

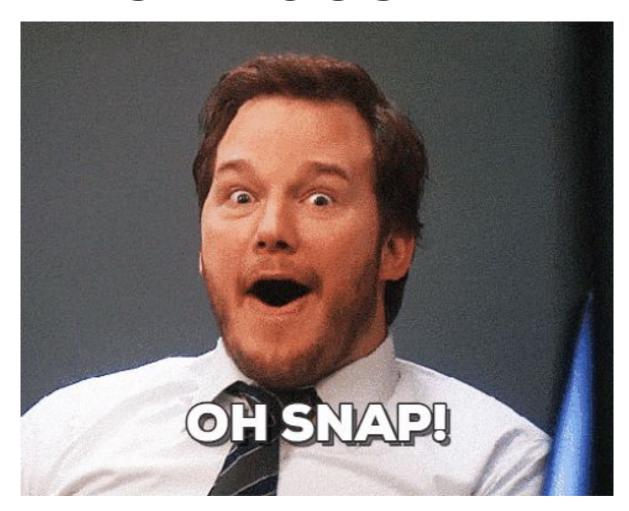




- To develop valuable insights, building confidence for decisions.
- The work may influence decisions worth billions or billions of small decisions
- Data Science projects require teams, not sole players.

Paco Nathan, Concurrent Inc. 2012

Few decisions worth Billions? SERIOUSLY?



WAKTU TEMPUH

2X PINDAH ANGKUTAN VS LANGSUNG





Dari Kemanggisan ke Gedung WTC

source: googlemaps

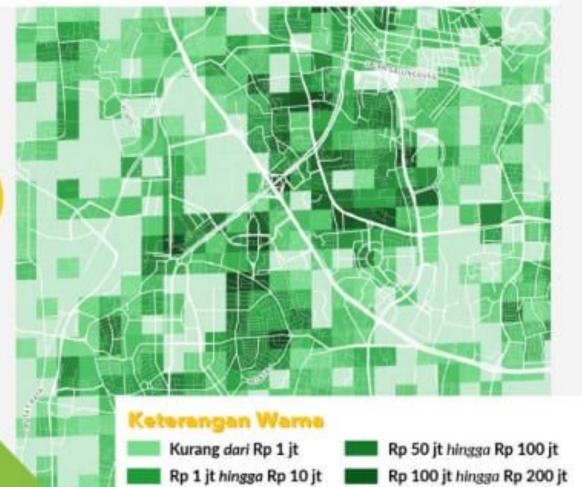


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15MENIT



Rp 10 jt hingga Rp 50 jt

Lebih dari Rp 200 jt

ORANG MEMPUNYAI

WAKTU LEBIH BANYAK

UNTUK DIHABISKAN BERSAMA DENGAN KELUARGA & SAHABAT

Dampak bagi mitra GO-JEK



900000 perjalanan/hari





What about billions decisions?



What about billions decisions?







