



# SYSTEM AND UNIT TEST REPORT

**INSITE v1.0 — GOLDEN UNICORNS**

**11/29/22**

- I am a product manager on Slack, and I want to graph the number of messages sent in our workspace to find the best time for a meeting (Aanand)
  - Create a web-hook node
  - Create an edge-detector node
  - Create an aggregator node
  - Create a line chart
  - Create a text node with content “86400” & forward it into a convert to int node and supply the output to the “Seconds of History” for the line chart
  - Forward the web-hook into the edge-detector into the aggregator into the line chart data
- I am a data scientist, and want to see a histogram of my data to understand its distribution (Jackson)
  - Scenario 1 (Text)
    - Create a Text Input Node and fill with any amount of text or file
    - Create and link with a Text Tokenization Node
    - Create and link with the Histogram Node
- I am a financial planner and want to visualize my investment portfolio, to make more informative decisions
  - Scenario 1
- I am a trades manager and want to use natural language processing nodes to make sentiment analysis about current news to stay ahead of the market
  - Create a Text File node
    - Write any news headline

- Or upload entire file as a text file
- Create a Natural Language Analysis node
  - Select Sentiment Analysis for sentiment analysis information
  - Select Language detection for foreign language articles
  - Select Lemma for semantic and part of speech analysis
- Create Text Display node to get textual information of those analysis
- Alternatively Word Cloud can help alternative visualization as well
- I am a data scientist and want to normalize my dataset's numbers so that my gradient descent is more convergent
  - Create a CSV input with a CSV file with headers
  - Create a normalization node and select numeric columns to normalize
- I am a data scientist, and want to see a correlation matrix of my data to understand its distribution
  - Create a CSV input with a CSV file with headers connected to...
  - Create a handle missing values node and set it to drop rows missing values
  - Connect the handle missing values to a new correlation node
- I am a teacher and want to see a word cloud so that I know what themes recur in my student's writing
  - Create a Text Input Node
    - Write any number of words.
    - Or input a text file
  - Create and link a Text Tokenization Node
  - Create and link a Histogram Node to the Text Tokenization Node
  - Create and link a Word cloud Node to the Histogram Node
  - Remodify text in original Text Input Node as needed
- I am a financial manager and want to visualize my investment portfolio to make more informed decisions
  - Create a CSV node with headers containing investments

- Create a pie chart node and select a column type that represents the type of investments / the risk level / the term to show the relative amount of each kind of investment
- I am an Insite user and I want to be able to access my nodes on any device
  - Sign in to Insite via the landing page
  - Create a new flow
  - Add some nodes
  - Save the flow and give it a name
  - Close your tab
  - Re-open insite and create a new flow
  - Use the load button to reload your previously saved flow