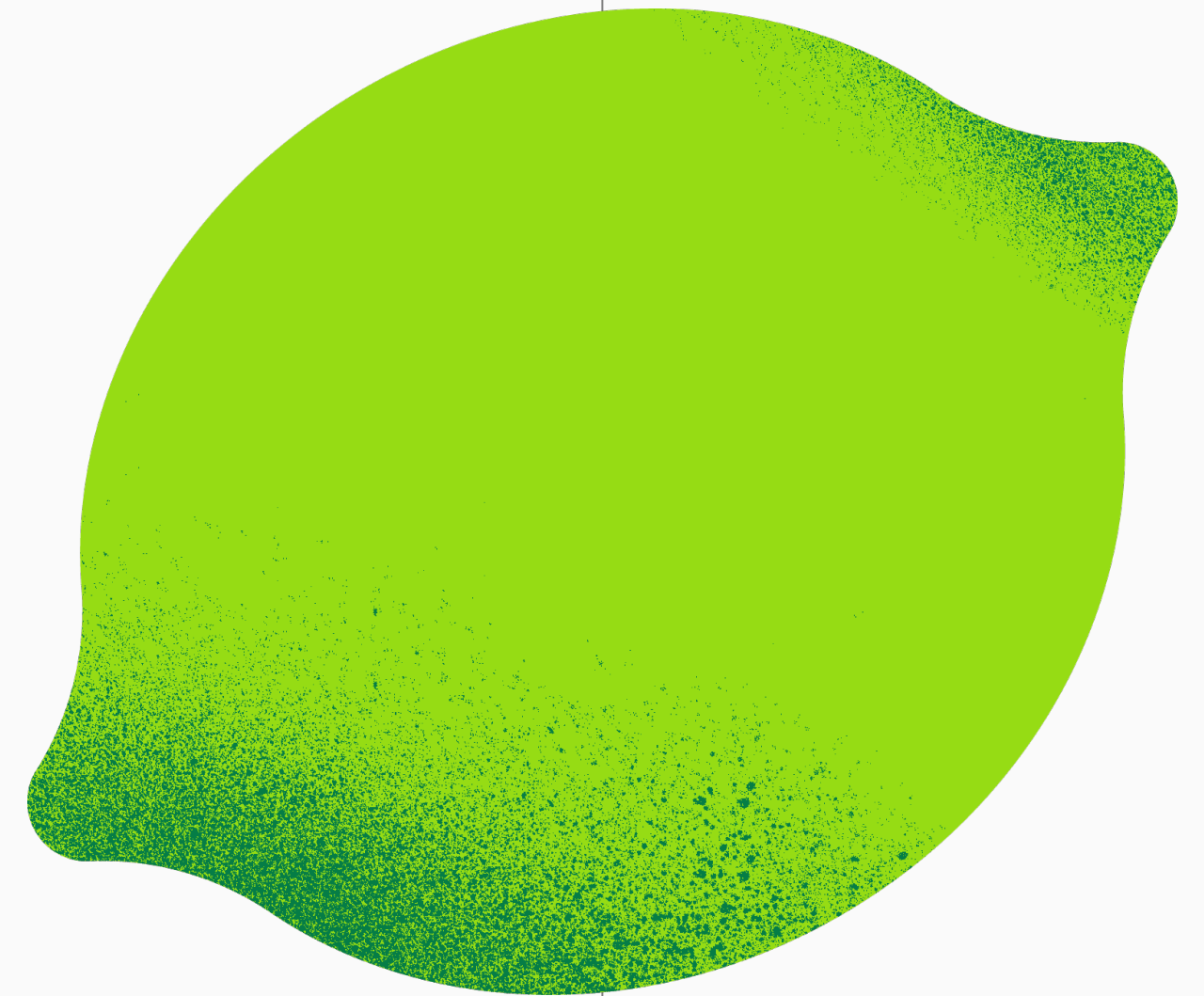


Hello Fresh

Recipe

Recommender

Matteo Fortier

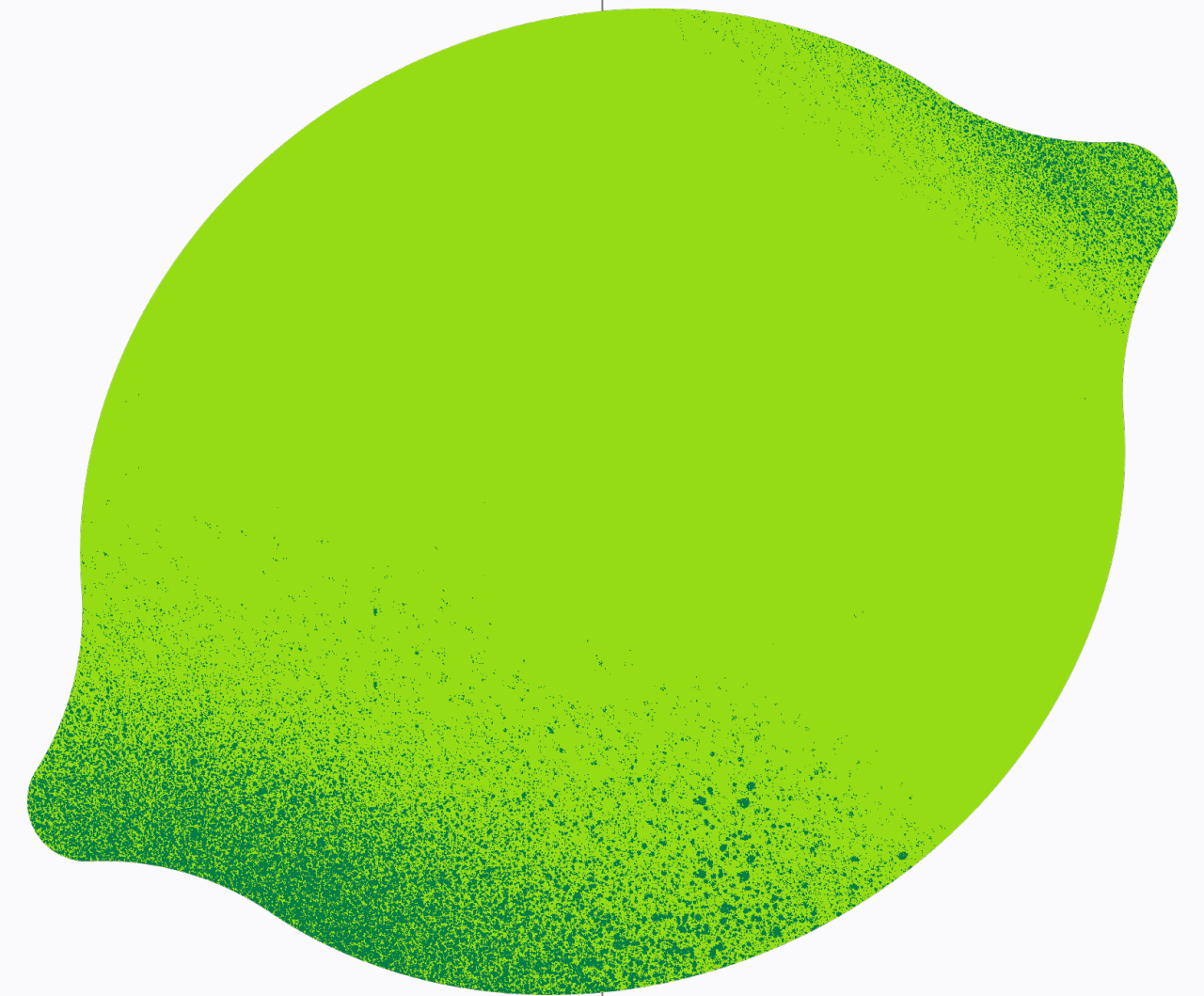


