**Group 2 Project Proposal**

Group2

**Team Members:** Alex, Jinah, Emeka Pankaj

**Project Summary:** Youtube Slice and dice.

The idea of this project is to create an interactive webpage that allows our user to delve into a data set of trending youtube videos. Our user is able to interact with the data to look up; the most viewed data set in a given country, the most liked (or disliked) video, or the most commented on videos etc.

**Data sources:**

<https://www.kaggle.com/rsrishav/youtube-trending-video-dataset?select=CA_category_id.json>

To execute this project, we break it down into several phases.

**Pull and clean data set:** We need to extract all the data we intend to serve up to the client. In this case, Auto insurance rates – we intend to scrape insurance rates from various zip codes across the country. We will then pull weather data for same zip codes using API calls.

**Load and store:** We then intend to load said data into a SQL postgres database, join the data tables by location to create a searchable product.

**Flask:** The creation and utilization of a flask app will allow the user to extract auto insurance data as well as weather data for comparison and/or analysis.

**Visualize:** We then intend to create intend to create an interactive dashboard using js, html and css styling, where we have a user interact with the data to view filtered subsets of the data they wish to a view things like ‘The most disliked video in Mexico” could be filtered out and served up to the user from our postgres database.