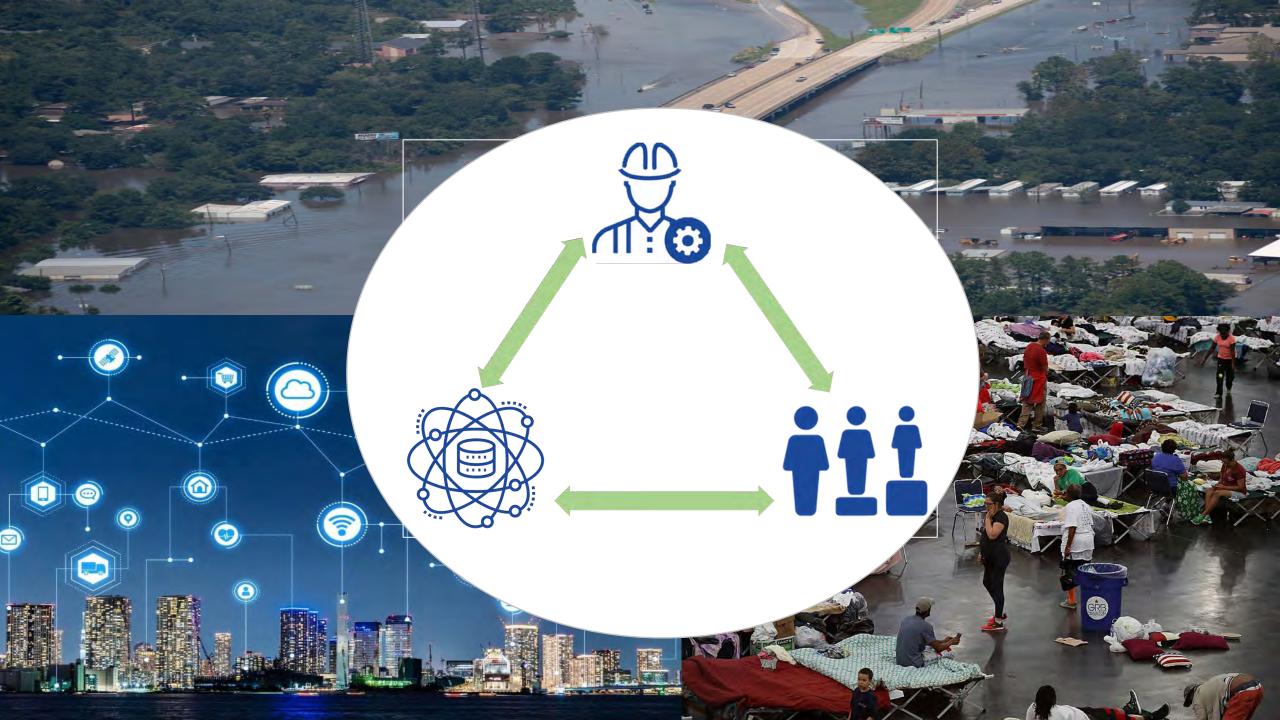


National Academies has acknowledged the "discrimination and biases inherent in infrastructure planning."







