Bike Dimension

We used Excel to create a flat file table with the needed appropriate attributes along with Bike\_id. Bike\_id was pulled out of the austin\_bikeshare\_trips from Kaggle and deduped the ids. The flat file was then loaded into SSIS. This allowed the data to be loaded into the SQL server table.

Subscriber Dimension

We used Python to pull the needed columns into a table. We then deduped the rows. The flat file was then loaded into SSIS. This allowed the data to be loaded into the SQL server table. It was later reloaded to simulate a Type II dimension change for Subscriber\_Type.

Station Dimension

This flat file was downloaded from Kaggle. It was then loaded into SSIS. This allowed the data to be loaded into the SQL server table. It was later reloaded to simulate a Type II dimension change for StationName.

Weather Dimension

This flat file was downloaded from Kaggle. It was then loaded into SSIS. We then used SSIS to choose the needed columns and loaded them into the SQL server table.

Date Dimension

We used Excel to create a flat file table with the needed appropriate attributes. The flat file was then loaded into SSIS. This allowed the data to be loaded into the SQL server table.

Time Dimension

We used Excel to create a flat file table with the needed appropriate attributes. The flat file was then loaded into SSIS. This allowed the data to be loaded into the SQL server table.

Time\_Travelled Fact Table

The fact table was created by cleaning the austin\_bikeshare\_trips and taking the columns needed. It was then loaded into SSIS. This allowed the data to be loaded into the SQL server table.