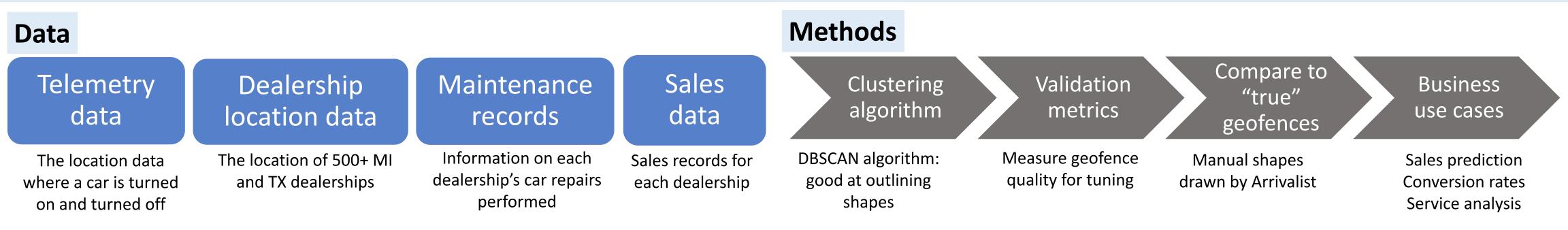
General Motors: Understanding US Dealership Visitation through **Automated Geofence Creation**

MIT Students: Kiran Gite, Pei-Pei Kuo General Motors Mentors: Aaron Wolf, Derek Hazard MIT Advisor: Professor Alexandre Jacquillat

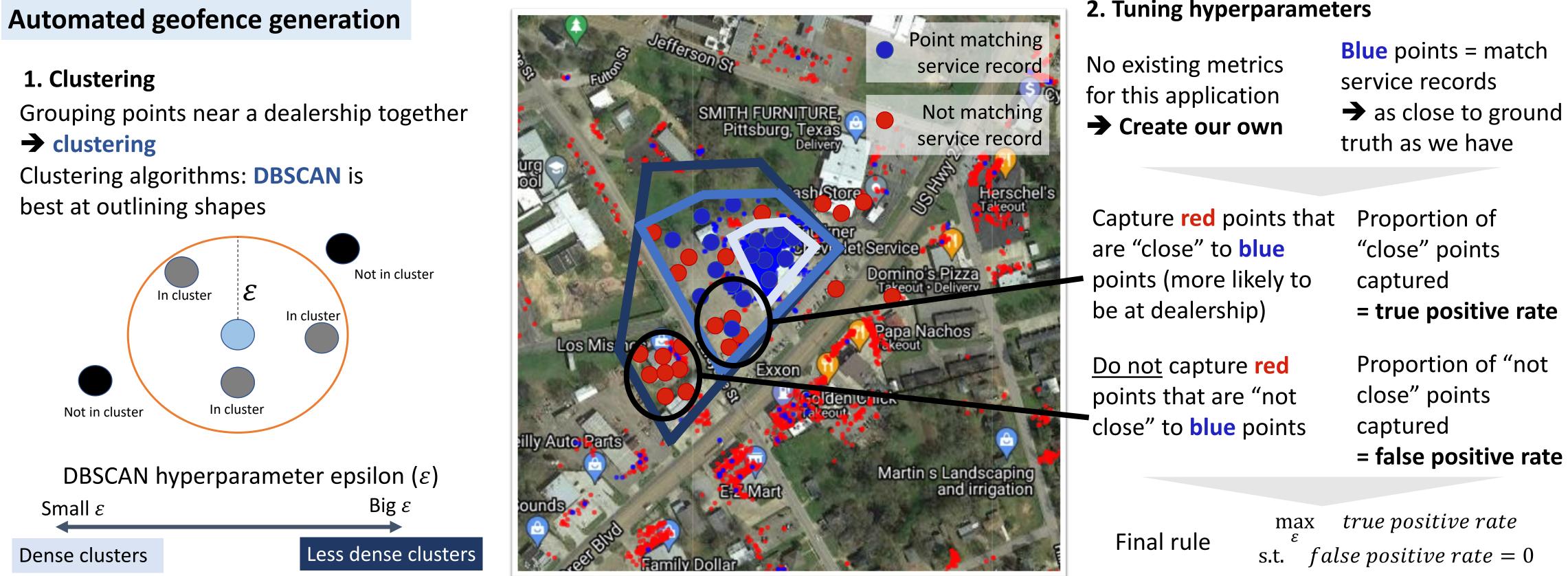
Objective: To develop automated methods for creating geofences for GM dealerships and apply the geofences to visitation-related business use cases



