Note:

Inside this zipped file are many Python files that worked towards our cleaning and analysis. This was done to help streamline the different analytical methods we wanted to apply to the data. This allowed us to work independently. Combining them into one large Python file at this point would be cumbersome and not conducive to showing how the analysis was performed.

1. **‘Saving\_Combined\_Project\_File’ code file**
   1. This was used to combine all the data downloaded from BTS and saved
   2. Output was saved as ‘OTP\_11.17.19.pk1’
2. ‘**OTP\_Project\_Main\_11.24.19’ code file**
   1. ‘OTP\_11.17.19.pk1’ is imported to this code and cleaned
   2. Additional files were added to the dataset
   3. Output was saved as ‘Flights.pk1’
3. **‘Flights\_Clean\_FinalCopy\_12.12.19’ code file**
   1. Exploratory data analysis insights
      1. ‘Airline\_Sentiment\_FinalCopy12.12.19’ code
         1. Analysis to compare data insight from EDA
      2. ‘Linear Regression’ code file
      3. ‘Time Series’ code file
      4. ‘Flight Cancelled Logistics Regression’ code file
      5. ‘Flight Delayed Logistics Regression’ code file
      6. ‘Regression Model Analysis’ code file
4. **Final Presentation**