Growing Degree Days - Project

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Contents

1 Motivation

We want to use Python and Bash scripts to analyse growing degree days for cities in Canada. Growing degree days are used to predict when a flower or plant will bloom.

2 Minimum core tasks

2.1 Files and Scripts

gdd.sh

Input: temperatures.csv, tbase, tupper

Output:

What it does... maybe adding code

gdd.py

Input: tbase, tupper

Output: year_cityName_gdd.csv

what it does...

create_plots.py

Output: CumulativeGDD.png, CompareMaxMinTemp.png

Searches for all *year_cityName_gdd.csv* files and generates a subplot for each city. Then saves the generated plot into a PNG-file.

2.2 Process flow

2.3 Results

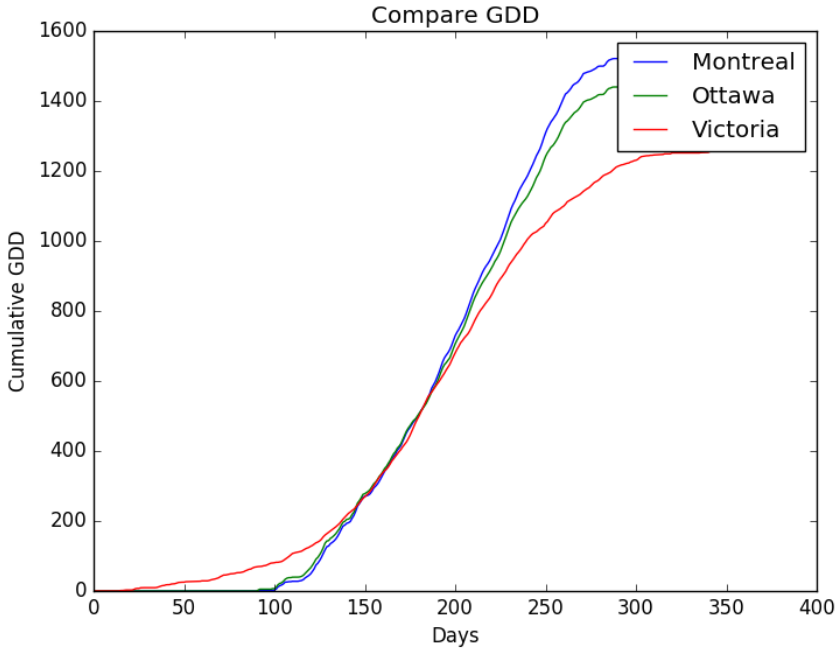

Figure 1: Shows the accumulated GDD vs time for three selected cities.

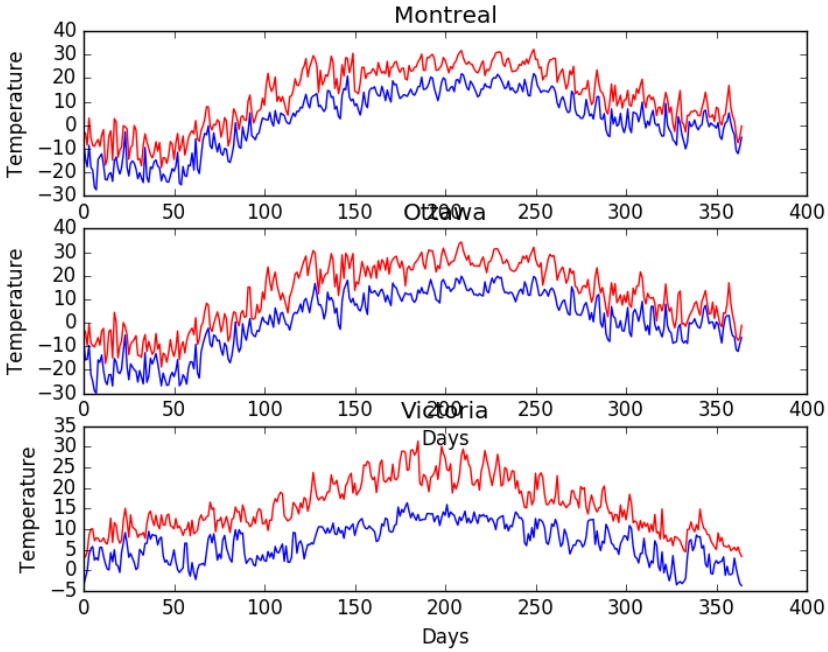

Figure 2: Shows the min and max temperature for three selected cities.

3 Secondary tasks