

Data analytics with Pandas

Objectives

Given public IPMA API <https://api.ipma.pt/> analyze the following data for your city

- Precipitação total diária por concelho
- Temperatura Mínima diária por concelho
- Temperatura Máxima diária por concelho

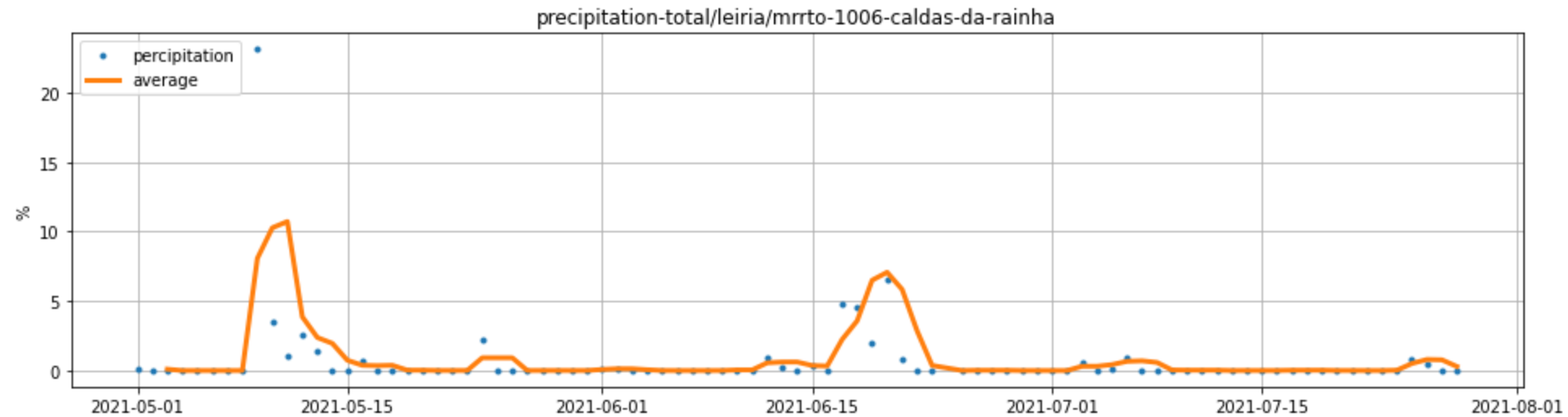
Pipeline

1. Create pandas
2. Make a Table
3. Plot Data
4. Extract simple statistics like averages

Challenges

- Date column is a string not a date, convert it.
- Create a moving average to filter spikes
- Colorize table with values below 10%

Example Results



Most rain day was at: 2021-05-09