Human Mobility Data

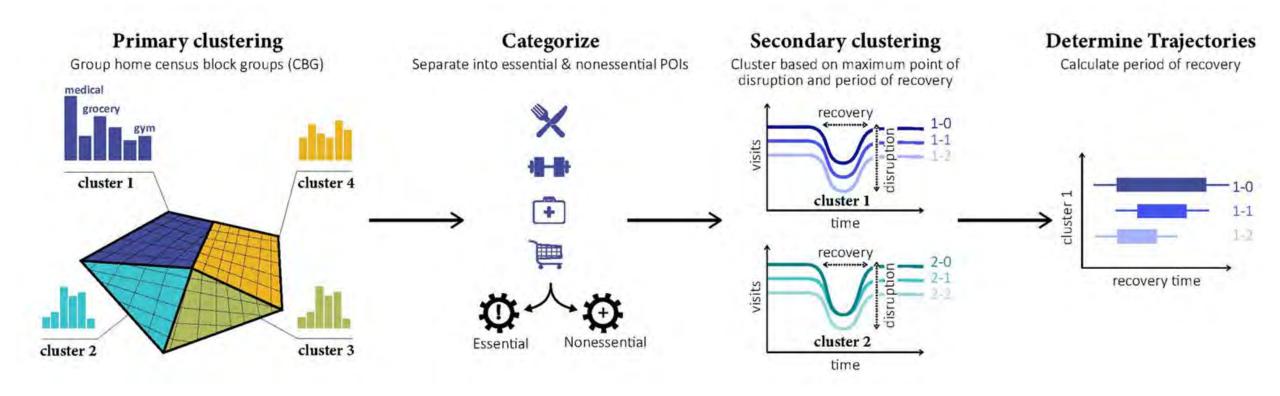
Data for Good Movement

Third-party apps of consented and anonymized location information

Platform-as-a-service (PaaS) that provides a secure and privacy-preserving environment







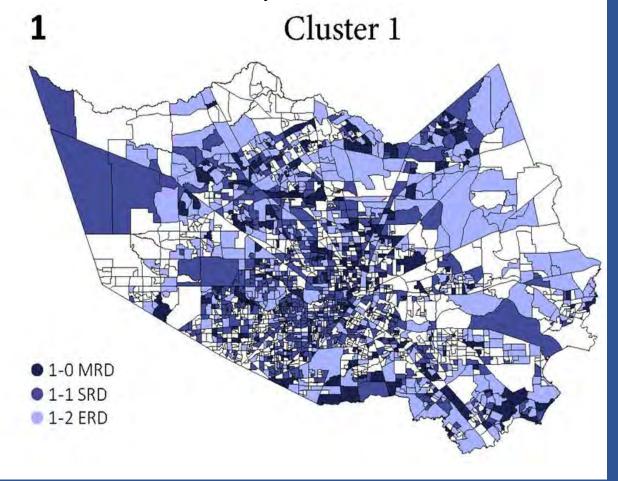
Methodology Framework

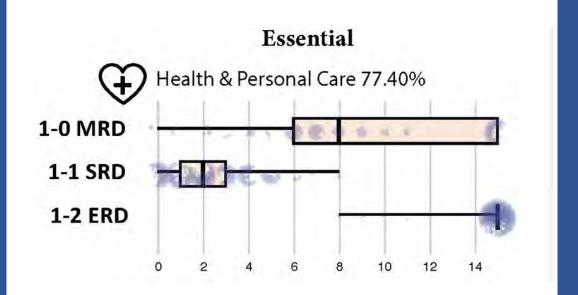
The test bed was Hurricane Harvey in Harris County, TX in 2017.

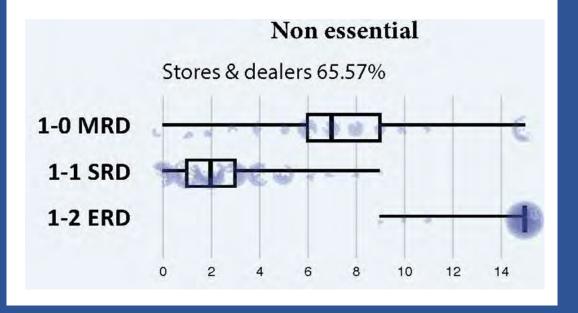
• SRD: short recovery duration

MRD: moderate recovery duration

ERD: extreme recovery duration

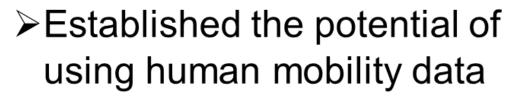






Contributions





Understand the relationship to essential and non-essential services



Recognize differential recovery rates of similar lifestyles based on equity



Impact of lifestyle extends beyond hazards

Challenge: What is the balance between representation and privacy?







Thank-you BAF!