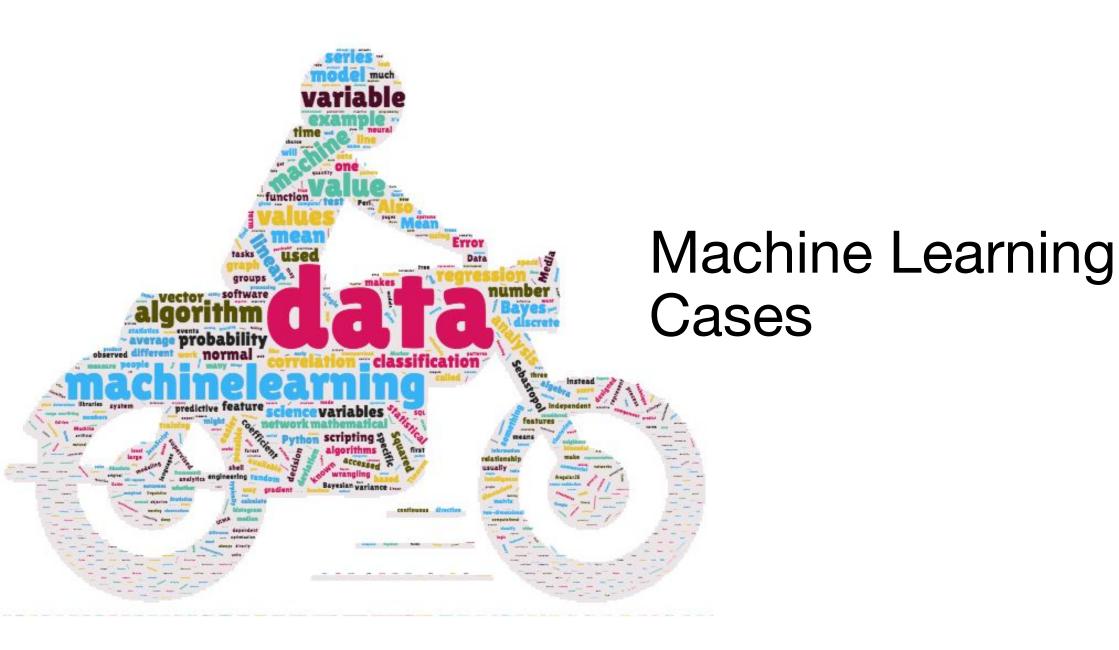






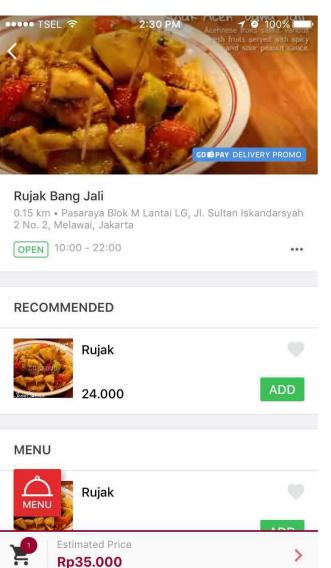


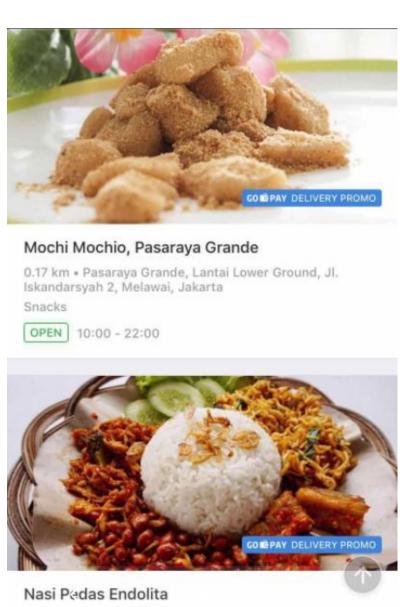






GO-FOOD has over 8M dishes without tags





The Goal:

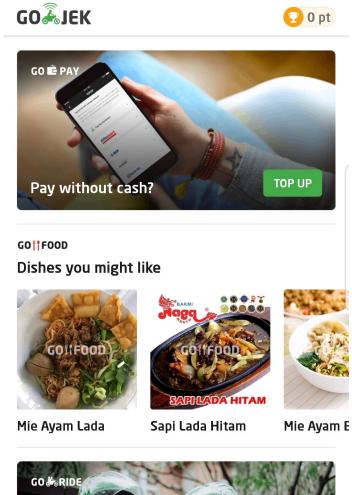
- Tag each dish
- Item level analysis
- Dish level recommendation feature

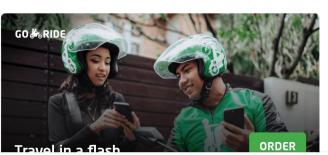
The Challenge:

- Each item may have multiple tags:
 e.g. Beverage, sweet, iced, coffee
- Manual labels are messy and duplicates exist: e.g. Dairy and Milk
- Some tags appear very few times



What dishes would customers like to eat?











