

FinTech Unit 12 NLP Homework Grading Rubric

Criteria	Ratings			
Sentiment Analysis <ul style="list-style-type: none"> Coin with Highest Mean Positive Score determined. Coin with Highest Negative Score determined. Coin with Highest Positive Score determined. 	35 Points Mastery <ul style="list-style-type: none"> Completed 3 out of 3 requirements Code runs without error and produces the assigned results Code accounts for all possible scenario Code is free of bugs 	34 > 28 Points Approaching Mastery <ul style="list-style-type: none"> Completed 2 out of 3 of requirements Code runs without error Code produces results as expected 80% of the time 	28 > 23 Points Progressing <ul style="list-style-type: none"> Completed fewer than 1 out of 3 requirements Code runs without error Code produces results, but not necessarily the correct results 	23 > 0 Emerging <ul style="list-style-type: none"> Completed 1 or none out of the 3 requirements No submission Code runs with error
Natural Language Processing <p>Tokenize</p> <ul style="list-style-type: none"> NLTK used to lower case words, remove punctuation and remove stopwords. <p>N-grams</p> <ul style="list-style-type: none"> NLTK used to produced n-grams. Top 10 words listed for each Coin. <p>Cloud Generation</p> <ul style="list-style-type: none"> Words Cloud generated for each Coin summarizing news for each Coin. 	25 Points Mastery <ul style="list-style-type: none"> Completed 4 out of 4 requirements Code runs without error and produces the assigned results Code accounts for all possible scenario Code is free of bugs 	24 > 18 Points Approaching Mastery <ul style="list-style-type: none"> Completed 3 out of 4 of requirements Code runs without error Code produces results as expected 80% of the time 	18 > 13 Points Progressing <ul style="list-style-type: none"> Completed 2 out of 4 requirements Code runs without error Code produces results, but not necessarily the correct results 	13 > 0 Emerging <ul style="list-style-type: none"> Completed 1 or none out of the 4 requirements No submission Code runs with error
Named Entity Recognition <ul style="list-style-type: none"> Model build for both coins - Bitcoin and Ethereum - and Tags Visualized using SpaCy. 	10 Points Mastery <ul style="list-style-type: none"> Completed 2 out of 2 requirements Code runs without error and produces the assigned results Code accounts for all possible scenario Code is free of bugs 	9 > 7 Points Approaching Mastery <ul style="list-style-type: none"> Completed 2 out of 2 of requirements Code runs without error Code produces results as expected 80% of the time 	7 > 3 Points Progressing <ul style="list-style-type: none"> Completed 1 out of 2 requirements Code runs without error Code produces results, but not necessarily the correct results 	3 > 0 Emerging <ul style="list-style-type: none"> Completed 1 or none out of the 2 requirements No submission Code runs with error
Coding Conventions/Formatting <ul style="list-style-type: none"> Appropriate header, name, short description at top of the notebook Imports are at the top of the file, just after any headers or subheads. Files read in from relative file path Functions and variable names are descriptive, lowercase, with words separated by underscores Clean code, no repetition, maintainable 	10 Points Mastery	9 Points Approaching Mastery	8 Points Progressing	8 > 0 Emerging

and highly reusable code. • Appropriate code wrapping and cell sizes • Appropriate subheads as needed				
Deployment/Submission • Files submitted in personal repo • Appropriate directory structure with correct files needed to run scripts • Appropriate commit messages • Appropriate README	10 Points Mastery	9 Points Approaching Mastery	8 Points Progressing	8 > 0 Emerging
Documentation/Comments • Code is well commented with concise, relevant comments	10 Points Mastery	9 Points Approaching Mastery	8 Points Progressing	8 > 0 Emerging