Parsing arguments and Accruing Data

Predict cloud cover & Sunshine hours for outlook forecasting

Predict Average Temperature, Pressures and Relative humidity using ARIMA time-series analysis.

Calculate the t+1 day for which the forecast is being performed

Read Observation for the city

Perform prediction for all Cities

Download BOM data if the data source is ‘bom’ for all cities and input dates

Validate and get the date for which forecast is to be performed

Get the cities and mapping to IATA code and BOM file name for each city

Parse and Validate Command line arguments

Repeat for each city in scope of forecast

Using Google API get Geo coordinates & elevation

String IATA Code, Geo coordinates, date forecasting for (UTC), outlook, predicted average temperature, pressure and relative humidity.

Write Results into the Output file.