

FLIGHT PRICE PREDICTION

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INTRODUCTION

Business Problem Framing

The goal of this project is to build a web scraper that will run and perform searches on flight prices with flexible dates (up to 3 days before and after the dates you select first), for a particular destination. It saves an excel with the results and sends an email with the quick stats. Obviously, the objective is to help us find the best deals!

Conceptual Background of the Domain Problem

The cheapest available ticket on a given flight gets more and less expensive over time. This usually happens as an attempt to maximize revenue based on -

- 1. Time of purchase patterns (making sure last-minute purchases are expensive)
- 2. Keeping the flight as full as they want it (raising prices on a flight which is filling up in order to reduce sales and hold back inventory for those expensive last-minute expensive purchases)

Review of Literature

Firstly, to web scrap a website where Flights with price and their location is to be mentioned alongside date and time.

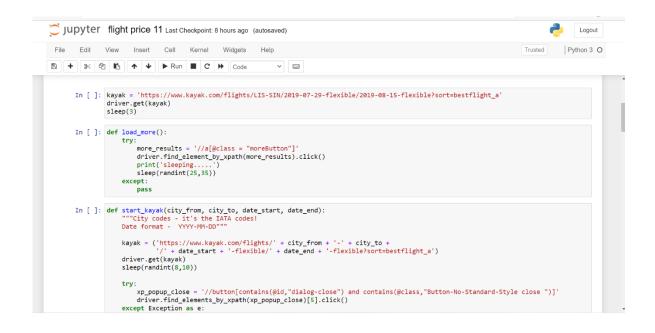
Then making a dataset and then Data Collection, Data Analysis, Model Building is to be done.

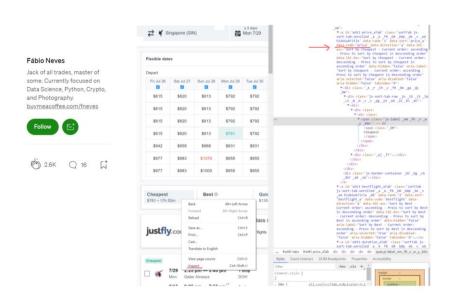
Motivation for the Problem Undertaken

Often it comes back to better goal setting, making it more compelling (to both the conscious

and unconscious mind), being clearer about why you want to do something. NLP, is about the cause-and-effect equation.

Analytical Problem Framing





The easiest function to code is to load more results, so let's start with that. I want to maximize the amount of flights I get, without triggering the security check, so I will click once in the "load more results" button every time a page is displayed. The only thing new is the try statement, which I added because sometimes the button was not loading properly.

If it acts up with you too, simply comment it out in the start kayak function that I will show ahead.

After all this, we might as well come up with a simple loop to start using the functions we just created and keep them busy. Completed with four "fancy" prompts for you to actually write the cities and dates (the inputs). Since when we're testing, we don't want to type these variables every time, alternate it with the explicit way below them when needed.

CONCLUSION

Key Findings and Conclusions of the Study

Creating a Dataset and finding the best possible model