

Assignment 5 Section 2

Exercise Portion using the HillaryTrump 30 sample tweets

1. Setting Operators, setting values and attributes to each operator and running the process.

Repository

Local Repository (etanan)

- data (etanan)
 - aca_tweets (etanan - v1, 12/1/18 7:45 PM - 207 kB)
 - trumptastic_hildog_tweets (etanan - v1, 12/1/18 6:47 PM - 207 kB)
- processes (etanan)
 - Week 5 Exe 1 (etanan - v1, 12/1/18 1:42 PM - 4 kB)
 - Week 5 Exe 2 (etanan - v1, 12/1/18 7:47 PM - 2 kB)
 - Week 5 Exe 2 ACA (etanan - v1, 12/2/18 9:56 PM - 2 kB)
 - Week 5 Exe 2 HillaryTrump (etanan - v1, 12/2/18 9:55 PM - 2 kB)

Operators

analyze

- Text Processing (7)
 - Aylien (4)
 - Document (2)
 - Analyze Sentiment (Document)
 - Analyze Aspect-Based Sentiment (Document)
 - Analyze Sentiment
 - Analyze Aspect-Based Sentiment

We found "MonkeyLearn", "RapidMiner Finance and Econom..." and 2 more results in the Marketplace. [Show me!](#)

Process

Process

100%

Retrieve trumptastic... Set Role (2) Sample (2) Analyze Sentiment (2)

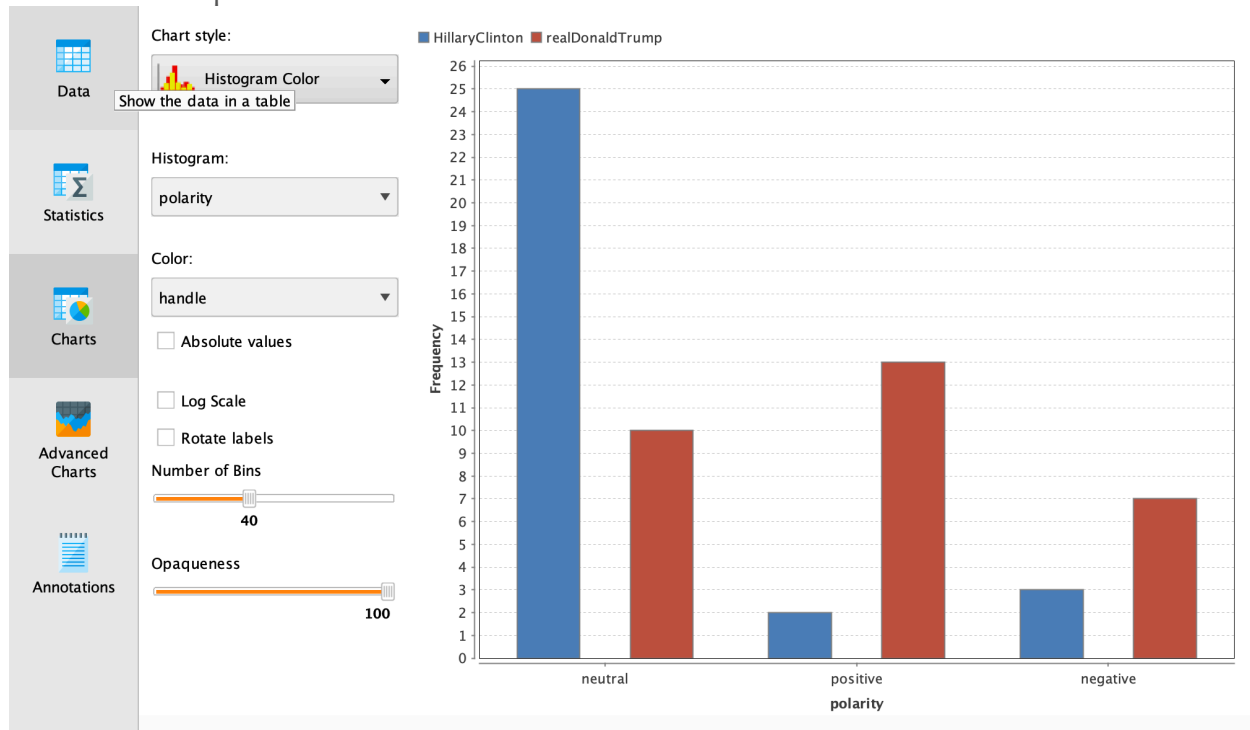
Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

