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Title: An Interactive Visual Analytic Tool for Understanding Personal Emotion Style Derived from Social Media

Introduction:
It's a system which visualizes the emotional style based on tweets of a given user for a period of time. Plutchik model is used that classifies the tweets into categories such as anger, anticipation, joy, trust, fear, surprise, sadness, disgust.

Explanation of the solution:
Various graphs are used to represent emotional style. Emotional profile detail view which is stacked area graph represents emotional variance over period of time, mood word overview gives represents emotional values for tweets in the given time period in a pie chart, raw tweets view describes tweets and the emotional classification for the tweet.

Description result:
Stacked area chart shows how emotions vary over a period of time for a given user. Clicking on the particular time period shows some detailed charts that gives information for that particular time period. Example: One chart shows all the tweets in that period in a tabular format (raw tweets view) alongwith its emotional classification.

Contribution to the project:
Studying different possible approaches for sentiment analysis, implementing first chart (stacked area graph) which shows emotional level during given period of time.

New Skills:
Fetching tweets by web crawling using Python, Using Python's matplotlib, numpy libraries for data visualization and data processing.