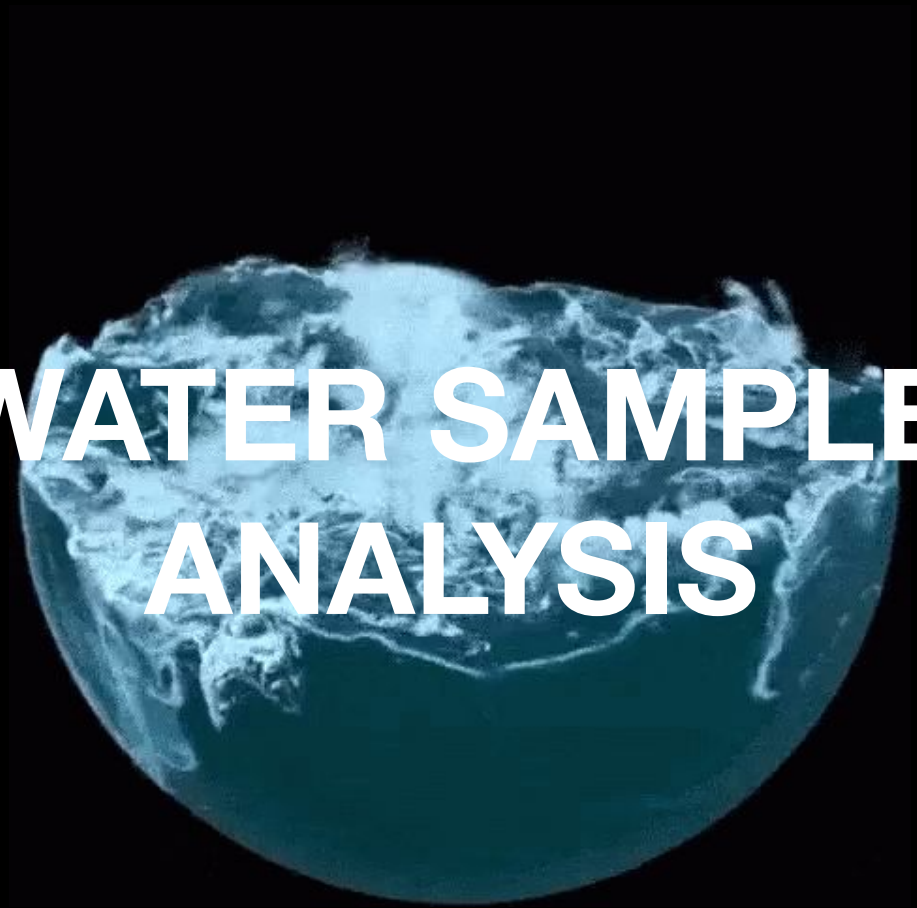


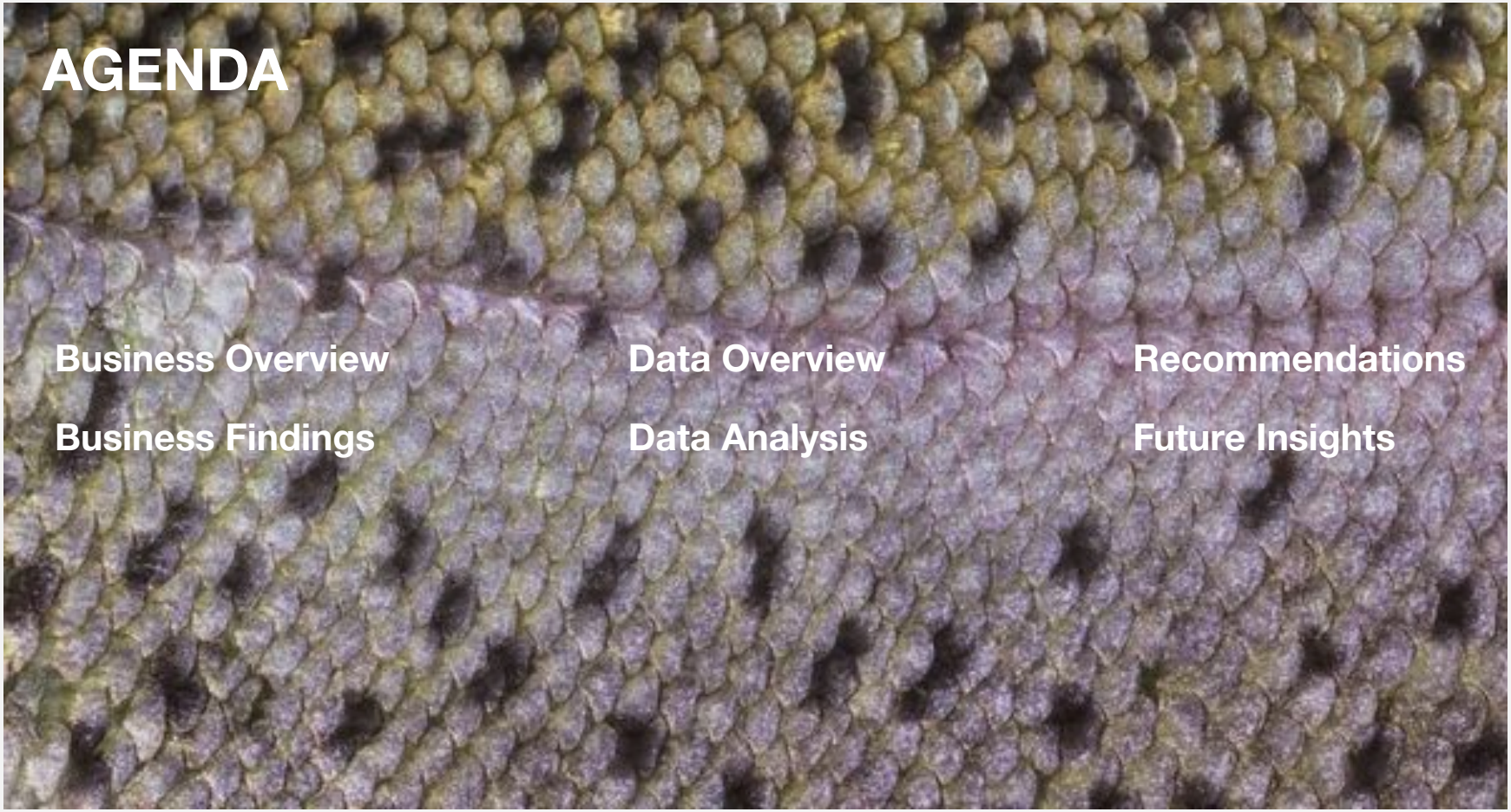
WATER SAMPLE ANALYSIS

Marley Lopez

Favorite child, model train enthusiast.

