

## Lab 2: Lab Worksheet

Don't forget to write your name, student number, and group number at the top of this page.

## **Question 1**

Using the figure characterizing the seasonal cycle, describe our local climate using specific information from your data (i.e.min, max, ranges).

The original dataset has daily average temperatures spanning from January 1st 1959 to December 31st 2016. The figure characterizing the seasonal cycle has the domain Months from 1 to 12, and range Air Temperature (Celsius) from about -15 to 28. It appears to be the warmest during mid July with max temperature at 28 degrees Celsius and min temperature at 10 degrees Celsius. It is the coldest around December, with max temperature at 12 degrees Celsius and min temperature at -14 degrees Celsius.

## **Question 2**

## **Question 4**

What are the main factors that could control temperature anomalies in Vancouver? What type of plot or analyses would you do to show that there is an actual relationship between these controls and temperature anomalies?

The station location or elevation will have an effect on the data. The anomaly could be affected by CO2 contents in the air. During the covid locatedown there may be less cars on the road, so less CO2 than usual.