

- The whole process first use code **Output-Reader.py** to extract all the required information from 10 G+ data files as output from RTC, a commercialized simulation for rail traffic operation. The extracted information was delay.csv
- **Index-Delay-Calculator.py** used the delay.csv and other 3 inputs “27Scenarios-Departure.csv”, “27Scenarios-Traffic.csv”, and “base_schedule.csv”, to generate an input for the **Quantile-Regression-Analysis.py**. “27Scenarios-Departure”, “27Scenarios-Traffic” are related to the parameters of experiment scenarios simulated by RTC, base_schedule is the input format used by the **Index-Delay-Calculator.py**
- **Quantile-Regression-Analysis.py** constructed a regression model based on the input generated by **Index-Delay-Calculator.py**, it can be used to predict the delay distribution of shipments