Grouping points near a dealership together

Clustering algorithms: **DBSCAN** is best at outlining shapes

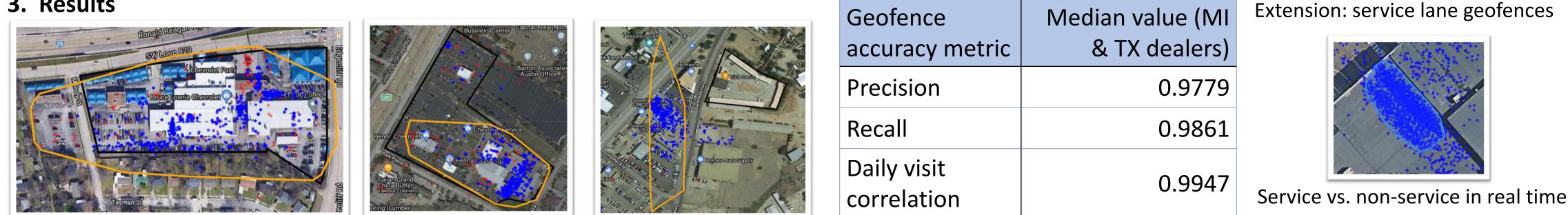
Not in cluster



2. Tuning hyperparameters

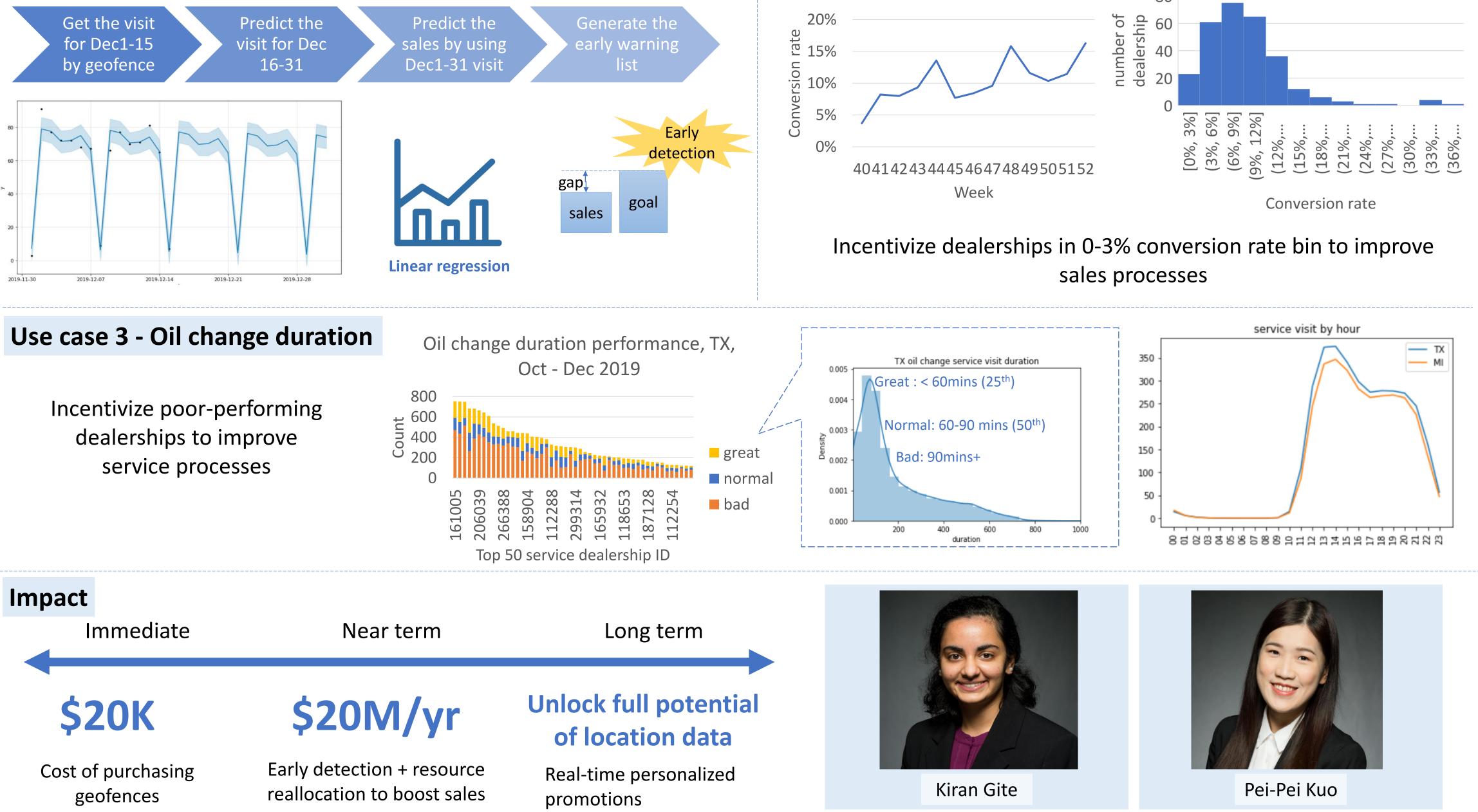


3. Results



Use case 1 – Sales prediction

Today: Dec 15



Use case 2: Conversion rate = sales/visits

