Scraping and Regression Project Proposal

Using Daily Weather Observations for Riyadh City

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Overall:

Weather Underground is a website that provides local & long-range weather forecasts, weather reports, maps & tropical weather conditions for locations worldwide.

So, the main idea for this project is to use Riyadh city weather observations to build a model to predict closer estimates for the actual temperature.

Data Description:

I will scrape the dataset from Weather Underground website. As I want, the dataset will be focusing on daily weather observations in Riyadh city for three years which are 2018, 2019, and 2020.

- The target is the **Daily Temperature** which is known as a physical quantity that expresses hot and cold weather.

- The features are:

    - Time: the exact time that the observations taken.
    - Dew Point: the temperature to which air must be cooled to become saturated with water vapor.
    - Humidity: the amount of water vapor in the air.
    - Wind Speed: the fundamental atmospheric quantity caused by air moving from high to low pressure.
    - Pressure: the perpendicular force per unit area, or the stress at a point within a confined fluid.

Tools:

- Python, and Jupyter Notebook.