FinTech Unit 4 Homework Grading Rubric

Criteria	Ratings – Max Points				
 Pandas is used to read each CSV file as a DataFrame Null values have been detected and removed Numeric values have been formatted and data types converted S&P 500 closing prices have been converted to daily returns Whale Returns, Algorithmic Returns, and the S&P 500 Returns are joined into a single DataFrame with columns for each portfolio's returns 	20 Points - Mastery Completed 5 out of 5 requirements Code runs without error and produces the assigned results Code accounts for all possible scenario Code is free of bugs	15 Points - Approaching Mastery • Completed 3 out of 5 of requirements • Code runs without error • Code produces results as expected 80% or more of the time	Opints - Progressing Completed 2 out of 5 requirements Code runs without error Code produces results, but not necessarily the correct results	 5 Points - Emerging Completed 1 or none out of the 5 requirements No submission Code runs with error 	
Quantitative Analysis: Performance Analysis: Cumulative returns for each portfolio calculated and plotted. Compares each portfolio's returns to the S&P 500 Risk Analysis: Box plot for each of the returns created, with largest and smallest spread identified Standard deviation is calculated for each portfolio, identify risk in comparison to S&P 500	20 Points - Mastery Completed 8 out of 8 requirements Code runs without error and produces the assigned results Code accounts for all possible scenario Code is free of bugs	15 Points - Approaching Mastery • Completed 5 out of 8 requirements • Code runs without error • Code produces results as expected 80% or more of the time	10 Points - Progressing • Completed 3 out of 8 requirements • Code runs without error • Code produces results, but not necessarily the correct results	 5 Points - Emerging Completed 2 or fewer out of the 8 requirements No submission Code runs with error 	

• Code Runs without error and produces the assigned	10 Points - Approaching Mastery • Completed 2 out of 3 requirements • Code runs without error	 5 Points - Progressing Completed 1 out of 3 requirements Code runs without error Code produces results, 	• Completed none or partial out of the 3 requirements • No submission • Code runs with error
 Code accounts for all possible scenario Code is free of bugs 	expected 80% or more of the time	correct results	• code runs with error
15 Points - Mastery	10 Points - Approaching	5 Points - Progressing	0 Points - Emerging
 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 	Mastery • Completed 2 out of 3 requirements • Code runs without error • Code produces results as expected 80% or more of the time	 Completed 1 out of 3 requirements Code runs without error Code produces results, but not necessarily the correct results 	 Completed none or partial out of the 3 requirements No submission Code runs with error
	 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 15 Points - Mastery Completed 3 out of 3 requirements Code Runs without error and produces the assigned results Code accounts for all possible scenario 	 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 Tode Runs without error of the time Code runs without error of the time Code Runs without error and produces the assigned results Code Runs without error and produces the assigned results Code accounts for all possible scenario Code produces results as expected 2 out of 3 requirements Completed 80% or more of the time 	 Completed 3 out of 3 requirements Code Runs without error and produces the assigned results Code accounts for all possible scenario Completed 2 out of 3 requirements Code runs without error Code produces results as expected 80% or more of the time Code is free of bugs Doints - Mastery Completed 1 out of 3 requirements Code runs without error Code produces results as expected 80% or more of the time Completed 1 out of 3 requirements Code produces results as expected 80% or more of the time Completed 1 out of 3 requirements Code produces results Completed 1 out of 3 requirements Code produces results Completed 1 out of 3 requirements Completed 1 out of 3 requirements Completed 1 out of 3 requirements Code produces results Completed 2 out of 3 requirements Completed 1 out of 3 requirements Code produces results Completed 1 out of 3 requirements Code produces results Completed 1 out of 3 requirements Code produces results Code runs without error Code runs without error Code runs without error Code produces results as expected 80% or more of the time

 Coding Conventions/Formatting 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 and highly reusable code. Appropriate code wrapping and cell sizes Appropriate subheads as needed 	10 Points - Mastery	8 Points - Approaching Mastery	5 Points - Progressing	0 Points - Emerging
 Peployment/Submission Files submitted in personal repo Appropriate directory structure with correct files needed to run scripts Appropriate commit messages Appropriate README 	10 Points - Mastery	8 Points - Approaching Mastery	5 Points - Progressing	0 Points - Emerging
Code is well commented with concise, relevant comments	10 Points - Mastery	8 Points - Approaching Mastery	5 Points - Progressing	0 Points - Emerging