marleylopez@icloud.com

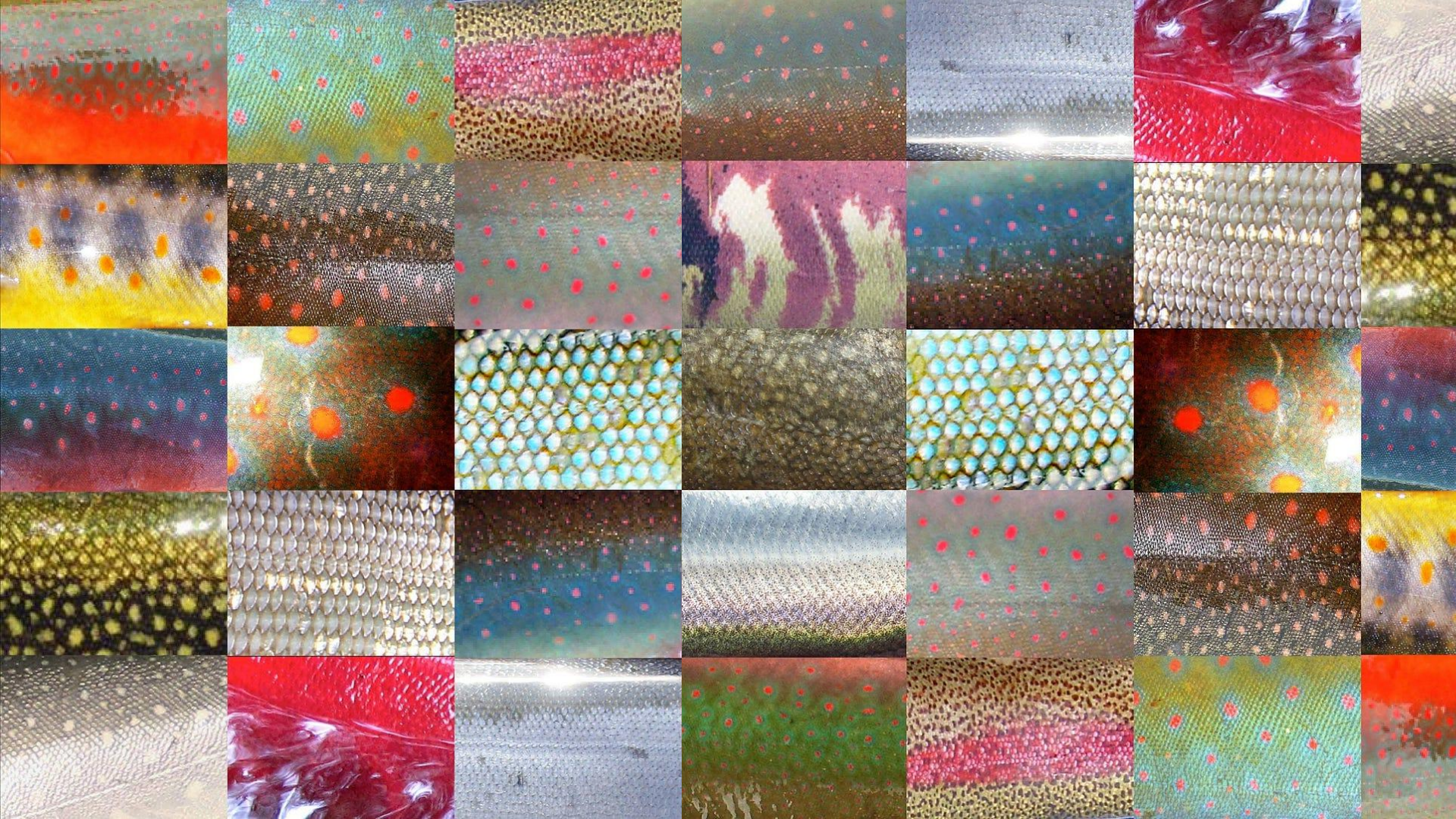
0le-worm


AGENDA
Business Overview
Business Findings
Data Overview
Data Analysis
Recommendations
Future Insights

TEXAS

BUSINESS OVERVIEW

Build a model to predict priority response based on complaint description provided to Texan Environmental effort.



FINDINGS

Our model predicts complaint priority with 88% accuracy.

Concerns surrounded sewage and oil spillage.

DATA OVERVIEW

Dataset:

