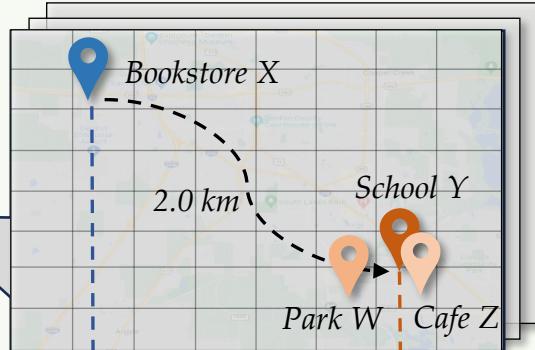


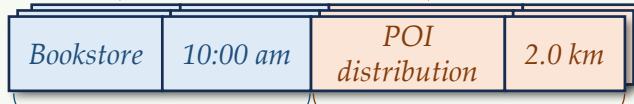
City A

Trip dataset



Step ① OD training dataset collection

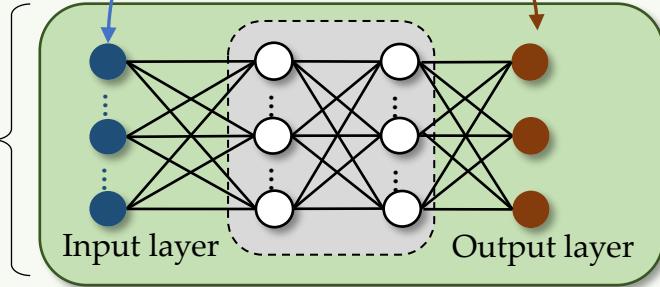
Training samples



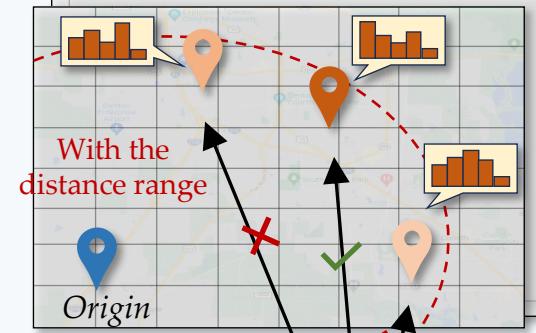
Input (Origin) **Output (Destination)**

Step ② Instruction fine-tuning of LLMs

LLM model

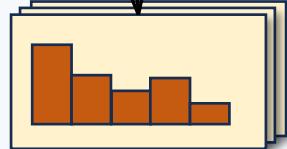


City B



Step ④ Destination cell matching

Destination POI distribution



Step ③ Origin POI Creation & Destination POI prediction

Outputs

Fine-tuned LLM

Inputs

Origin POIs, time stamps