Rubric for Tableau:

	Mastery 20 to > 18 points	Approaching Mastery 18 to > 16 points	Progressing 16 to > 13 points	Emerging 13 to > 0 points	Incomplete
Deliverable 1: Change Trip Duration to a Datetime Format	✓ The "tripduration" column is converted to a datetime datatype and has the correct time format. (15 pt) ✓The DataFrame is exported as a new file without the index (5 pt)	✓ The data in the "tripduration" column is converted to a datetime datatype but the format is in seconds. (13 pt) ✓The DataFrame is exported as a new file without the index (5 pt)	✓ The data in the "tripduration" column is converted to a datetime datatype but the format is in milliseconds. (11 pt) ✓The DataFrame is exported as a new file without the index (5 pt)	✓ The data in the "tripduration" column is converted to a datetime datatype but the format shows is in nanoseconds. (9 pt) ✓The DataFrame is exported as a new file, but has the index (4 pt)	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
	Mastery 50 to > 46 points	**Approaching Mastery 46 to > 42 points**	**Progressing 41 to > 39 points**	**Emerging 38 to > 0 points**	
Deliverable 2: Create Visualizations for the Trip Analysis	✓ There is a line graph displaying the number of bikes checked out by duration for all users, and the graph can be filtered by the hour(10 pt). ✓There is a line graph displaying the number of bikes that are checked out by duration for each gender by the hour, and the graph can be filtered by the hour and gender(10 pt). ✓A heatmap is created showing the number of bike trips for each hour of each day of the week (10 pt). ✓A heatmap is created showing the number of bike trips by gender for each hour of each day of the week, and the heatmap can be filtered by gender(10 pt). ✓A heatmap is created showing the number of bike trips for each type of user and gender for each day of the week, and you can only filter by user AND gender (10 pt).	✓ There is a line graph displaying the number of bikes checked out by duration for all users, and the graph can be filtered by the hour (10 pt). ✓There is a line graph displaying the number of bikes that are checked out by duration for each gender by the hour, and the graph can be filtered by the hour OR gender. (8 pt) ✓A heatmap is created showing the number of bike trips for each hour of each day of the week (10 pt). ✓A heatmap is created showing the number of bike trips by gender for each hour of each day of the week, and the heatmap can be filtered by gender (10 pt). ✓A heatmap is created showing the number of bike trips for each type of user and gender for each day of the week, and you can only filter by user OR gender (8 pt)	✓ There is a line graph displaying the number of bikes checked out by duration for all users, but the graph can't be filtered (9 pt) ✓ There is a line graph displaying the number of bikes that are checked out by duration for each gender by the hour, but the graph cannot be filtered by hour OR gender (7 pt) ✓ A heatmap is created showing the number of bike trips for each hour of each day of the week(10 pt). ✓ A heatmap is created showing the number of bike trips by gender for each day of the week, and the heatmap can be filtered by gender (9 pt). ✓ A heatmap is created showing the number of bike trips for each type of user and gender for each day of the week, and you can't filter by user or gender (7 pt)	✓ There is a line graph displaying the checkout times for each minute for all users (8 pt). ✓There is a line graph displaying the number of bikes that are checked out by duration for each gender by the hour, but the graph cannot be filtered by gender (6 pt) ✓ A heatmap is created showing the number of bike trips for each hour of each day of the week (10 pt). ✓ A heatmap is created showing the number of bike trips by gender for each day of the week, but there is no filter for gender (8 pt). ✓ A heatmap is created showing the number of bike trips for each type of user OR gender only for each day of the week, and you can't filter by user OR gender (6 pt)	
	Mastery	**Approaching Mastery**	**Progressing**	**Emerging**	

	6 points	5 to > 4 points	4 to > 3 points	3 to > 0 points	
Deliverable 3: Create a Story and Report for the Final Presentation **Structure, Organization, and Formatting**	The written analysis has ALL of the following: ✓ There is a title, and there are multiple sections. (2 pt) ✓ Each section has a heading and subheading. (2 pt) ✓ There are images which are formatted and displayed correctly. (2 pt)	The written analysis has ALL of the following: ✓ There is a title, and there are multiple sections. (2 pt) ✓ Each section has a heading and subheading. (2 pt) ✓ There are images which are formatted and displayed correctly with one or two minor errors. (1 pt)	The written analysis has ALL of the following: ✓ There is a title, and there are multiple sections. (2 pt) AND ONE of the following: ✓ Each section may have a heading and subheading. (2 pt) ✓ There are images which are formatted and displayed correctly with one or two minor errors. (1 pt)	The written analysis has ALL of the following: ✓ There is a title. (1 pt) ✓ There may be a subheading for a section. (1 pt) ✓ There are no headings for each section, but there are three sections. (1 pt)	
	Mastery **24 to > 21 points**	**Approaching Mastery** **21 to > 18 points**	**Progressing** **18 to > 15 points**	**Emerging** **15 to > 0 points**	
Deliverable 3: Create a Story and Report for the Final Presentation **Analysis**	✓ The purpose is well defined (5 pt) ✓ There are SEVEN visualizations and a summary of each one (14 pt) ✓ There is high-level summary of the results and there are TWO additional visualizations to be created mentioned (5 pt)	✓ The purpose is well defined (5 pt) ✓ There are SIX of SEVEN visualizations and a summary of each one (12 pt) ✓ The high-level summary doesn't summarize all of the results but there are TWO additional visualizations to be created mentioned (4 pt)	✓ The purpose is well defined (5 pt) ✓ There are FIVE of SEVEN visualizations and a summary of each one (10 pt) ✓ The high-level summary doesn't summarize all of the results and there are only ONE or TWO additional visualizations to be created mentioned (3 pt)	✓ The purpose is well defined (5 pt) ✓ There are FOUR of SEVEN visualizations and a summary of each one (8 pt) ✓ The summary only mentions ONE or TWO additional visualizations to be created (1-2 pt)	