- Developer: Sophia Xiao @ 2020/12/18
    - Edit @ 2021/1/2
- Dataset downloaded from Tianchi

  https://tianchi.aliyun.com/dataset/dataDetail?dataId=83994
- Goal: get keywords from rental house description using TF-IDF technique
- Website for study (cited):
    - Data preprocessing:
    - https://www.kaggle.com/sudalairajkumar/getting-started-with-text-preprocessing
    - TF- IDF technique tutorial
    - https://kavita-ganesan.com/extracting-keywords-from-text-tfidf/#.X9re3FUzbt9
- Steps:
    - Pip install modules needed for analysis
    - Read dataset
    - Preprocessing text.
        - All to lowercase
        - Remove punctuations, stop words
        - Lemmatization and remove any html tags that might left
        - Calculate TF-IDF, “sort” dictionary and list the words with top score
- Problems I had during the project:
    - Text preprocessing will be different if I the text language is not English
    - I don’t know how IF I can apply cluster on keywords extraction
    - Although I cleaned the html tags before forming the keywords dictionary, I still got words like “br“ in my result, don’t know why this happens.

- For the functions that sort scores, I used the example code. But the website only calculates one cell of a column for some reason. But I need the keywords out of the whole column, so I try to combine the text in the column all together into a single text to calculate TF-IDF, which works out fine.