Data Incubator Proposal

BUILDING A RESTAURANT CUSTOMER FEEDBACK APP THROUGH SENTIMENT ANALYSIS ON YELP REVIEW DATA

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WHY CUSTOMER FEEDBACK IS IMPORTANT?

Because, customer feedback helps:

- DEVELOP Successful Strategies
- IDENTIFY Weak Areas
- GENERATE New Ideas
- IMPROVE Customer Retention
- STRENGTHENS Goodwill



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Goal

'Targeted' improvement

I wish they had wifi!

The **service** could be more prompt!

Parking is the pain in the ass..

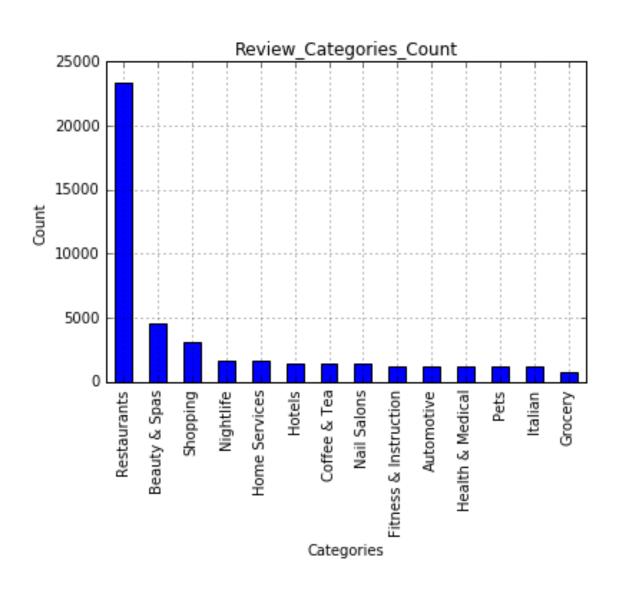
For business promotion, campaign

The best sushi in the town!
Wonderful place for a date!
Greatest service!



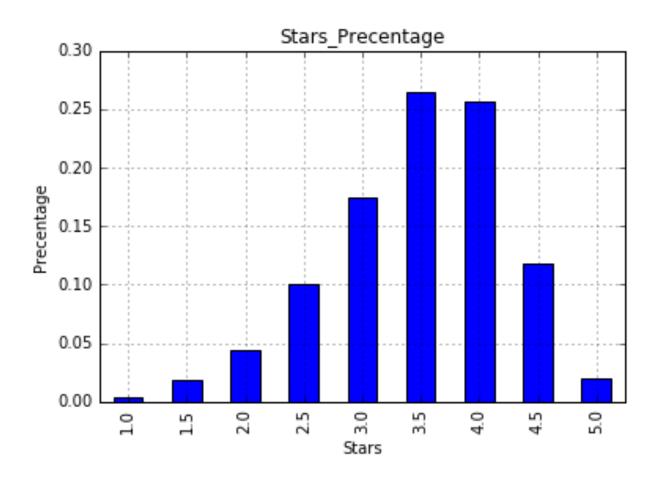
Data: Yelp Academic dataset

Focus on Business and Review



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Focus on Business and Review



Approaches

- 1. Random select 5000 4/5 stars review, and 5000 1 or 2 stars review. And build a sentiment classifier using either words count (tf-idf) or selected words count. Model validations. (Dato Graphlab create)
- 2. Choose the high and low "score" sentences from the review.
- 3. Deploying our model and build a web-app.