

**Rubric for PyBer Challenge:**

	<b>Mastery 20 points</b>	<b>Approaching Mastery 15 points</b>	<b>Progressing 10 points</b>	<b>Emerging 0-5 points</b>	<b>Incomplete</b>
<b>Written Analysis</b>	<p>Presents a cohesive written analysis that</p> <ul style="list-style-type: none"> <li>✓ Summarizes data displayed in the DataFrame</li> <li>✓ Summarizes the data displayed in the Multiple-line chart</li> <li>✓ Explains the implication of the data summarized in the DataFrame <b>and</b> the Multiple-line chart</li> </ul>	<p>Presents a cohesive written analysis that</p> <ul style="list-style-type: none"> <li>✓ Summarizes data displayed in the DataFrame</li> <li>✓ Summarizes the data displayed in the Multiple-line chart</li> <li>✓ Explains the implication of the data summarized in the DataFrame <b>or</b> the Multiple-line chart</li> </ul>	<p>Presents a developing written analysis that</p> <ul style="list-style-type: none"> <li>✓ Summarizes data displayed in the DataFrame</li> <li>✓ Summarizes the data displayed in the Multiple-line chart</li> <li>✓ Explains the implication of the data summarized in the DataFrame <b>and/or</b> the Multiple-line chart</li> </ul>	<p>Presents a limited written analysis or no written analysis that</p> <ul style="list-style-type: none"> <li>✓ Summarizes data displayed in the DataFrame</li> <li>✓ Summarizes the data displayed in the Multiple-line chart</li> <li>✓ Explains the implication of the data summarized in the DataFrame and/or the Multiple-line chart</li> </ul>	<p>No submission was received</p> <p>-OR-</p> <p>Submission was empty or blank</p>
<b>Summary DataFrame</b>	<p>The notebook generates a summary DataFrame, that contains:</p> <ul style="list-style-type: none"> <li>✓ The Total Rides</li> <li>✓ The Total Drivers</li> <li>✓ Total Fares</li> <li>✓ Average Fare per Ride</li> <li>✓ Average Fare per Driver</li> </ul>	<p>The notebook generates a summary DataFrame, that contains at least three to four of the following:</p> <ul style="list-style-type: none"> <li>✓ The Total Rides</li> <li>✓ The Total Drivers</li> <li>✓ Total Fares</li> <li>✓ Average Fare per Ride</li> <li>✓ Average Fare per Driver</li> </ul>	<p>The notebook generates a summary DataFrame, that contains at least one to two of the following:</p> <ul style="list-style-type: none"> <li>✓ One or more drug</li> <li>✓ The Total Rides</li> <li>✓ The Total Drivers</li> <li>✓ Total Fares</li> <li>✓ Average Fare per Ride</li> <li>✓ Average Fare per Driver</li> </ul>	<ul style="list-style-type: none"> <li>✓ The notebook does not generate a summary DataFrame, but does create a DataFrame with the correct column names.</li> </ul>	
<b>Summary DataFrame Formatting</b>	<p>The notebook generates a summary DataFrame, where all of the following are completed.</p> <ul style="list-style-type: none"> <li>✓ The values in the rows are correct according to the solution.</li> <li>✓ The index name, "type" after the groupby function is used has been deleted.</li> <li>✓ The columns are formatted.</li> </ul>	<p>The notebook generates a summary DataFrame, where two of the following are completed.</p> <ul style="list-style-type: none"> <li>✓ The values in the rows are correct according to the solution.</li> <li>✓ The index name, "type" after the groupby function is used has been deleted.</li> <li>✓ The columns are formatted.</li> </ul>	<p>The notebook generates a summary DataFrame, where one of the following are completed.</p> <ul style="list-style-type: none"> <li>✓ The values in the rows are correct according to the solution.</li> <li>✓ The index name, "type" after the groupby function is used has been deleted.</li> <li>✓ The columns are formatted.</li> </ul>	<p>The notebook generates a summary DataFrame, where none of the following are completed.</p> <ul style="list-style-type: none"> <li>✓ The index name, "type" after the groupby function is used has been deleted.</li> <li>✓ The columns are formatted.</li> </ul> <p>And:</p>	<p>-OR-</p> <p>Submission contains evidence of academic dishonesty</p>

				<ul style="list-style-type: none"> <li>✓ The values in the rows are incorrect according to the solution.</li> </ul>	
<b>Multiple-Line Chart–Graph</b>	Line chart accurately matches the line chart provided in homework description.	<p>A line chart that does not match the line chart provided in homework, but contains</p> <ul style="list-style-type: none"> <li>✓ Three separate line graphs of the data and time period specified in one output file</li> </ul>	<p>A line chart that does not match the line chart provided in homework, but contains.</p> <ul style="list-style-type: none"> <li>✓ Three separate line graphs of the data and time period specified in three separate output files.</li> </ul>	<p>A line chart that does not match the line chart provided in homework, but contains</p> <ul style="list-style-type: none"> <li>✓ One line graph of the data and time period specified.</li> </ul>	
<b>Multiple-Line Chart–Formatting</b>	<p>The line chart has all of the following:</p> <ul style="list-style-type: none"> <li>✓ The graph is annotated.</li> <li>✓ The x-axis data is by "months" according to the instructions.</li> <li>✓ The correct graph style is used.</li> </ul>	<p>The line chart has two of the following:</p> <ul style="list-style-type: none"> <li>✓ The graph is annotated.</li> <li>✓ The x-axis data is by "months" according to the instructions.</li> <li>✓ The correct graph style is used.</li> </ul>	<p>The line chart has one of the following:</p> <ul style="list-style-type: none"> <li>✓ The graph is annotated.</li> <li>✓ The x-axis data is by "months" according to the instructions.</li> <li>✓ The correct graph style is used.</li> </ul>	<p>The line chart has none of the following:</p> <ul style="list-style-type: none"> <li>✓ The graph is annotated.</li> <li>✓ The x-axis data is by "months" according to the instructions.</li> <li>✓ The correct graph style is used.</li> </ul>	