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What is ETA?

Estimated time of arrival (ETA) is the time interval at which a certain vehicle will arrive its destination. It is a transportation term that defines the time remaining for certain aircraft, automobile, ship or emergency service to reach the place it is directed to.

ETA is the estimated time between a service demandand its delivery.



Where do you usually find terminology of ETA?

Navigation

e.g. Google Maps, Waze, etc.



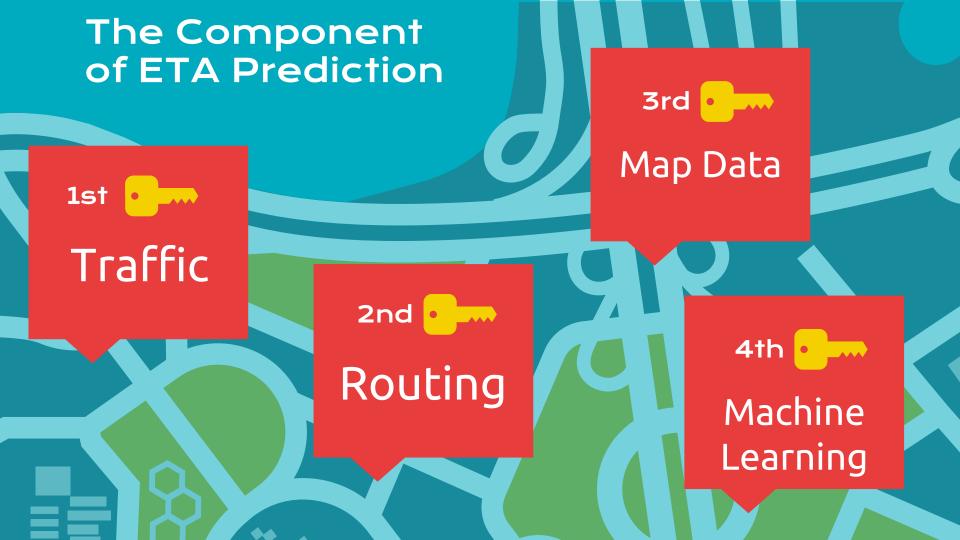
Expedition

e.g. SiCepat, JNT, TIKI, etc.

E-Hailing

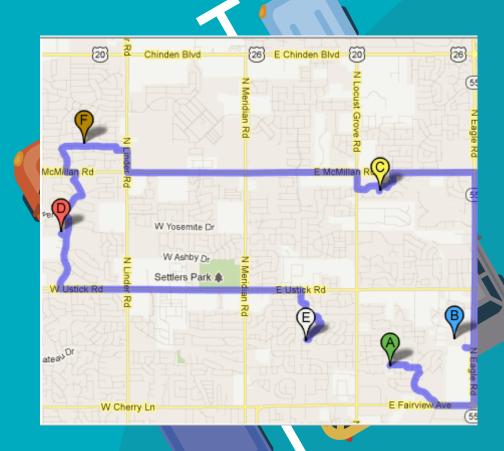
e.g. Gojek, Grab, Uber, etc.

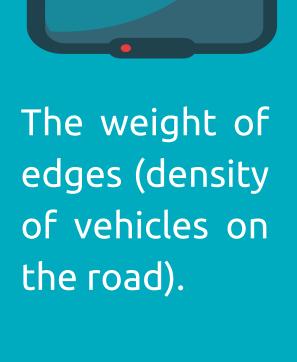




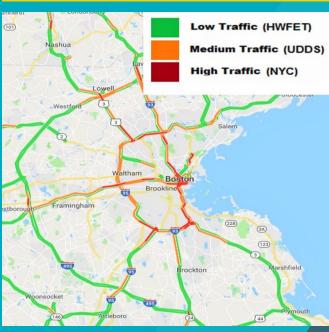
ROUTING

Select the edges with the least weight from one node to another. **Djikstra 's alghoritm** is an alghoritm for finding the shortest paths between nodes in a graph, which may present.





TRAFFIC





MACHINE LEARNING

Non Linear Linear

Method to build ETA prediction model for new input data.

Non-linear:

- ETA = f(location)
- -ETA = f(hour of day)

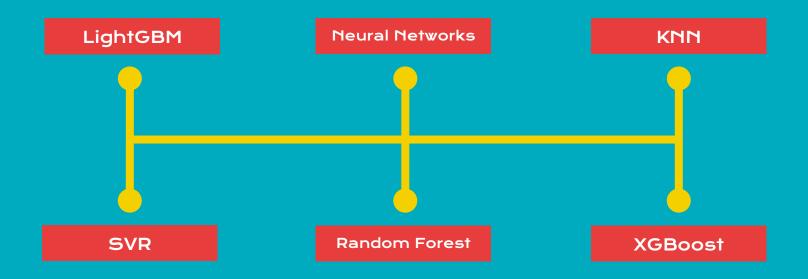
Non-parametric:

 No prior info on the interaction between different variables and ETA

ETA is reliable if

Predicted ETA = Actual ETA

Machine Learning Alghoritm



THANK YOU!