**Uber Trip Analytics Quality Assurance Documentation**

**Hours Spent: 8 hours**

**Scope**

1. Period Range – Due to weather data restrictions, relational analysis is based on April to June.

**Data Architecture Process**

1. To optimize data, convert monthly Uber trip files into Excel files.
2. Add a weather event column in the weather mapping file for optimized filtering.
3. Connect monthly Uber trip files.
4. Left outer join on the union table based on the date column.

**Tableau Development**

1. Properly name tables for data sources.
2. Design graphs using appropriate data dimensions and measures.
3. Represent with highlight information cards.
4. Design filter interactions.

**Data Defects Found**

1. Date column in the Uber trip file is recognized in reverse order (month-day).

**Remediation**

1. Normalize date recognition using formatting editing features.