M319: AP Computer Science Principles
Chapter 9: Data Science & Open Data
Open Data Project Rubric

Name: _____

Date: _____ Teacher: _____

Open Data Project Rubric

Part 1: Import and Trime (12 points)

• Import data and display length	2 point	
• Create numpy array of numbers	2 point	
• Convert data	6 points	
• Compute three statistics	2 point	_____ / 12

Part 2: Create a Histogram (12 points)

• Frequency bins	2 point	
• Graph details	6 points	
• Quality	4 point	_____ / 12

Part 3: Modifying Data Using Counts (12 points)

• Create a pandas series of value counts	6 points	
• Create two separate lists	6 points	_____ / 12

Part 4: Create a Pie Chart (12 points)

• Appropriate labels	6 points	
• Graph details	6 point	
• Quality	6 point	_____ / 12

Part 5: Be a Data Scientist! (24 points)

• Additional question	6 points	
• Create Pandas Series of data	6 points	
• Create two sorted lists	12 points	_____ / 24

Part 6: Create a Bar Chart to Visualize Data (12 points)

• Bar position list	2 point	
• Graph details	6 points	
• Quality	4 points	_____ / 12

Part 7: Answer (10 points)

• Provides answer	2 point	
• Discusses process used	4 points	
• Quality	4 points	_____ / 12

Part 8: Reflection (4 points)

• Quality of answer	4 points	_____ / 4

Project total: _____ / 100