Personal Development Plan

Project: What determines the prices of Airbnb listings?

Objectives:

* 1. **The bare minimum.** Run a regression analysis to predict what affects pricing in Airbnb listings. Include a Tableau dashboard with descriptive statistics.
  2. **The challenge.** Using Flask, code a website where the user can fill a form with the characteristics of the property they are considering renting out. The website should, then, output the fair price of the property given the results from the regression.
  3. **The extra.** With the extra time, use the Chrome extension Simple Scraper to obtain current Airbnb data. Rerun the regression with that and update the price calculator.

Before the end of **week 1**, the regression should be done. From **week 2** to **week 5**, I will try to learn Flask to code a website. This website must include:

* A function which returns the fair price the property that the user is considering renting based on (1) information given by the user and (2) the results from the regression.
* Information about pricing in Stockholm: which neighbourhoods (*stadsdelsområden*) are most expensive/popular.
* Information about what makes a property pricy: amenities, type of housing, number of rooms, etc.

If by the end of **week 5** I see that it is beyond my ability to code this site, I will invest on a richer Tableau dashboard and story board.

If, instead, I succeed on the website, I will use the extra time to scrape Airbnb’s website with Chrome’s extension *Simple Scrape* for more recent data. I will use this data to replace the dataset that I found which is from 2019.