

# Traffic Prediction – Selected Results

## 1 KNN validation

This task corresponds to Appendix K. The KNN algorithm was validated by testing different values of  $K$  (1–20) and evaluating performance using RMSE and MAPE for three prediction horizons (17:00–17:15, 17:15–17:30, 17:30–17:45).

The results indicate that  $K = 1$  generally provides the most accurate predictions across all horizons, except for RMSE in the last horizon where  $K = 3$  performs better.

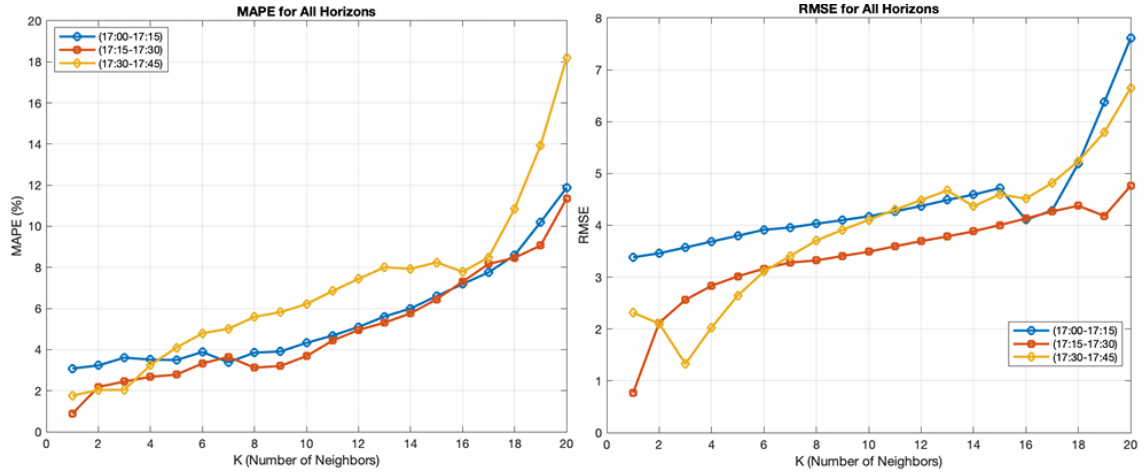


Figure 1: Validation of KNN using RMSE and MAPE for different values of  $K$ .