Tweet Sentiment Analysis

US Airlines tweets



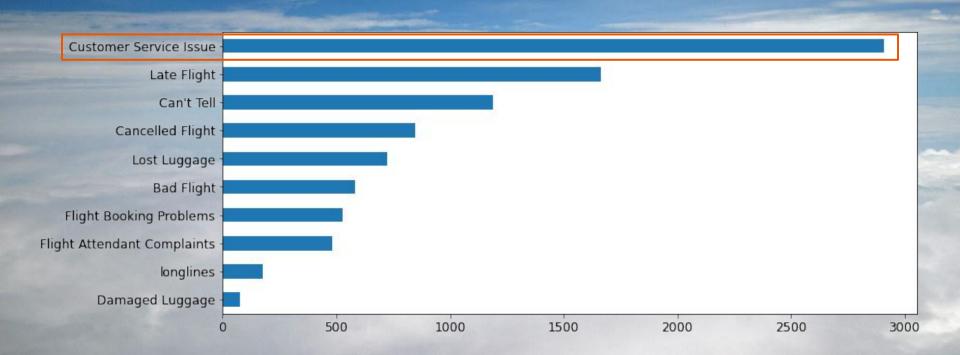
Data used

- Kaggle, Crowdflower's Data library
- Dataset of 14.6k tweets
- Positive, neutral, negative
- 6 Airlines

The Problem

- Number of complaints grow
- 2,413 complaints May, 2022
- Lack of focused feedback

Feedback Summary







Text data preprocessing

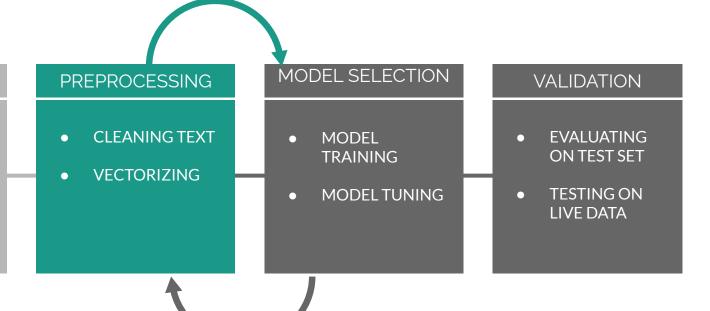
Model training and optimization

Application on live tweets

Process

DATA CLEANING

- MEANINGFUL FEATURES
- DATA
 UNDERSTANDING



Results

• 96% of negative tweets identified

only 8% of all tweets misclassified as negative

Overall accuracy 88%

DEPARTURES



ERIN SPARKMAN @austin

@RealSparkman

positive ...

That must have been the best flight I've ever had on @delta Derek Bibby is probably the greatest pilot. He got us so close to Mount Rainier. I felt like I could pet a goat! #DeltaAirlines

12:20 AM · Aug 22, 2022 · Twitter Web App



Nou Kriye Ansanm

@_Geniebytheway

negative

The airlines called me broke in 4 different languages and we need another pandemic. #deltaairlines #unitedairlines #americanairlines

5:48 PM · Aug 23, 2022 · Twitter for iPhone

13 Z000

Check-

