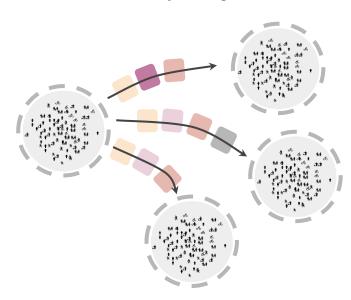
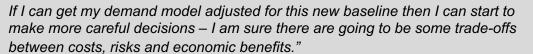
Pandemic Activity Modeller/Modifier (PAM) < Policy Design >



Example User Story:

"We've reduced transit services as best we can for our drivers and public safety. But we're unsure what impact this has had on people's travel behaviour.

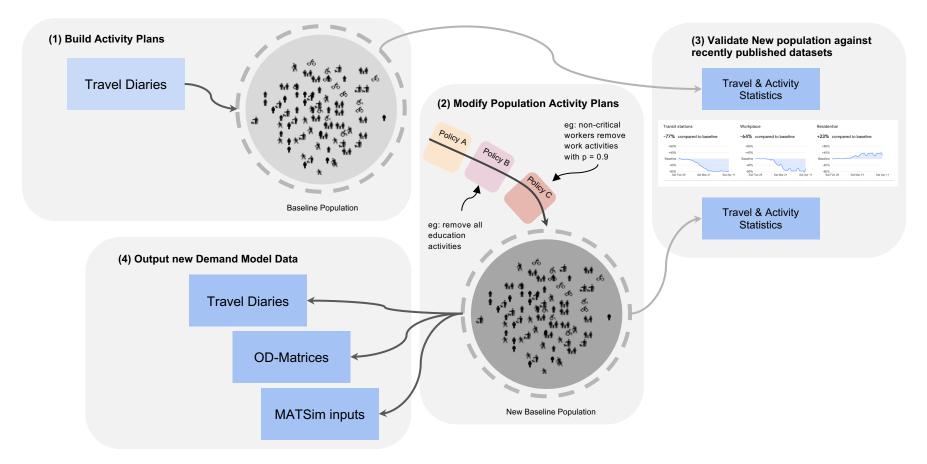
I want to consider closing/opening some stations to better serve the existing demand, but my existing demand model is out of date...



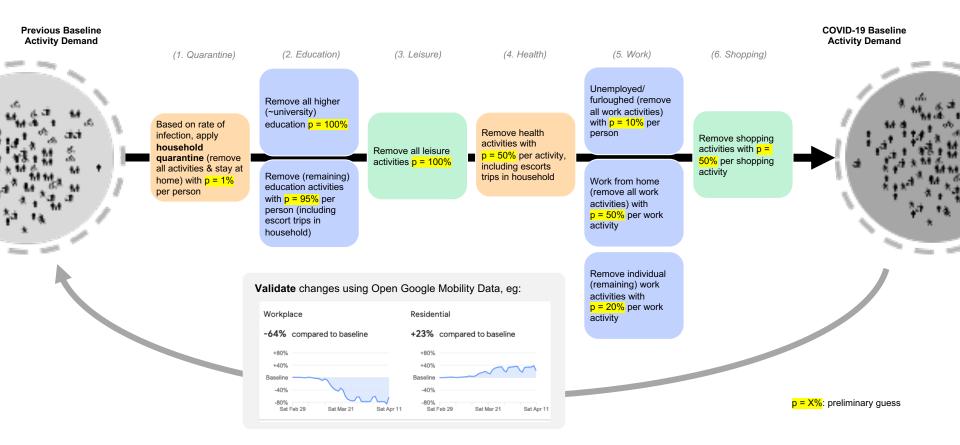
- Local Authority Transport Planner



Use-Case A: Building a new COVID-19 Baseline Activity Demand Model



Baseline 19 – preliminary policy proposals for building a new demand baseline:



Baseline 19 – more advanced policy proposals (2/2):

(2. Education) (3. Leisure) (4. Health) (5. Work) (Kev Workers and Households) (1. Quarantine) (6. Shopping) If not key worker, Apply household Remove all higher remove all work Sample and label individuals as key quarantine with p = If not vulnerable: (~university) Remove all leisure activities with p = 0.9, Remove shopping workers based on segmentation 0.01: Remove all remove health activities with p = 0.5education, based on activities Remove remaining {income/age/race/work activities and stay at activity with p = 0.5age and work status work activities with p status/occupation} home = 0.5Label key worker households, as those Optionally if not critical where all adults are critical workers differentiate between Reduce duration of household: then If key worker, Add health activities different types of extend work activities shopping activities by remove all education if not working household if 50% activities, including to full shift evidence ie escort education {critical/vulnerable} (Vulnerable Persons and Households)

Reduce shared

single household

member

shopping activities to

Label vulnerable households, as those containing a critical worker

Sample and label individuals as

{income/age/race/work

status/occupation}

vulnerable based on segmentation