Hello Fresh

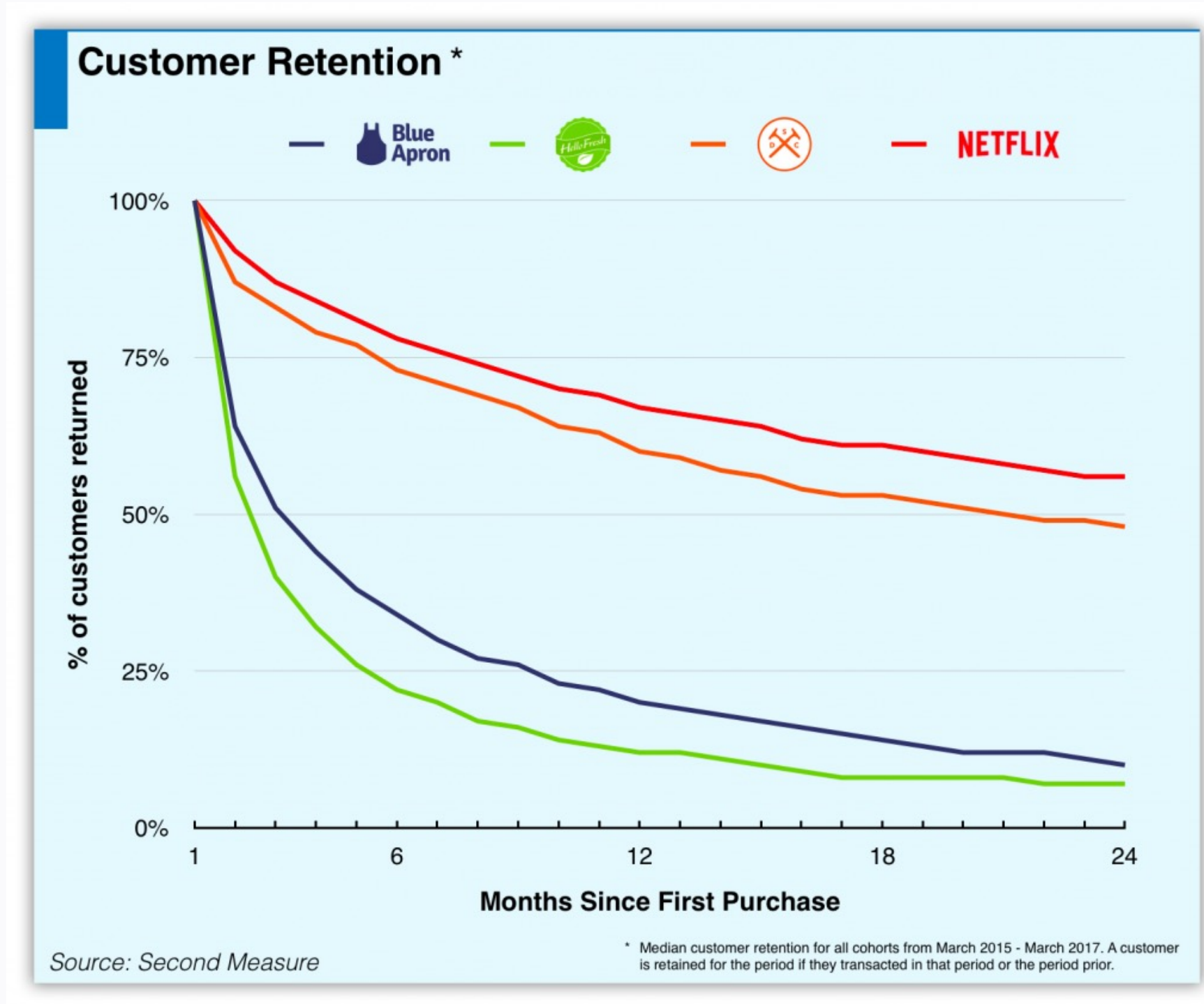
Recipe

Recommender

Matteo Fortier



Problem



Problem

- Flavor of the finished recipe
- Ability to choose meals on diet
 - Difficulty level of recipe

