Seazone Code Challenge Weather API

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- An explanation of your solution

First of all I utilized some modules to the solution, **pandas, requests.** In the first moment, I used the requests module to get the data from an API, that one suggested in the description of this challenge. After this it was time to filter the data from the api that I was interested in and save it into a csv file called “jurere_forecast.csv”. To save multiple times in the csv I used a method to eliminate duplicates and save it into the same file. In the end I just filter the data from the csv to answer the question.

- What can be done with the data you acquired?

With the data it is possible to do many manipulations to a better understanding, like filter and transform what we want . We can make a big database of the weather of Jurerê and compare it to other years to alert the customers about the weather in that determined part of the year. That is so useful to Seazone, because the client can choose when is an appropriate date to come to Jurerê based on the weather.

- What would you need to change or add in your code for these uses?

I think the code can do what i have said before, but we need time to acquire this data from the api and build this big database. However, some changes are valid in my code, like optimizations in general and a method to take weather information from other locations, not just Jurerê’s. There are many data options in the api that can be useful to Seazone.

- What feedback would you give to this coding challenge?

The challenge was nice, it was the first time that I did something like that and it was a pleasure to take part in this selection. I did learn so many things these days and want more. I am still a novice in programming, but I like to learn. Thank you so much for the opportunity.