**Final Project Proposal**

Project Topic: Twitter Sentiment Tracker - Covid 19

Group members:, Lisa Allred, Angela Banko, Ashley Drewry, Jillian Gonder, Todd Schanzlin, and John Swierczynski

Data Sources: Twitter API

Type of transformation needed:

Pull data from Twitter API

Analyze data with machine learning to determine sentiments

Put data in database - MongoDB - both machine learning data and raw data

Heroku/Mongo App

Website / Dashboard

Final tables/collection types Ideas:

Dashboard tracking COVID-19 sentiment overtime

Graphics: Positive/Negative Sentiment (Fearful, Angry, Sad, etc)

-States - Trump/Biden - VS Election Results Pre/post election

Breakdown - Mask Mandates/Vaccine/Restrictions by State

Map - Heat map - case counts and Positive/negative correlation

Task Breakdown:

Data Gathering/Data Cleaning- Twitter API – Todd

Tone Analyzer: Ashley

Model Creation: John

Database creation - MongoDB - Todd

Heroku deployment - Jill

Visualization (Tableau)- Lisa/Jill

Website design - Jill /Lisa

Presentation Slide Deck - Angela