***Objective***

Our firm, PyConsult, is hired by a high-end luxury resorts company, PyResorts, to conduct a study and advise them on where to expand their business. They are looking for tropical destinations. They want to open five additional new resorts but would like a list of around 25 potential cities. They are looking for destinations with a few strong tourist draws (ie beaches, excellent cuisine, adventures) but with room for development (i.e. a limit on how many hotels/resorts are already located there). PyResorts would also like to make sure that they are expanding into locations that are safe so PyConsult will be ranking the list of cities for recommendation by an already determined crime and safety index.

***Study questions:***

**Can we answer the question based on the data at hand?**

Which cities have an “ideal” climate? Temperature between 25-35. Humidity less than 70%. Wind Speed less than 15mph. Cloudiness less than 50%.

Do the cities have a nearby airport or not?

What are the available tourist destinations in each city that has a climate within our range?

What are the 4-5 star restaurants in the cities?

What is the potential for development in each of these cities? Find out how many resorts/hotels are already in the area.

What are the crime and safety index for each recommended city? Results will be ranked safest to least.

***Source of data***

<https://www.kaggle.com/datasets/ahmadjalalmasood123/world-crime-index?resource=download>

<http://api.openweathermap.org/data/2.5/weather>