

RUI: Incentive Mechanism for Mobile Crowdsensing, reaching spatial and temporal coverage under budget constrains

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## **Challenge**:

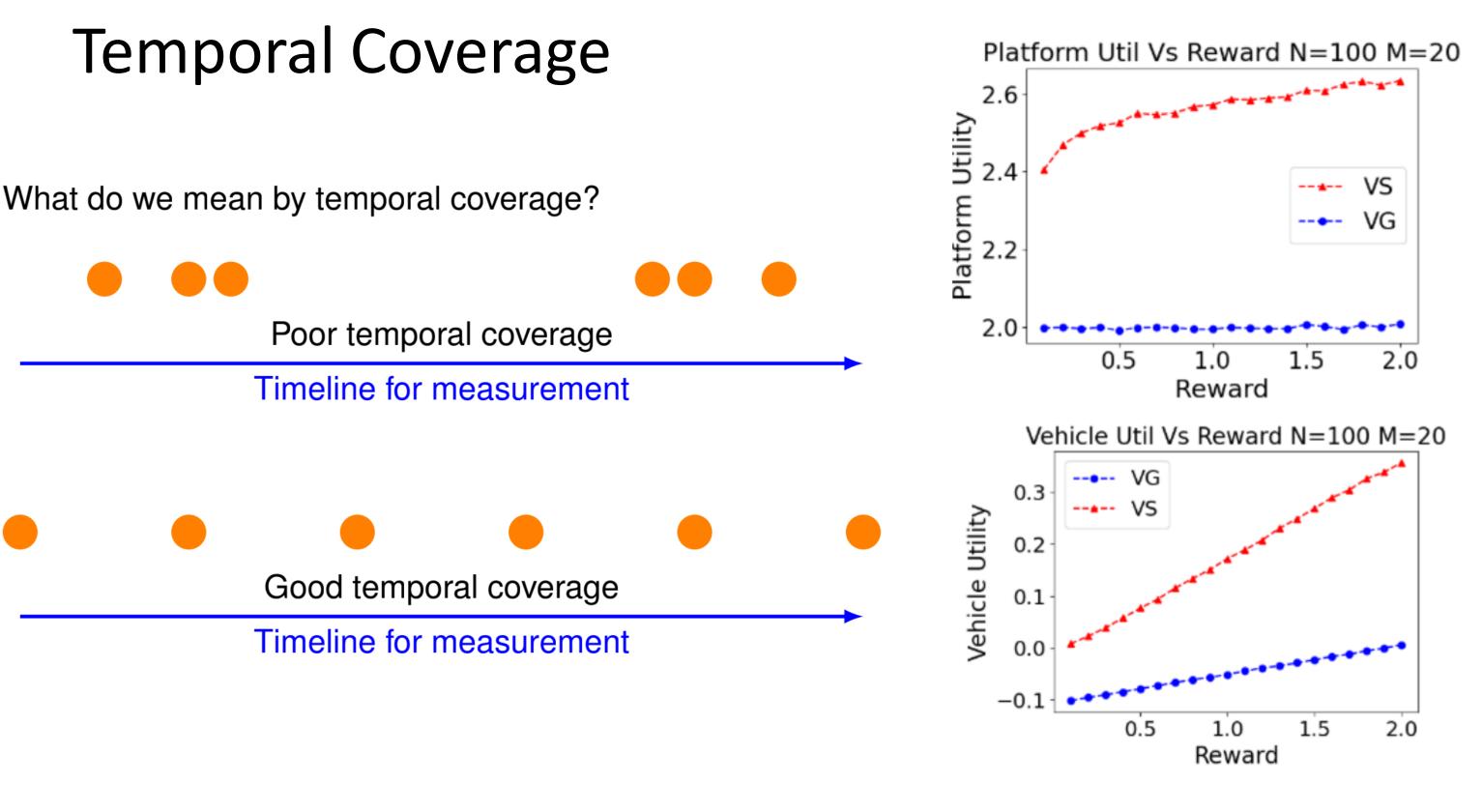
Cities wants to obtain sensor measurements at selected places.

