**Task 2**

**Description:**

The dataset contains fourteen numerical weather prediction (NWP)'s meteorological forecast data, two in-situ observations, and five geographical auxiliary variables over Seoul, South Korea in the summer. This data is for the purpose of bias correction of next-day maximum and minimum air temperatures forecast of the LDAPS model operated by the Korea Meteorological Administration over Seoul, South Korea. This data consists of summer data from 2013 to 2017. The input data is largely composed of the LDAPS model's next-day forecast data, in-situ maximum and minimum temperatures of present-day, and geographic auxiliary variables. There are two outputs (i.e. next-day maximum and minimum air temperatures) in this data. Hindcast validation was conducted for the period from 2015 to 2017.

**The Task:**

Your task would be to analyze the data, determine the most informative parameters to model the output, and build different machine learning models to attack the problem.

This task is more of a paper reproduction, where you can read the associated paper (check the references), understand the data, try to reproduce the results, or even as a bonus improve over them or suggest potential approaches to improve the results.

**References:**

<https://archive.ics.uci.edu/ml/datasets/Bias+correction+of+numerical+prediction+model+temperature+forecast>