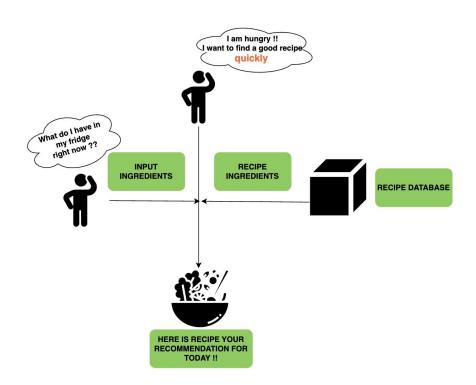
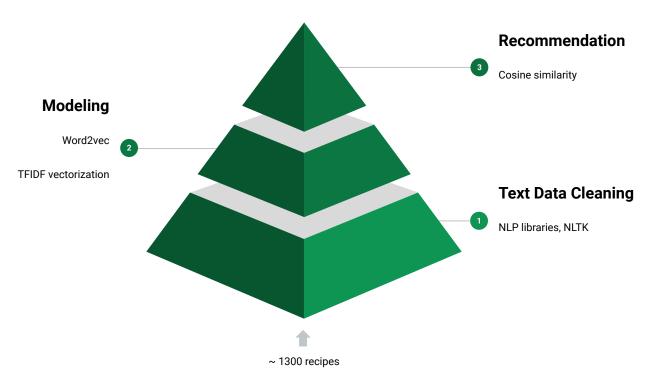
VegVista ~ a happy vegan ~

Anupa Jayakody

PROJECT OVERVIEW & IMPACT

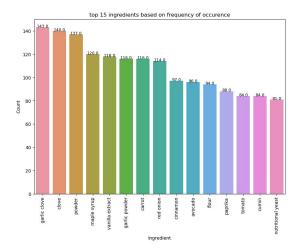


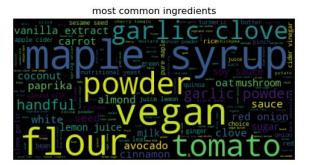
DATASET & PRE PROCESSING

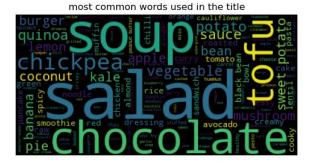


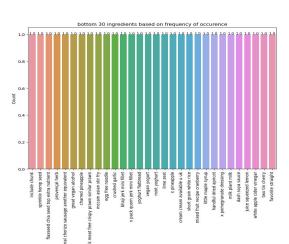
(URL, Title, Ingredients, Preparation)

EDA & FINDINGS

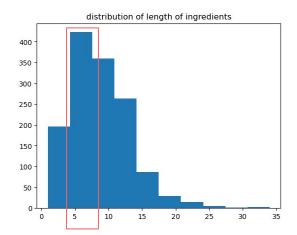




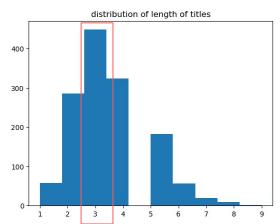




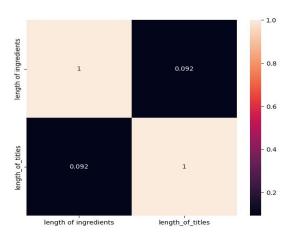
EDA & FINDINGS



Average length of recipes is between 5-8



Most no.of recipes titles are of length 3 words and this has a resemblance of the length of the ingredients too.



MODELING & EVALUATION

Word embeddings for each ingredient list for the recipes ->

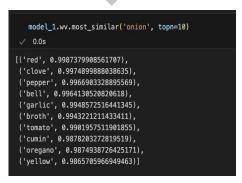
Recommendations based similarity between the input and database embeddings

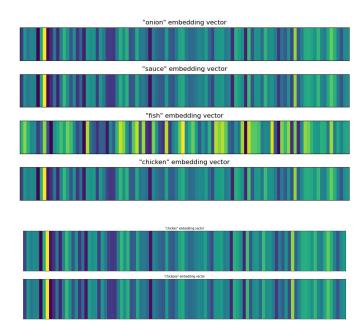
Parts of speech tagging in creating the embeddings vs individual tokens of words

```
phrases_model.wv.most_similar('onion', topn=10)

v 0.1s

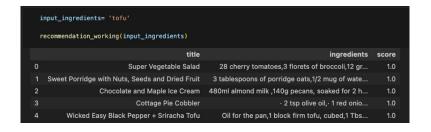
[('olive_oil', 0.9998865723609924),
    ('garlic_clove', 0.999873161315918),
    ('black_bean', 0.9997977018356323),
    ('tomato', 0.9997972846031189),
    ('red_pepper', 0.999787449836731),
    ('flake', 0.9997850656509399),
    ('thyme', 0.999785341911316),
    ('clove', 0.9997222423553467),
    ('onion_powder', 0.9997029304504395),
    ('red_onion', 0.99969881772995)]
```





MODELING & EVALUATION





Challenges

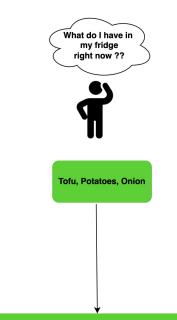
- 1. High cosine similarity results
- 2. Different results when the same ingredient added alone vs when combined with more

MODELING EXT STEPS

- 1. If no data found for the input ingredients, what??
- 2. Recommendations based on the title and ingredients both ??
- 3. Possibility to predict the time taken to make the recipe??

PRODUCTIZATION

4. Creating an application interface to the user





- 1. Turkish Tofu & Spinach Börek
 2. Tikka Smoked Tofu Skewers with Apple Slaw
 - 3. Recipe 3
 - 4. Recipe 4
 - 5. Recipe 5