

Mobility Prediction with Graph Neural Networks

Abstract

We propose a GNN-based model for mobility prediction using GPS trajectory data. Our method improves spatial-temporal prediction accuracy on benchmark datasets.

1. Introduction

Human mobility prediction is important for urban planning.

2. Method

We use Graph Neural Network and GRU encoders.

3. Experiment

We evaluate on GPS trajectory data with MAE and RMSE metrics.

4. Conclusion

The proposed model improves accuracy but does not explicitly consider event information. Future work should integrate event-aware signals.