

## **Our project focuses on implementing neural networks to predict passenger flow on the network**

Our project focuses on implementing neural networks to predict passenger flow on the network, line and stop levels. This will be available for short, middle and long terms. A dynamic decision support system will be developed to help our network planners making best networks more resilient when disruptions happen.

Disruptions like extreme weather conditions, incidents and events. Our objective is to provide a more reliable bus service for passengers when disruptions happen. By applying data-driven techniques, we intend to use passenger prediction to manage disruptions as effective as possible. As a result we can offer the best possible service for our passengers.

Within the group neural networks have never been used before and prediction has never been this accurate. A good insight into future passenger flow is handy for network planning communication marketing and revenue forecasts.

This innovation is highly replicable with the right data, limited external research and some tricks.

It could be deployed throughout the keyless network and be used for many different purposes. We believe that passenger prediction is essential to the group it enhance the short-term and long-term network planning align supply and demand and enrich passenger information you are interested to know more about the project you can read on the link below