Rubric for PyBer:

Criteria	Demonstrating Proficiency 35 to > 31 points	Approaching Proficiency 31 to > 27 points	Developing Proficiency 27 to > 24 points	Emerging 24 to > 0 points	Incomplete 0 points	Pts
Deliverable 1: A ride-sharing summary DataFrame by city type	✓The total rides, total drivers, or sum of the fares for each city type are correctly retrieved. ✓The average fare per ride for each city type is correctly calculated. ✓The average fare per driver for each city type is correctly calculated. ✓A summary DataFrame is created and all the columns are correct. ✓All FIVE columns of the summary DataFrame are correctly formatted	TWO of the THREE following data points are correctly retrieved: ✓The total rides, total drivers, or sum of the fares for each city type. AND: ✓Code is written to retrieve the remaining data points for each city type but with one minor error. ✓The average fare per ride OR per driver for each city type is correctly calculated, and the other is incorrect. (8-9 pt). ✓A summary DataFrame is created, but only THREE to FOUR of the columns are correct. ✓THREE to FOUR of the columns of the DataFrame are correctly formatted	TWO of the THREE following data points are correctly retrieved: ✓The total rides, total drivers, or sum of the fares for each city type. AND: ✓Code is written to retrieve the remaining data points for each city type but with one minor error. ✓Code is written to calculate the average fare per ride for each city type but with one minor error. ✓Code is written to calculate the average fare per driver for each city type but with one minor error. ✓A summary DataFrame is created, but only TWO to THREE of the columns are correct. ✓TWO to THREE of the columns of the DataFrame are correctly formatted	ONE of the THREE following data points are correctly retrieved: ✓The total rides, total drivers, or sum of the fares for each city type. AND: ✓Code is written to retrieve the other TWO data points for each city type but with minor errors. ✓Code is written to calculate the average fare per ride for each city type but with one minor error. ✓Code is written to calculate the average fare per driver for each city type but with one minor error. ✓A summary DataFrame is created, but only ONE to TWO of the columns are correct. ✓ONE to TWO of the columns of the DataFrame are correctly formatted		35.0
	Demonstrating Proficiency 45 to > 42 points	**Approaching Proficiency 42 to > 39 points**	**Developing Proficiency 39 to > 35 points**	**Emerging 34 to > 0 points**		
Deliverable 2: A multiple-line chart of total fares for each city type	✓A DataFrame was created using the groupby() function on the “type” and “date” columns, and the sum() method is applied on the “fare” column.	✓A DataFrame was created using the groupby() function on the “type” and “date” columns, and the sum() method is applied on the “fare” column.	✓A DataFrame was created using the groupby() function on the “type” and “date” columns, and the sum() method is applied on the “fare” column.	✓A DataFrame was created using the groupby() function on the “type” and “date” columns, and the sum() method is applied on the “fare” column.		45.0

	✓A DataFrame was created using the pivot() function where the index is the “date”, the columns are the city “type”, and values are the “fare”. ✓A DataFrame was created using the loc method on the date range indicated ✓A DataFrame was created using the resample() function in weekly bins and shows the sum of the fares for each week. ✓An annotated chart showing the total fares by city type is created and saved.	✓A DataFrame was created using the pivot() function where the index is the “date”, the columns are the city “type”, and values are the “fare”. ✓A DataFrame was created using the loc method on the date range indicated. ✓A DataFrame was created using the resample() function in weekly bins and shows the sum of the fares for each week. ✓The graph may have multiple lines but not like the solution, but is annotated and saved.	✓A DataFrame was created using the pivot() function where the index is the “date”, the columns are the city “type”, and values are the “fare”. ✓A DataFrame was created using the loc method on the date range indicated. ✓Code is written to create a DataFrame using the resample() function in weekly bins, but the total fares aren’t retrieved correctly. ✓The graph may have multiple lines but not like the solution, but is annotated and saved.	✓Code is written with a minor error to create a DataFrame using the pivot() function where the index is the “date” and each column has the city “type”. ✓A DataFrame was created using the loc method on the date range indicated. ✓Code is written to create a DataFrame using the resample() function in weekly bins, but the total fares aren’t retrieved correctly. ✓The graph doesn’t have multiple lines but is annotated and saved.		
	Demonstrating Proficiency 6 points	**Approaching Proficiency 5 to > 4 points**	**Developing Proficiency 4 to > 3 points**	**Emerging 3 to > 0 points**		
Deliverable 3: Structure, Organization, and Formatting	The written analysis has ALL of the following: ✓There is a title, and there are multiple sections. ✓Each section has a heading and subheading. ✓There are images which are formatted and displayed correctly.	The written analysis has ALL of the following: ✓There is a title, and there are multiple sections. ✓Each section has a heading and subheading. ✓There are images which are formatted and displayed correctly with one or two minor errors.	The written analysis has ALL of the following: ✓There is a title, and there are multiple sections. ✓AND ONE of the following: ✓Each section may have a heading and subheading. ✓There are images which are formatted and displayed correctly with one or two minor errors.	The written analysis has ALL of the following: ✓There is a title. ✓There may be a subheading for a section. ✓There are no headings for each section, but there are three sections.		6.0
	Demonstrating Proficiency 14 to > 11 points	**Approaching Proficiency 11 to > 10 points**	**Developing Proficiency 9 to > 8 points**	**Emerging 8 to > 0 points**		
Deliverable 3: Analysis	✓The purpose is well defined. ✓There is a description of the differences in the ride-sharing data for ALL SIX metrics by city	✓The purpose is well defined. ✓There is a description of the differences in the ride-sharing data for FOUR to FIVE of the SIX	✓The purpose is well defined. ✓There is a description of the differences in the ride-sharing data for TWO to THREE of the	✓The purpose is well defined. ✓There is a description of the differences in the ride-sharing data for ONE to TWO of the		14.0

	type. ✓There is a statement summarizing THREE business recommendations addressing disparities among the city types.	metrics by city type. ✓There is a statement summarizing TWO business recommendations addressing disparities among the city types.	SIX metrics by city type. ✓There is a statement summarizing ONE business recommendation addressing disparities among the city types.	SIX metrics by city type. ✓The summary does not adequately address business recommendations addressing disparities among the city types.		