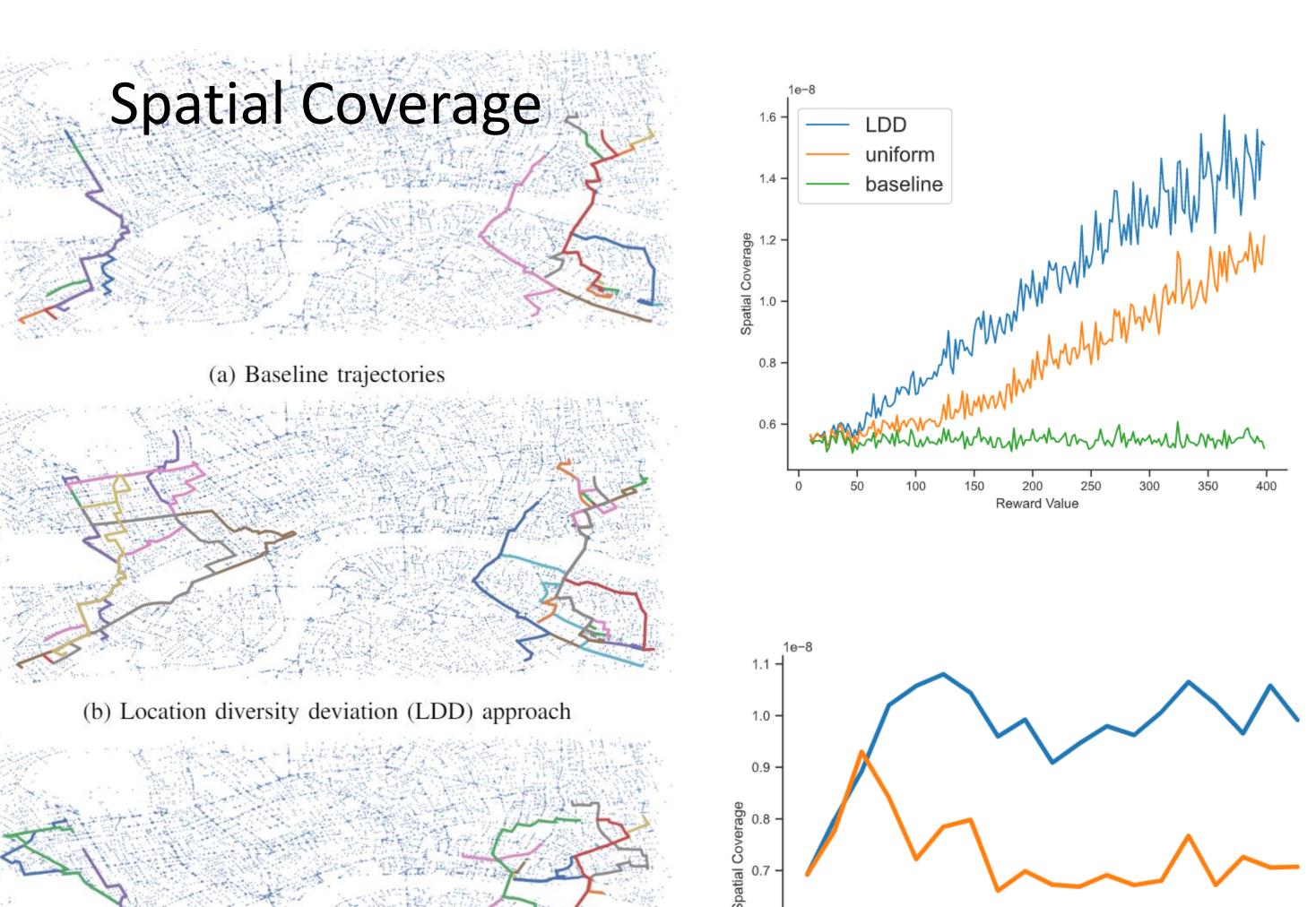
Communities want to monetize their AVs by collecting sensing data

Cities wants high quality data: spatial coverage, and temporal coverage

## Solution:

- •Development of game theoretical- based approaches for vehicular crowdsensing.
- Reaching Spatial and Temporal coverage





## Scientific Impact:

•Researchers will find a simulation platform which allow them experiment with vehicular crowdsensing. They will have available pre-made modules with different utility function to maximize temporal and spatial coverage.

## Broader Impact:

•Provide guidelines for the creation of crowdsensing data markets in which smart cities outsource the monitoring and environmental data collection to communities (AVs owners) while optimize road networks and keep a clear a safe environment.



Website: https://sites.google.com/view/avcrowdsensing