Twitter Based GeoSentiment Analysis
Executive Summary

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This project details process and outcomes of implementing a geospatially dependent sentiment analysis of twitter data for the Sacramento region during the month of April 2018. The process presented outlines one approach to implementing ArcGIS's arcpy python module for automating the generation and management for a point feature class rendered onto three dynamically updated ArcMap documents. In addition to these geoprocessing techniques, this project outlines data pulling of tweets and uploading images to Twitter. The data pull outlined here details how to create and maintain an independent and persistent data pull from Twitter that returns geospatially dependent information. This geospatially dependent twitter information is then encoded with a sentiment value of positive, negative, or neutral that is later rendered onto the ArcMap document. While the data uploading mechanism is detailed and applied to the generated images of ArcMap documents for a specified Twitter feed.