TRANSCRIPTION NORMALIZATION [NLP]

INTERNS

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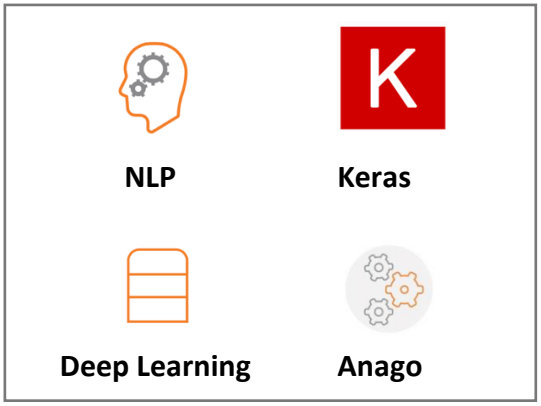
This project develops a Transcription Normalization engine, as well as building a framework to analyze voice data using bidirectional LSTM-CRF and sequence models.

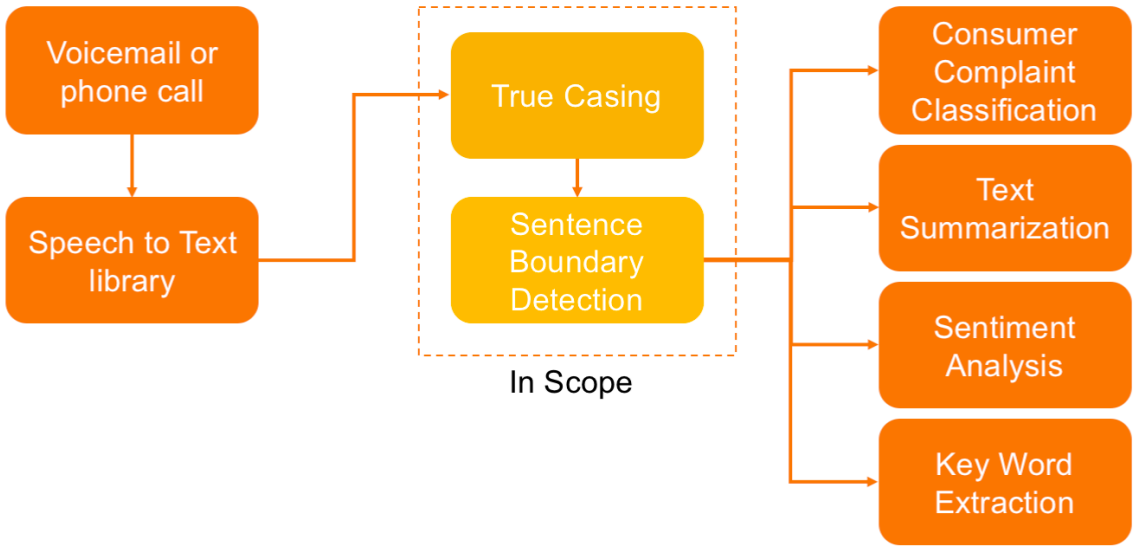
PROJECT GOALS

- Develop transcription normalization engine, using sequence labelling and bidirectional LSTM+CRF models
- Integration of normalization engine with the NLU Microservice
- Development of engine capability to recognize names, addresses, dates, times, phone numbers and ID'S
- Develop framework to analyze any voice data using sequence labelling models
- Develop expertise in Keras, and sequence labelling and bidirectional LSTM+CRF models as a part of the ATC AI/ML team

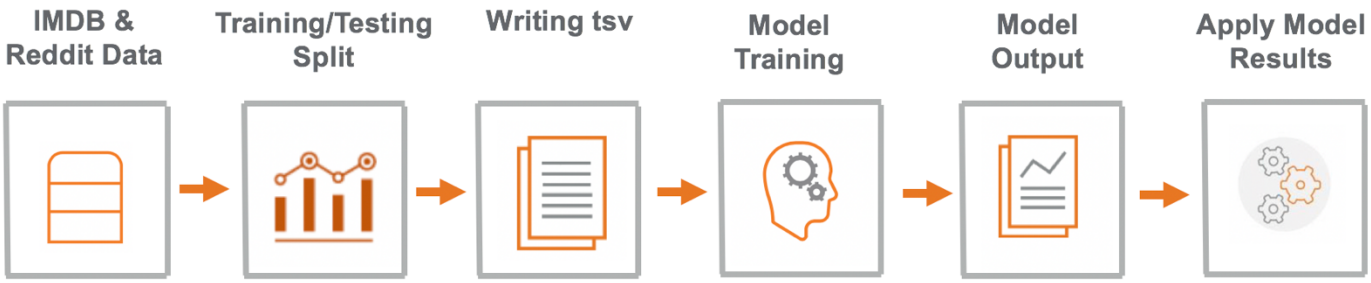
ASK US ABOUT



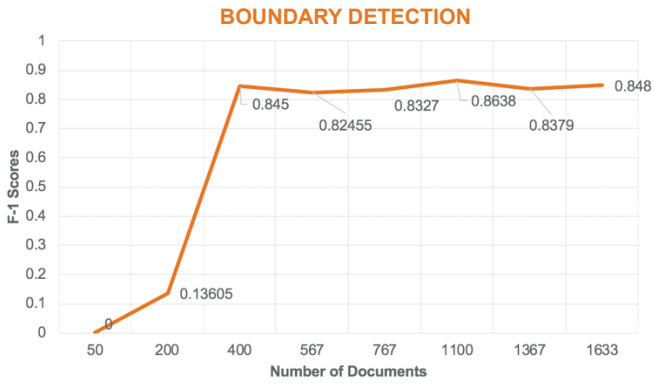
THE NLP PIPLINE

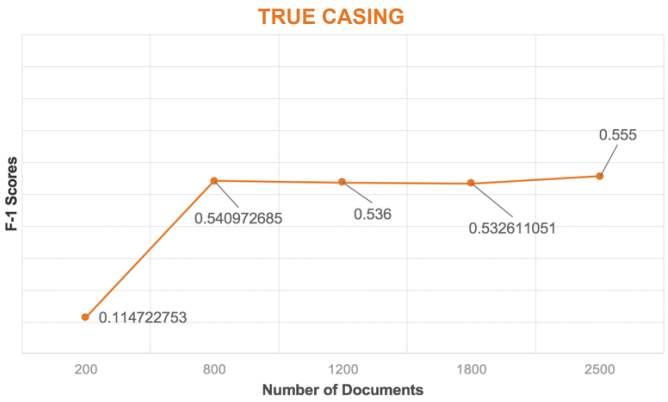


PROCESS OVERVIEW



F1-SCORES





RESULTS

we're also trying to make sure that you're getting the right drug so that's partly why we or our staff may ask you a series of questions to verify your identity otherwise how can we be sure that your prescription is for the twenty two year old ian jamieson who lives off broadway and not the sixty two year old mary jones who lives off clark street

We're also trying to make sure that you're getting the right drug so that's partly why we or our staff may ask you a series of questions to verify your identity. Otherwise how can we be sure that your prescription is for the 22 year old Ian Jamieson who lives off Broadway and not the 62 year old Mary Jones who lives off Clark Street.

NLP MICROSERVICE

Benefit Inquiry Matcher **Sentiment Classification** **Transcription Normalization**

EXTENSION

Behavioral Health Data

Fraud Detection

Real-time Feedback to Operators