**October 27, 2022.**

**Capstone Project for Data Science/ Machine Learning (Group7)**

**Presentation Title:** Analysis of Omicron Sentiment Using Python

**Research Focus:** Data Science and Machine Learning

**School:** DYLA Certification Program

**Presentation Type:** Oral Presentation

**By:**

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**SYSTEM DESIGN/METHODOLOGY**

This study covers a series of tweets from twitter which was scrapped and made available by Kaggle.

The ***VADER(Valence Aware Dictionary and Sentiment Reasoner)*** model and ***Roberta Pretrained Model*** would be used to analyze the tweets and determine if the sentiment is positive, negative or neutral. Both models are very effective sentiment analyzers for generating a positive, neutral, negative or compound feedback about a language.

The results from the models would now be used for a few analyses and visualization, while trying some groupings to show why certain tweets were positive, negative or neutral towards the Omicron Variant.

Below is the flowchart which shows the process of our work.