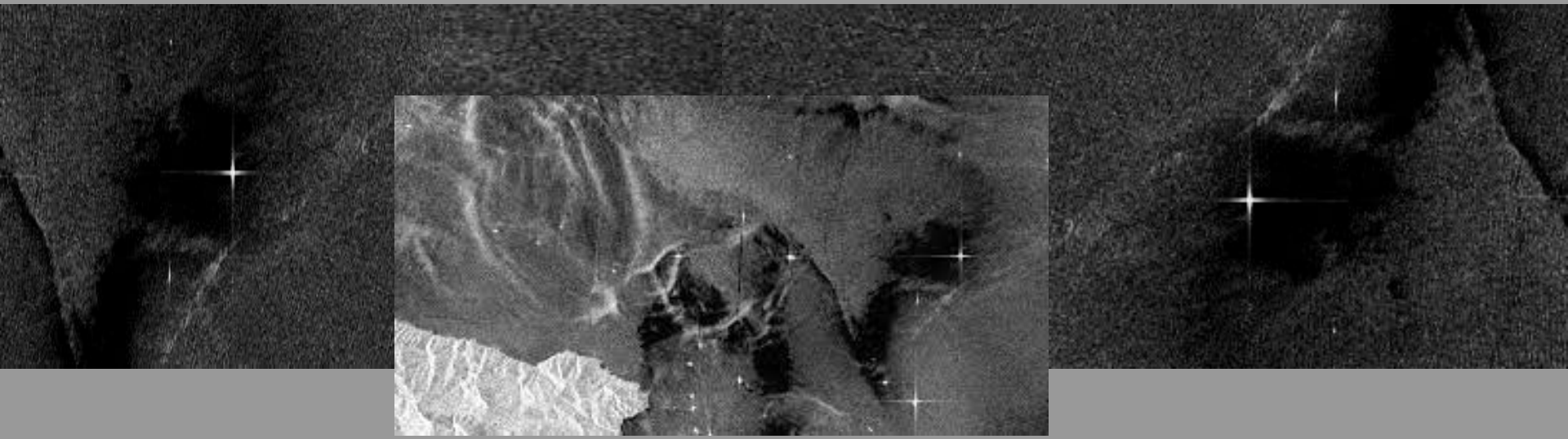
Blah Blah
16,500 Docs

Limitations:

Imbalanced Data
Missing Stuff

Filtering:

Water
Three Priority Statuses



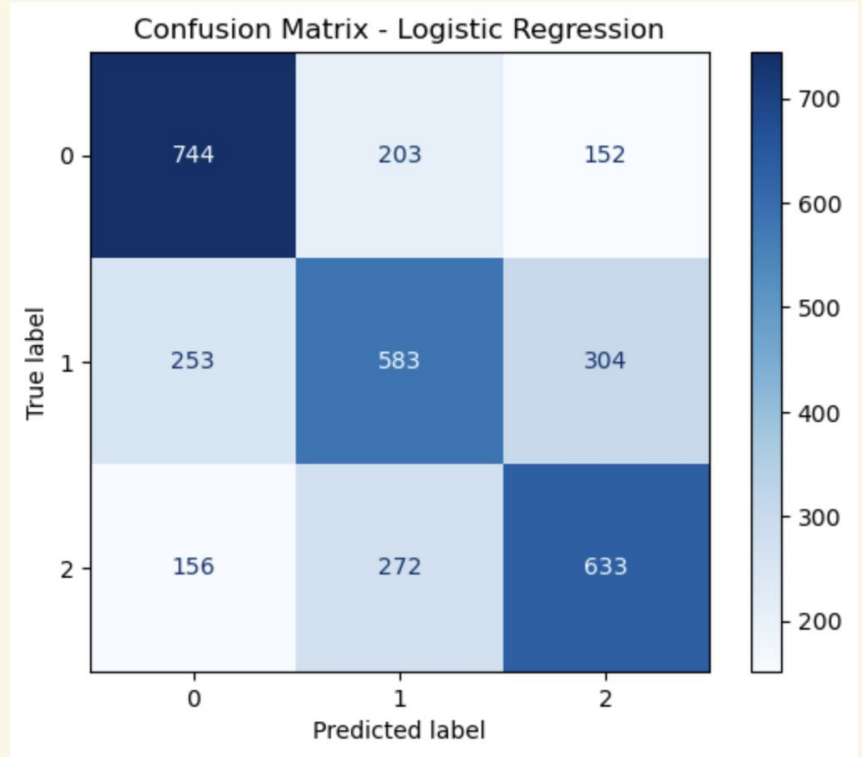
Look at these words.

