

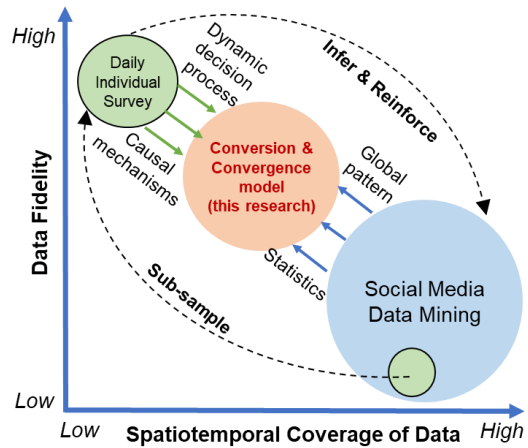


Fig.1 Convergence for mobility prediction

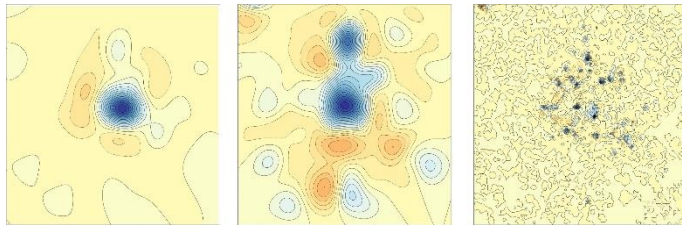


Fig.2 Mobility pattern in 24 hours. (A) regular; (B) hurricane; (C) public health event. Fundamental mobility pattern remained similar after hurricane but completely changed in public health events.



Fig.4 Smart APP for survey & automated GPS collection

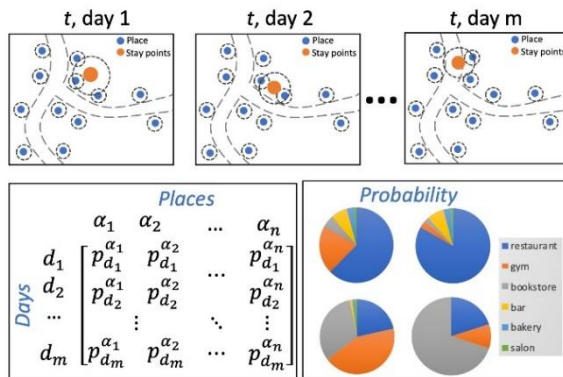


Fig.3 Mobility prediction outcome: possibility of visiting urban establishments on a daily basis