

Project proposal

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General idea

The initial idea for this project is to detect sentiments inside a given conversation/text.

The mechanic of the program will rely on Google AutoML Natural Language API to train and predict the model, which uses song lyrics with labels to make predictions about the input.

The first step is to go through the song data, select about 5000 songs and label them. Then, the model will be trained and this will take a couple of days. In the meanwhile, we will start writing code for Racket to communicate with the API. We will be using `#lang racket`. In the end we will test the model.

If the song lyrics model does not work, we have a contingency model to classify single sentences. This alternative model, for example, will show if the sentence has affection in it or not.

Requirements

- A CSV file Song lyrics database from Kaggle
- Google AutoML Natural Language API