

1. **driver_details:** The driver details table contains information about 200000 truck drivers involved in the study across nine fields.
 - 1.1. 'driver_id': unique identification for each driver
 - 1.2. 'name': name of the truck driver
 - 1.3. 'gender': gender of the truck driver
 - 1.4. 'age': age of the truck driver
 - 1.5. 'experience': experience of the truck driver in years
 - 1.6. 'driving_style': driving style of the truck driver, conservative or proactive
 - 1.7. 'ratings': average rating of the truck driver on a scale of 1 to 5
 - 1.8. 'vehicle_no': the number of the driver's truck
 - 1.9. 'average_speed_mph': average speed the truck driver in miles per hour
2. **truck_details:** The truck details table contains information about 200000 trucks involved in the study across five fields.
 - 2.1. 'truck_id': the unique identification number of the truck
 - 2.2. 'truck_age': age of the truck in years
 - 2.3. 'load_capacity_pounds': loading capacity of the truck in years
 - 2.4. 'mileage_mpg': mileage of the truck in miles per gallon
 - 2.5. 'fuel_type': fuel type of the truck
3. **city_details:** The city details table contains the information for 49 cities.
 - 3.1. 'city_id': the unique identification number of the city
 - 3.2. 'city_name': name of the city
 - 3.3. 'lat': latitude
 - 3.4. 'lon': longitude
4. **route_details:** The route details table contains information for 2352 different routes followed by the trucks
 - 4.1. 'route_id': the unique identifier of the routes
 - 4.2. 'origin_city_id': the city identification number for the origin city
 - 4.3. 'destination_city_id': the city identification number for the destination
 - 4.4. 'distance(Miles)': the distance between the origin and destination cities in miles

- 4.5. 'average_hours': average time needed to travel from the origin to the destination in hours
5. **truck_schedule_data:** The truck schedule data contains historical information of the trucks scheduled in the period of two years 2017-01-01 to 2018-12-31 and if arrival was delayed. It contains 566110 rows
 - 5.1. 'truck_id': the unique identifier of the truck
 - 5.2. 'route_id': the unique identifier of the route
 - 5.3. 'departure_date': departure DateTime of the truck
 - 5.4. 'estimated_arrival': estimated arrival DateTime of the truck
 - 5.5. 'delay': binary variable if the truck's arrival was delayed, 0 for on-time arrival and 1 for delayed arrival
6. **traffic_data:** The traffic data table contains information for traffic on all the routes for the period of two months 2017-01-01 to 2018-12-31, on an hourly basis. It contains 42020352 rows.
 - 6.1. 'route_id': the identification number of the route
 - 6.2. 'date': date of the traffic observation
 - 6.3. 'hour': the hour of the observation as a number in 24-hour format
 - 6.4. 'no_of_vehicles': the number of vehicles observed on the route
 - 6.5. 'accident': binary variable to denote if an accident was observed
7. **weather_data:** The weather precipitation data contains historical information of the weather precipitation conditions for the period of two months 2017-01-01 to 2018-12-31 on an hourly basis. It contains 875428 observations.
 - 7.1. 'city_id': the unique identifier of the city
 - 7.2. 'date': date of the observation
 - 7.3. 'hour': the hour of the observation as a number in 24hour format
 - 7.4. 'precip': precipitation in inches
 - 7.5. 'chanceofrain': chances of rain
 - 7.6. 'chanceoffog': chances of fog
 - 7.7. 'chanceofsnow': chances of snow
 - 7.8. 'chanceofthunder': chances of thunder
 - 7.9. 'temp(°F)': temperature in Fahrenheit

- 7.10. 'wind_speed': wind speed in miles per hour
- 7.11. 'description': description of the weather conditions such as Clear, Cloudy, etc
- 7.12. 'humidity': humidity observed
- 7.13. 'visibility': visibility observed in miles per hour
- 7.14. 'pressure': pressure observed in millibar