Back-end work so far 3-29 (For front-end reference)

1. Built a model for estimating delivered time (by Mengke)

Done pretty much feature engineering work

Need to write an API

Accuracy about 0.47

Input needed: customer’s latitude/longitude, seller’s latitude/longitude (for distance)

Purchase month (purchase date)

Item’s weight and volume (product\_id ?)

Output: Estimated delivery period (1-3, 4-9, 10-15, 16-30, 30+)

2. Recommendation system building (by Xingyu and Xiaoyue)

Need to write an API

Filter option: Overall (default)

Price

No. of orders of products

Review rating

Input: Filter option

Category of current product

Output：Ordered list of product\_id by filter option

3. Delayed Plot/ Data (by Shangzhe)

API uploaded

Input needed: start/end date (Or nothing)

Output: delayed orders for each day/month

Ideal will be plot with Plotly

4. Order filter (by Shangzhe)

API uploaded

Input needed: start/end date, order status (delivered, canceled etc.)

Output: a list containing orders from one time to another

5. Delayed / Ongoing deliveries (LIVE data needed)

Will write immediately when LIVE data available

Input: nothing

Output: Numbers of ongoing deliveries and ongoing delays