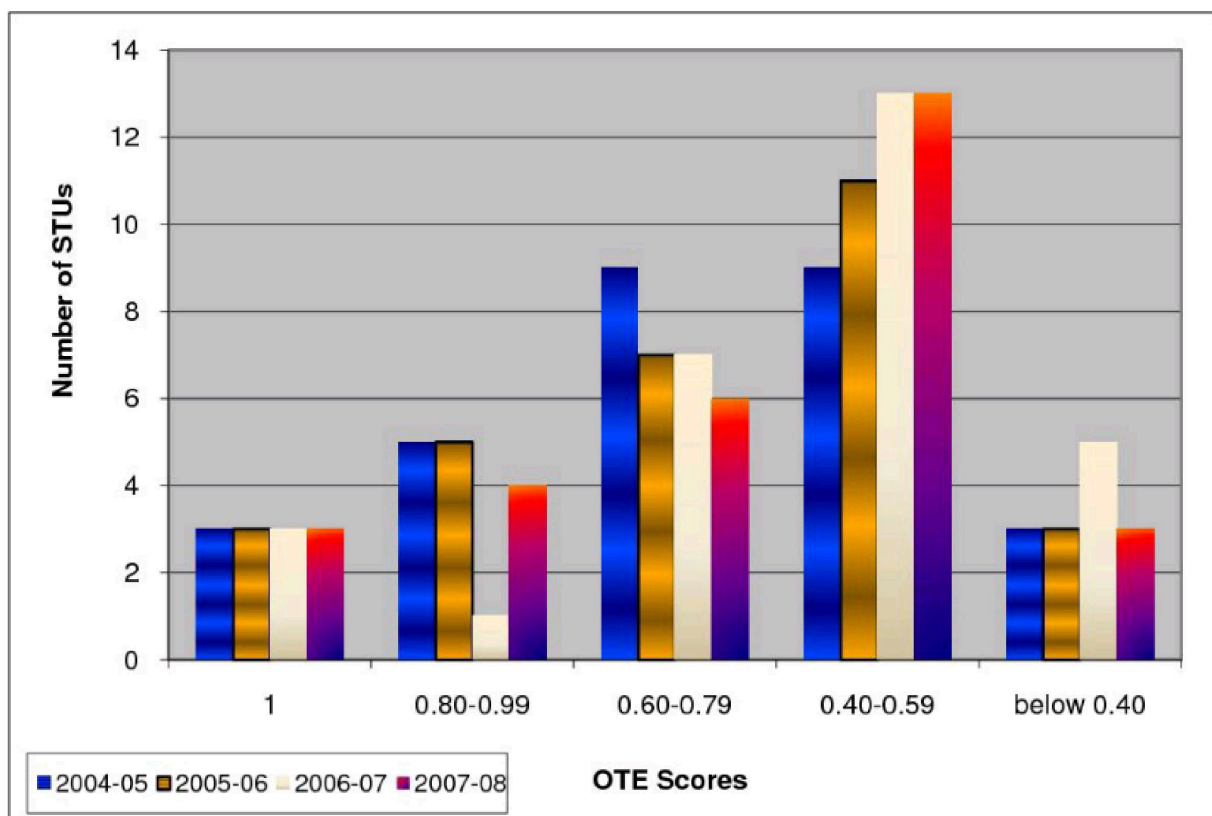


## PUBLIC TRANSPORTATION EFFICIENCY

The efficiency of transport systems is determined by a data envelopment analysis – DEA

### Measuring the efficiency of public transportation efficiency



## Steps to create a public transportation efficiency analysis project,

### **1. Identify your goals and objectives.**

What do you want to achieve with your analysis? Are you trying to identify areas where the system can be improved? Or are you trying to measure the impact of a specific change to the system? Once you know your goals, you can tailor your analysis to answer the specific questions you have.

### **2. Gather data.**

The type of data you need will depend on the specific goals of your analysis. However, some common data sources include:

- Public transportation schedules and ridership data
- GPS data from buses and trains
- Customer surveys
- Census data

### **3. Clean and prepare your data**

. Once you have gathered your data, you need to clean it and prepare it for analysis. This may involve removing

errors, formatting the data correctly, and merging different datasets together.

#### 4. Choose an analysis method

. There are a variety of statistical and machine learning methods that can be used to analyze public transportation data. The best method for you will depend on the specific questions you are trying to answer and the data you have available.

#### 5. Conduct your analysis.

Once you have chosen an analysis method, you can use it to analyze your data and identify patterns and trends.

#### 6. Interpret your results

. Once you have completed your analysis, you need to interpret the results and identify what they mean for your goals and objectives.

#### 7. Communicate your findings

. The final step is to communicate your findings to stakeholders in a clear and concise way. This may involve writing a report, creating a presentation, or developing a data visualization.