Climograph Assignment

For this project, you'll construct your own climographs based on weather data, then compare the climate in two locations and two different time periods.

1. First, take some time to review the following resources:
   * [**Building and using a climograph (Oxford)**](https://nbvhs.nbed.nb.ca/content/SocialStudies/PHYSICAL_GEOGRAPHY_110/PhyGeo110_2017-18/Extras/PHYSGEO110_04_21b.html?ou=42556)
   * [**Examples of climographs**](http://www.jsu.edu/dept/geography/mhill/phylabone/climographs.html)
   * [**Interpreting a climograph (YouTube)**](https://nbvhs.nbed.nb.ca/content/SocialStudies/PHYSICAL_GEOGRAPHY_110/PhyGeo110_2017-18/Extras/PHYSGEO110_04_21c.html?ou=42556)
2. Begin collecting your data. Using the [**Government of Canada weather data archive**](http://climate.weather.gc.ca/historical_data/search_historic_data_e.html), search for weather data from approximately **100 years ago** in an area near you. Make sure the data is complete for the year you're looking at. Use a table to record the two variables you'll need to construct a climograph: average (mean) temperature and total precipitation in each month of that year. Then, using any weather data source you wish (be sure to identify it), record the average monthly temperature and total precipitation for the same location, but this time in the **year that has just gone by**.
3. Using the data you've found, build two climographs for your area: one from a century ago and one for present day. Be sure to label each climograph with the year and location you've selected. Identify the **temperature range** for the year, and the **total annual precipitation**. **Note:** It does not matter which side of the graph you choose to label with temperature, as long as your labelling is clear and functional.
4. Compare and contrast the two climographs. What patterns do you see? What do they tell you about the weather in your area. Has it changed? How? What conclusions can you draw from the graphs?
5. Select a location in a part of the world where the weather is typically different from your area. Find a recent climograph for this area and copy it into your assignment. (Cite the source!) How does it compare to the climograph you constructed for your area? Is the difference what you expected? Why or why not?