The University of New Haven - Port Authority of New York and NJ Data Analytics Project

Project 1: The Port Authority Bus terminal Passenger Predictions

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| The Port Authority of New York and New Jersey | Mass Transit | University of New Haven • Welcome to College |

**PROJECT POINT-OF-CONTACT**

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**PROJECT DESCRIPTION**

Here at The Port Authority, we pride ourselves in trying to keep the region moving through our facilities. Over the past few years and especially after Covid we have been implementing efforts to help detail overall health and areas for improvement within our facilities. Some efforts take priority and with that we may not always be able to do robust analysis on all our data since keeping everything in good repair takes priority and that’s where we could use some help.

**Project Goals**

1. Project the number of passengers for the bus terminal from 2025 to 2030. Port Authority will be building temporary staging facilities and we need to know the number of people who will be using these facilities.

2. What are the most important factors in predicting the number of passengers for the bus terminal?

3. Project the prediction results by individual carrier.

4. What would be the busiest times for the bus terminal staging facilities (bridges) between 2025 and 2030? Visualize by week, month, and year. [Traffic with weather]

5. How our current usage compares to 2019 which is the last year before covid?