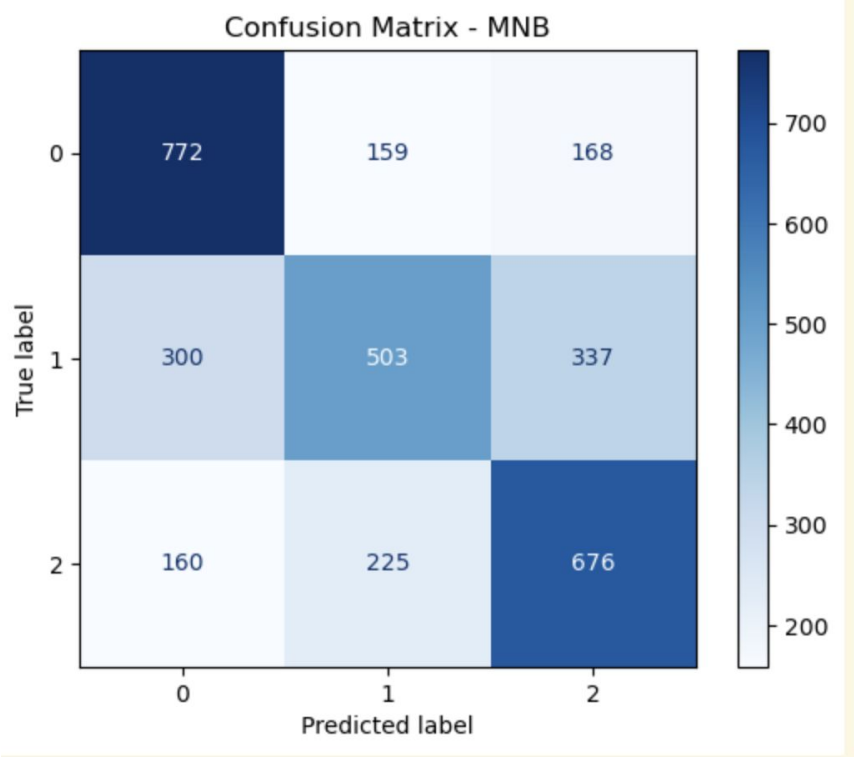
WordCloud for Low Priority Complaints

WordCloud for Medium Priority Complaints

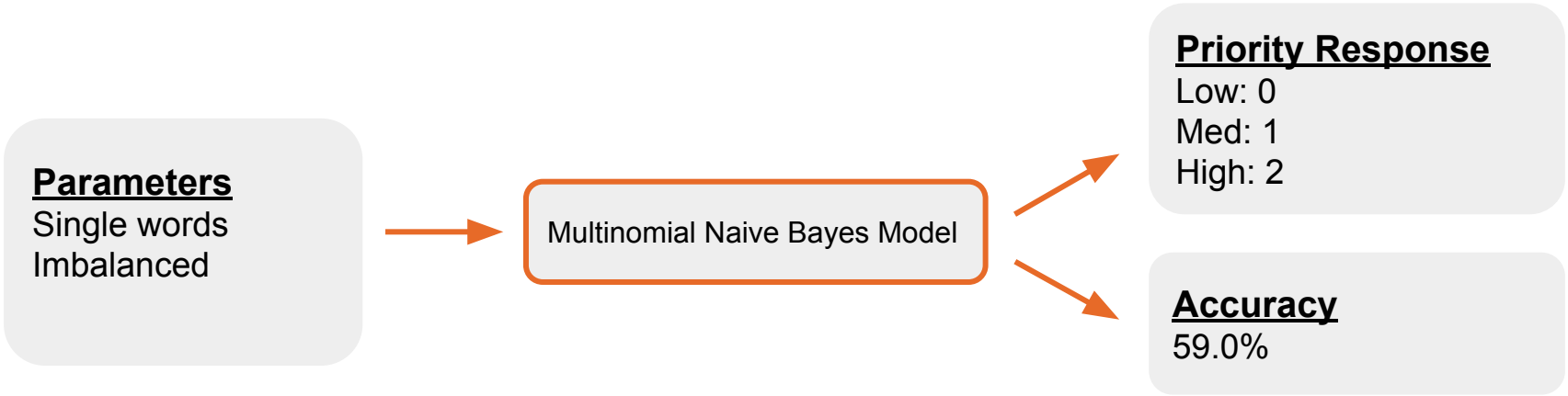
WordCloud for High Priority Complaints

Two models on a deck -- Ooh la la





NLP ANALYSIS



RECOMMENDATION

Minimize Sewage Leaks

Expand Budget for White Rock Dredge

Jingle Bell Rock

FUTURE
INSIGHTS
Expand Model
Map Complaints
Merry & Bright

Marley Lopez

Most Likely To Become President

marleylopez@icloud.com

0le-worm

QUESTIONS?