Niner Transit System Optimization

## Team 14:

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## Project Description

**Problem:**

The UNC Charlotte Niner Transit System isn’t as optimized as it could be. With extensive data ranging from 2018-2020, we hope to explore the different bus lines, the amount of buses that run at different times, and the number of passengers boarding and getting off the bus at different intervals in order to optimize the Niner Transit System.

**Proposed Software System:**

Our software system will visualize, clean, train, and model data. The goal of our system is to visualize the data in different ways to learn more about the NIner Transit System and potential areas of improvement. Our software system will also include cleaning, training, and modeling data to better present potential solutions and optimizations.

**Stakeholders:**

All of the below stakeholders would benefit from the optimization of the Niner Transit System in one way or another.

* Charlotte Students - Students are the primary users of the Niner Transit System.
* Charlotte Faculty/Staff - Faculty/Staff also use the Niner Transit System.
* Bus Drivers- The staff behind the Niner Transit System.