Methodology

1

Data: Recipes1M from MIT

1 million recipes dataset, including ingredients and instructions

Methodology

1

Data: Recipes1M from MIT

1 million recipes dataset, including ingredients and instructions

2

Natural Language Processing

Clean and standardize ingredients text for modelling

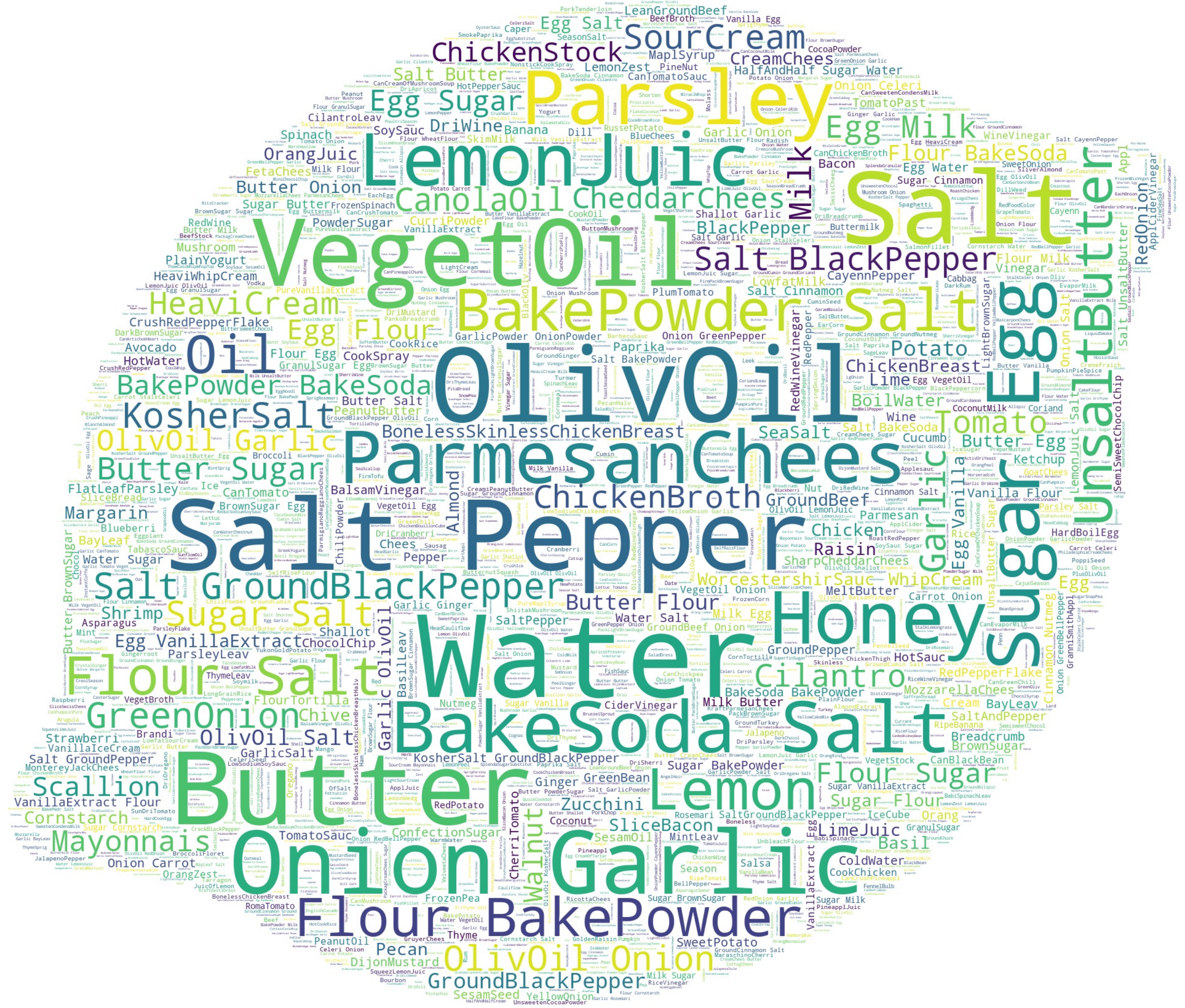
NLP

"2 tablespoons chopped fresh chives"

"tablespoons fresh chives"

"tablespoon fresh chive"

"Chive"



Methodology

1

Data: Recipes1M from MIT

1 million recipes dataset, including ingredients and instructions

2

Natural Language Processing

Clean and standardize ingredients text for modelling

3

Topic Modelling

Formulate Topics Based on Word Tokens

Topic Modelling

Vectorizer: TF-IDF

Topic Modelling: TruncatedSVD

Topic Modelling

Vectorizer: TF-IDF

Topic Modelling: TruncatedSVD

Example Topics:

Example Topic 1: Strawberry, Blueberry, Raspberry, IceCube, Blackberry

Example Topic 2: SoySauce, SesameOil, Mirin, Sake, SesameSeed

Demo

Conclusions and Further Work

- There is potential for a recipe recommender
- The model underperforms on instruction-defined recipes
 - Works best with recipes with larger n. ingredients