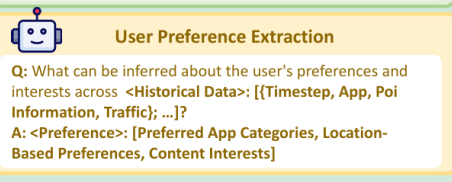
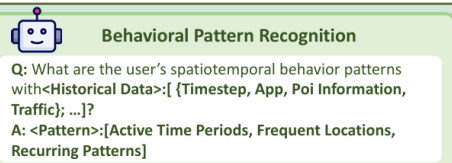
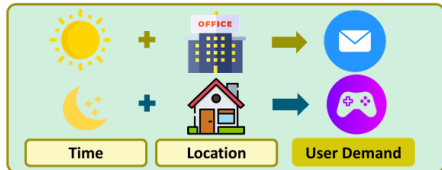


Input

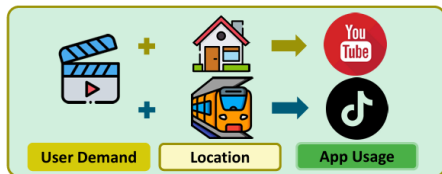


Stage I:
Mobile
Application
Usage Data
Augmentation

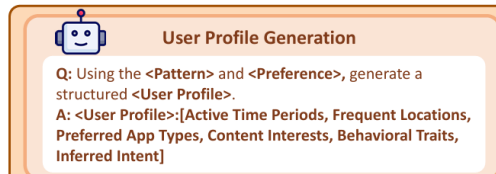
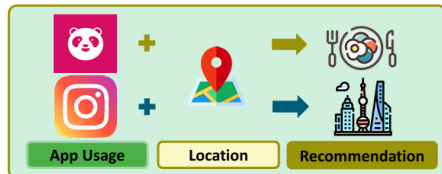
Context-Aware
User Demand
Formation



Location-
Conditioned App
Usage



App-Driven
Contextual
Recommendation



Mobile Usage Profiling and Fine-Tuning



Stage II:
Semantic User
Profiling and
Data Synthesis