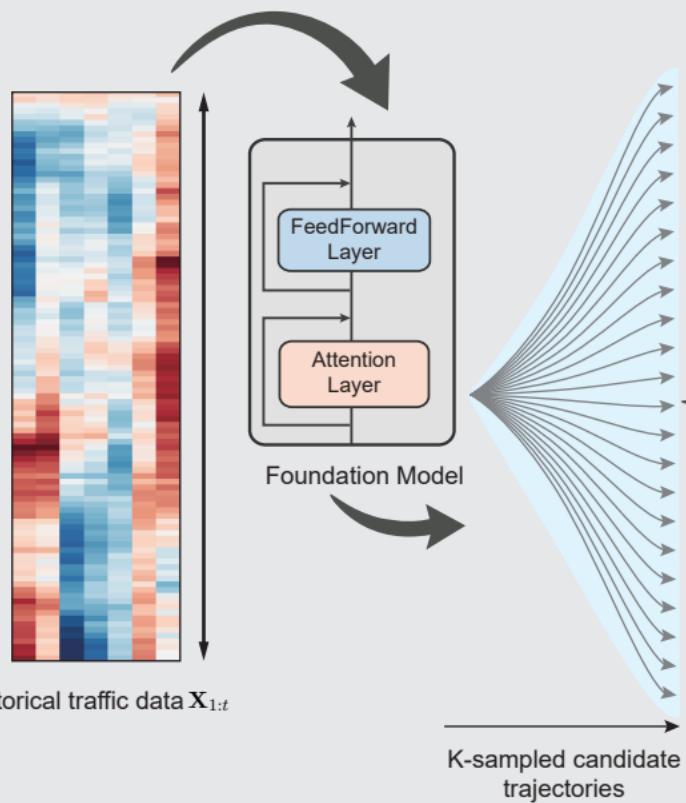
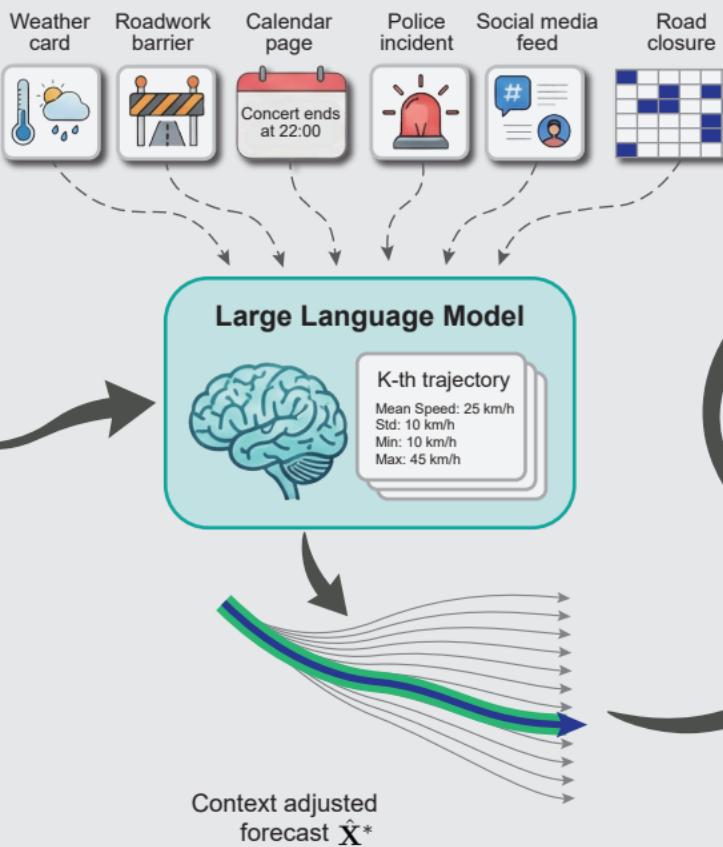


SemCast: Adaptive and Explainable Traffic Forecasting Framework

Stage 1 - Foundational Probabilistic Forecasting



Stage 2 - LLM-Enhanced Contextual Adjustment



Stage 3 - LLM-Powered Reporting & Decision Support

Readable Summary Report

Traffic is expected to be significantly heavier than usual due to the concluding large-scale concert event and ongoing road works.

Congestion is predicted to peak around 22:30, with average speeds potentially dropping below 30 km/h on major arteries.

Commuters are advised to anticipate delays of approximately 20-30 minutes.

Actionable Recommendations

Deploy adaptive signal control to manage concert outflow.

Activate dynamic route diversion for non-event traffic.

VMS: "CONCERT TRAFFIC AHEAD - EXPECT DELAYS"

Push notifications for alternative transport options.