

Special thanks to our project sponsors Al-Ahad Ekram, Valerie Harris and Sidney Quach, and our project advisors Patty Buchanan and Michelle Song

King County METRO



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IMPACT METRICS

42% of KCM customers say traveling by bus takes too long

25% say traveling by bus does not offer enough flexibility for their schedule

~50% ridership drop due to COVID, yet to be fully recovered







TAKEAWAYS

Changes Pre-COVID -> Now Data sources often lack complete coverage of routes, making their reliability and granularity inadequate.

Better Ongoing Documentation

To ensure current and future production implementation success, documenting assumptions and reasoning is crucial due to evolving data sources.

IEXT STEPS

Model Iteration

Leverage the insights from the previous capstone (clustering) and this project's approach to enhance the development of an improved predictive model



Deploy to Production Integrate the model architecture with KCM's live prediction system.

