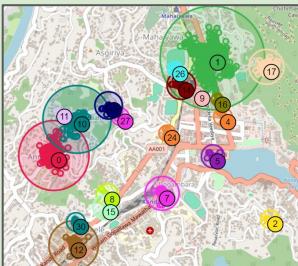
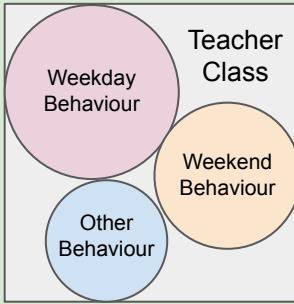
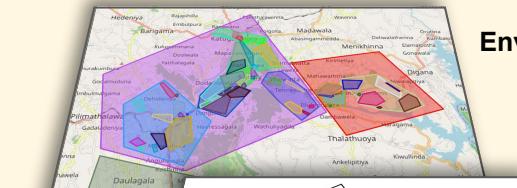


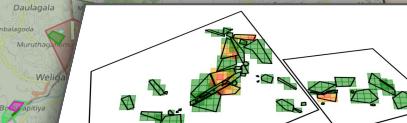
Mobility Patterns Clustering**Behavioural Patterns Clustering****Probability Matrix Generation
(Bimodality)**

- Visit location probability
- Stay duration probability

**Environment**

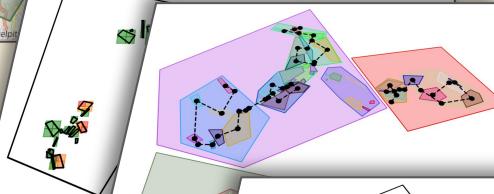
(c)

Vector Patches
(Only for vector-borne diseases)



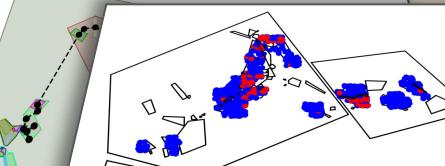
(d)

Transportation
(Only for air-borne
diseases)

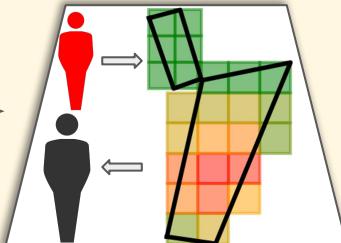


(e)

Agents Movements



(f)



Vector-borne disease transmission
human-to-vector-patch and
vector-patch-to-human



Air-borne disease transmission
Based on human contacts