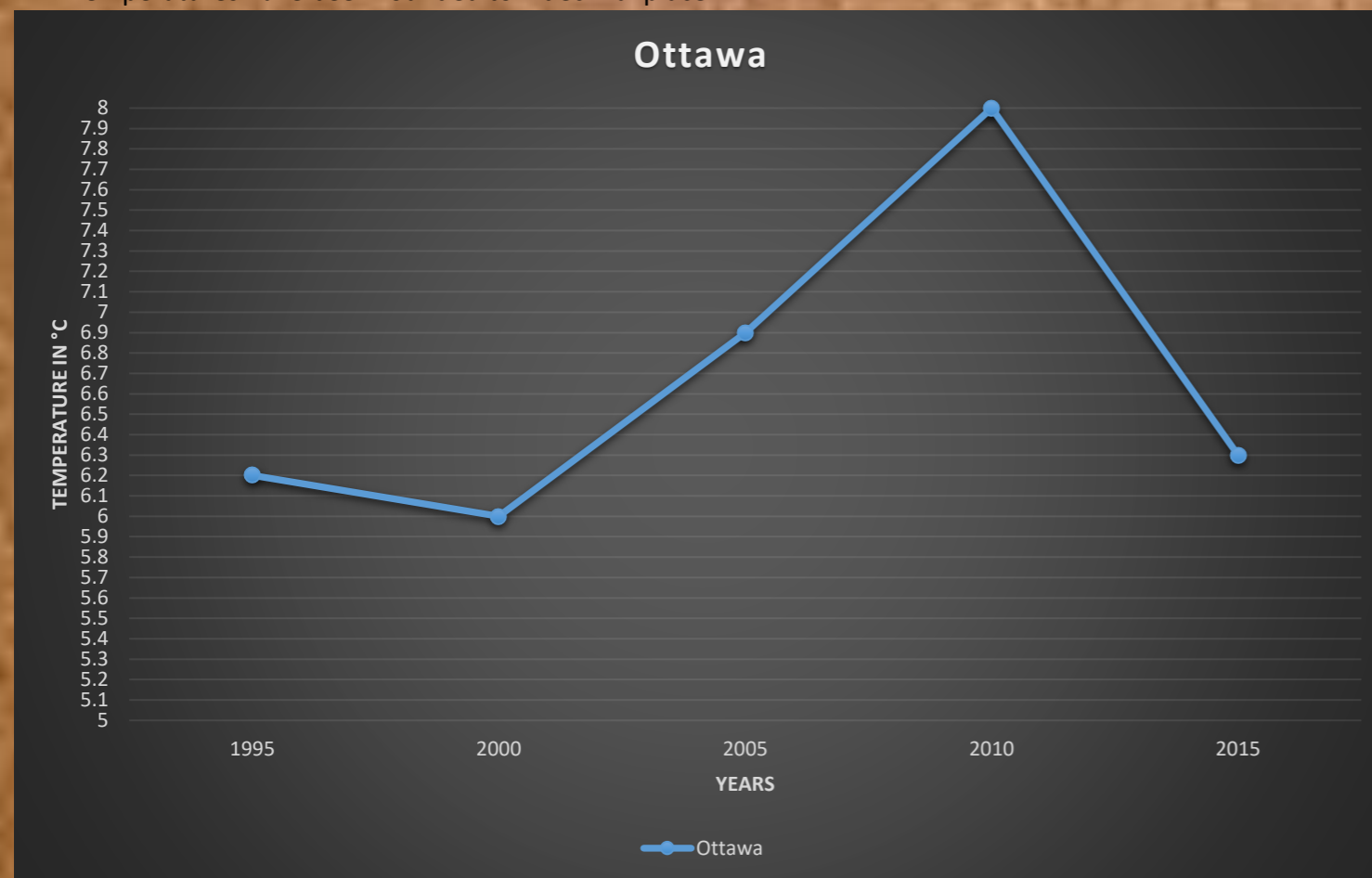
DATA:

TEMPERATURES	1995	2000	2005	2010	2015
OTTAWA	6.2°C	6.0°C	6.9°C	8.0°C	6.3°C
SYDNEY	17.9	18.6	19.1	18.8	19.1

*Temperatures have been rounded to 1 decimal place.

To get the averages for Australia/Sydney we found the annual high and annual low, then averaged them out. To get the averages for Canada/Ottawa we took all the monthly averages for the different years and averaged them out.

DIFFERENCE IN TEMPERATURES	1995-2000	2000-2005	2005-2010	2010-2015	Total
OTTAWA	-0.2°C	+0.9°C	+1.1°C	-1.7°C	+0.1°C
SYDNEY	+0.7°C	+0.5°C	-0.3°C	+0.3°C	+1.2°C



Conclusion: Judging by our data we have discovered that Canada has the biggest difference from the top temperature (8.0°C-2010) to the lowest temperature (6.0°C-2000), but from the temperature of 1995 to the temperature of 2015 Australia's temperature has actually increased by more (+1.2°C to +0.1°C)

References:

- <http://www.bom.gov.au/jsp/ncc/cdio/cvg/au> -Australia/Sydney Stats
- <http://ottawa.weatherstats.ca/charts/temperature-1year.html> -Canada/Ottawa Stats