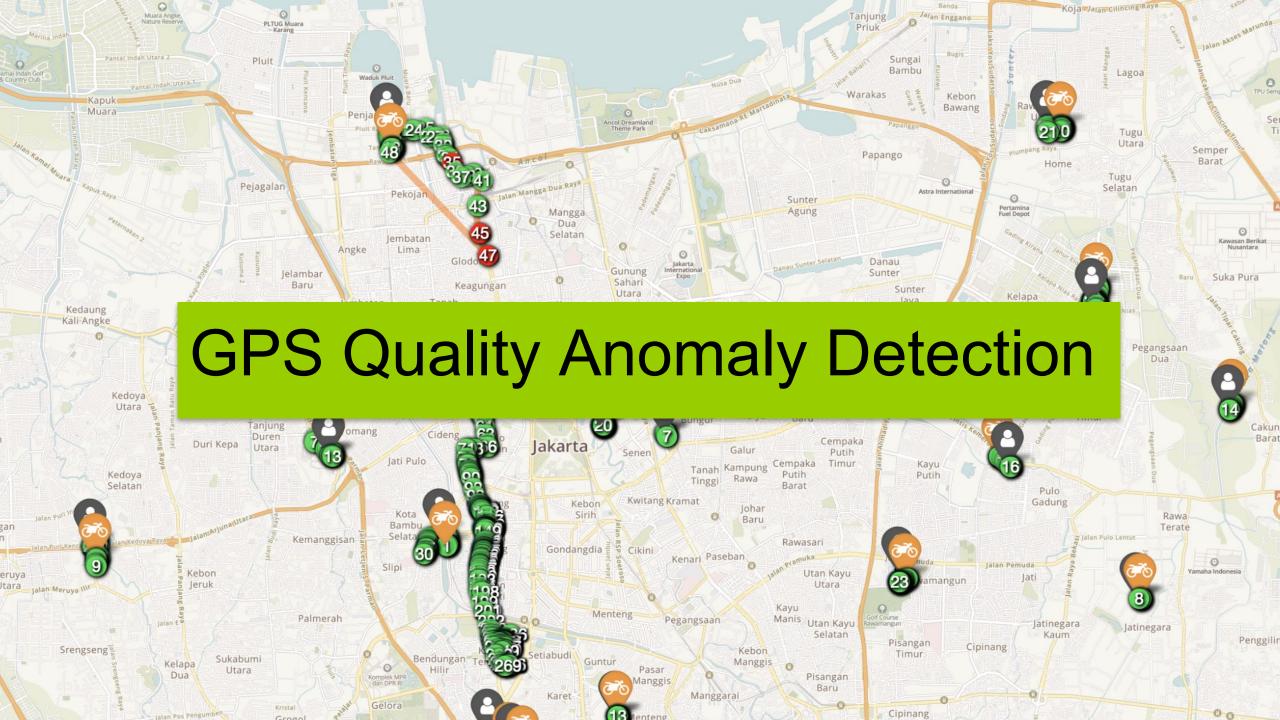


The Goal:

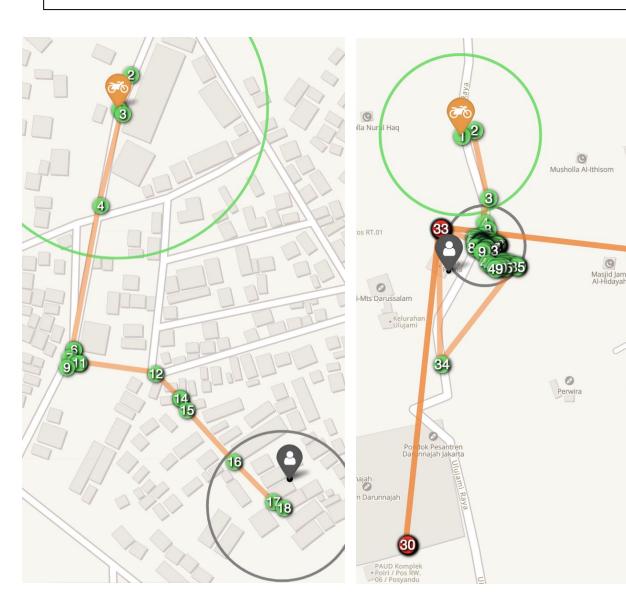
- Personalized dish level recommendation to users
- Increase discovery of new dishes based on past preferences

The Challenge:

- No rich and clean text data on dishes
- Thresholding to prevent same dishes from different merchants from being recommended



GPS is a core data requirement of GO-JEK



The Goal:

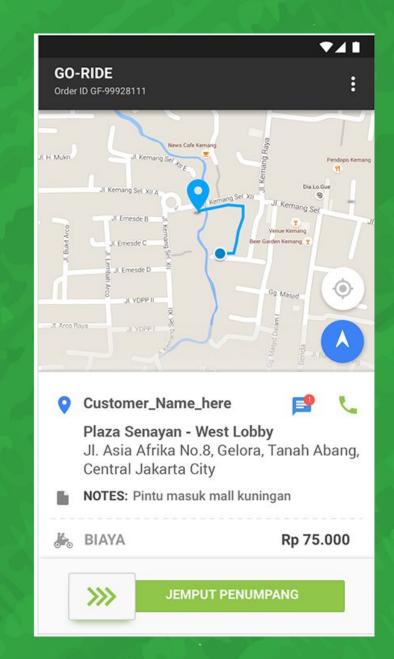
- Identify anomalous GPS points
- Correct anomalous GPS data
- Track anomalous GPS behaviour

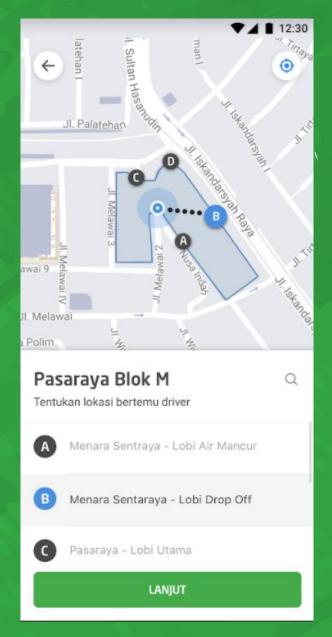
The Challenge:

- There are many reasons why GPS data may be inaccurate: buildings, bad devices, fraud
- Our systems require reasonably accurate GPS data to function optimally else user experience suffers
- GPS data is one of the biggest data we have so the models need to be fast and scalable



Intelligent Places of Interest









Questions? dipta@go-jek.com