A system to generate mobile data based on real user behavior.

Summary: Mobile data generated by a mobile phone in a GSM network can indirectly reflect the change of a user’s positions. However, it is difficult to get these data due to the privacy issue. The generation of simulated mobile data provides an alternate method to solve the problem. This paper designs a system called a generation system of mobile data based on real user behavior. This system can simulate the communication events to generate mobile data and extract the trajectory points of users’ past activities with some appropriate semantic annotations.