

FinTech Unit 6 Homework: Grading Rubric

Criteria	Ratings			
<p>Rental Analysis</p> <ul style="list-style-type: none"> • Number of housing units per year calculated. • Bar chart visualization of rental analysis results. <p>Average Gross Rent in San Francisco Per Year</p> <ul style="list-style-type: none"> • Gross Calculated for each year. • Gross rent per year visualized in line chart. 	<p>20 Points Mastery</p> <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 	<p>19 > 16 Points Approaching Mastery</p> <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 	<p>16 > 14 Points Progressing</p> <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 	<p>14 > 0 Emerging</p> <ul style="list-style-type: none"> • Completed 1 or none out of the 4 requirements • No submission • Code runs with error
<p>Average Sales Price Per Year</p> <ul style="list-style-type: none"> • Gross Calculated for each year. • Gross rent per year visualized in line chart. <p>Average Prices By Neighborhood</p> <ul style="list-style-type: none"> • Data grouped by year and neighborhood and average calculated per sqft. • Average sales per sqft per year visualized with a neighborhood dropdown selector. 	<p>20 Points Mastery</p> <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 	<p>19 > 16 Points Approaching Mastery</p> <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 	<p>16 > 14 Points Progressing</p> <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 	<p>14 > 0 Emerging</p> <ul style="list-style-type: none"> • Completed 1 or none out of the 4 requirements • No submission • Code runs with error

Top 10 Most Expensive Neighborhoods <ul style="list-style-type: none"> calculate the mean sale price for each neighborhood and then sort the values to obtain the top 10 most expensive neighborhoods on average Result plotted as a bar chart. Parallel Coordinates and Parallel Categories Analysis <ul style="list-style-type: none"> Parallel Coordinates Plotted Parallel Categories Plotted 	15 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 	14 > 11 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 	11 > 9 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 	9 > 0 Emerging <ul style="list-style-type: none"> Completed 1 or none out of the 4 requirements No submission Code runs with error
Neighborhood Map <ul style="list-style-type: none"> Interactive map with average neighborhood prices per sqft. Dashboard <ul style="list-style-type: none"> Interactive dashboard encompassing each functional visualization. 	15 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 	14 > 11 Points Approaching Mastery <ul style="list-style-type: none"> Completed 1 out of 2 of requirements Code runs without error Code produces results as expected 80% of the time 	11 > 9 Points Progressing <ul style="list-style-type: none"> Completed fewer than 1 out of 2 requirements Code runs without error Code produces results, but not necessarily the correct results 	9 > 0 Emerging <ul style="list-style-type: none"> Completed 0 out of 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 	10 Points Mastery	9 Points Approaching Mastery	8 Points Progressing	8 > 0 Emerging

<ul style="list-style-type: none"> • Clean code, no repetition, maintainable and highly reusable code. • Appropriate code wrapping and cell sizes • Appropriate subheads as needed 				
Deployment/Submission <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Code is well commented with concise, relevant comments 	10 Points Mastery	9 Points Approaching Mastery	8 Points Progressing	8 > 0 Emerging