Activate Wisdom of Crowds

2. Result Statistics

	Name	Type	Missing	Stat...	Filter (6 / 6 attributes):
Data	Polynomial	0		Least realDonaldTrump (30) Most HillaryClinton (30)	Search for Attribute.
Statistics	Numeric	0	Min 0.418 Max 1.000 Average 0.777		
Charts	Numeric	0	Min 0 Max 1 Average 0.950		
Advanced Charts	Polynomial	0	Least negative (10) Most neutral (35)	Values neutral (35), positive (15), ...[1 more]	
	Polynomial	0	Least unknown (2) Most subjective (44)	Values subjective (44), objective (14), ...[1 more]	
Annotations	Polynomial	0	Least ... y solo [...] VX2vm (0) Most "@FaceTh [...] IC8h" (1)	Values "@FaceTh [...] m8ozIC8h" (1), "@mikeli [...] q	

3. Charts of the results: In my case, Hillary's tweets were analyzed to be more neutral than either polars.

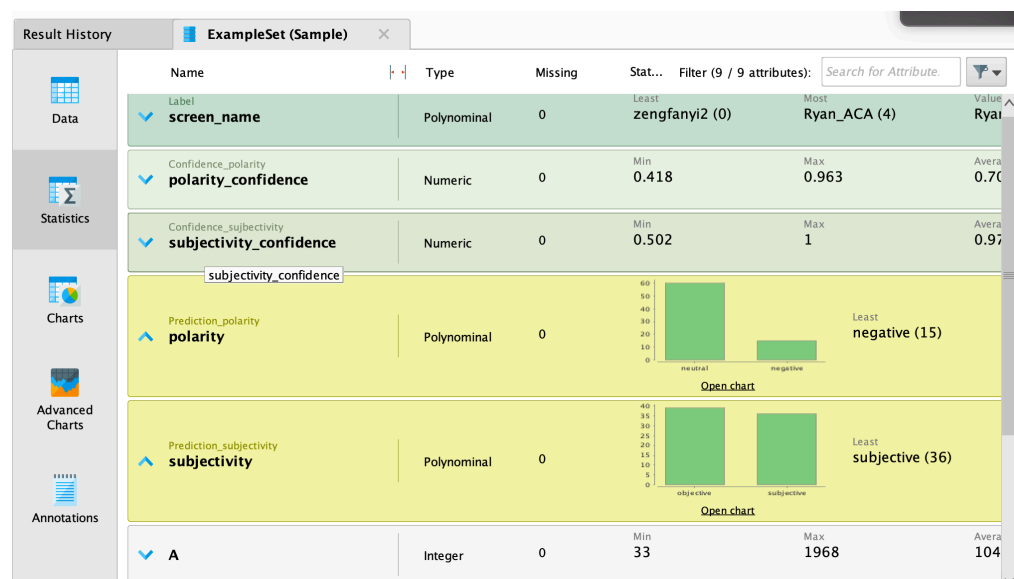


ASSINGMENT PORTION USING ACA TWEETS

1. Assigning operators, setting values to their attributes.
 - a. This time, I did not set the sample operator sampling in the advanced features. But rather kept absolute sampling of 75 tweets (text).

The screenshot displays the RapidMiner software interface. On the left, the **Repository** panel shows a local repository with folders for 'data' and 'processes'. The 'data' folder contains 'aca_tweets' and 'trumptastic_hildog_tweets'. The 'processes' folder contains several workflow files. Below the repository, the **Operators** panel shows a search for 'analyze' with results under 'Text Processing' > 'Document' > 'Analyze Sentiment'. The main **Process** panel shows a workflow: 'Retrieve aca_tweets' (input) -> 'Set Role' (output: 'exa', 'ori') -> 'Sample' (output: 'exa', 'ori') -> 'Analyze Sentiment' (output: 'Exa', 'Exa'). A message at the bottom states: 'Leverage the Wisdom of Crowds to get operator recommendations based on your process design!' with a button to 'Activate Wisdom of Crowds'.

2. The analysis determines that the tweets returned more negative and slightly neutral. However, it did not return any positive polarity. In terms of subjectivity, the tweets are slightly more subjective than they are objective.



3. The Histogram below displays the results by subjectivity and color coded by polarity (negative and neutral).

