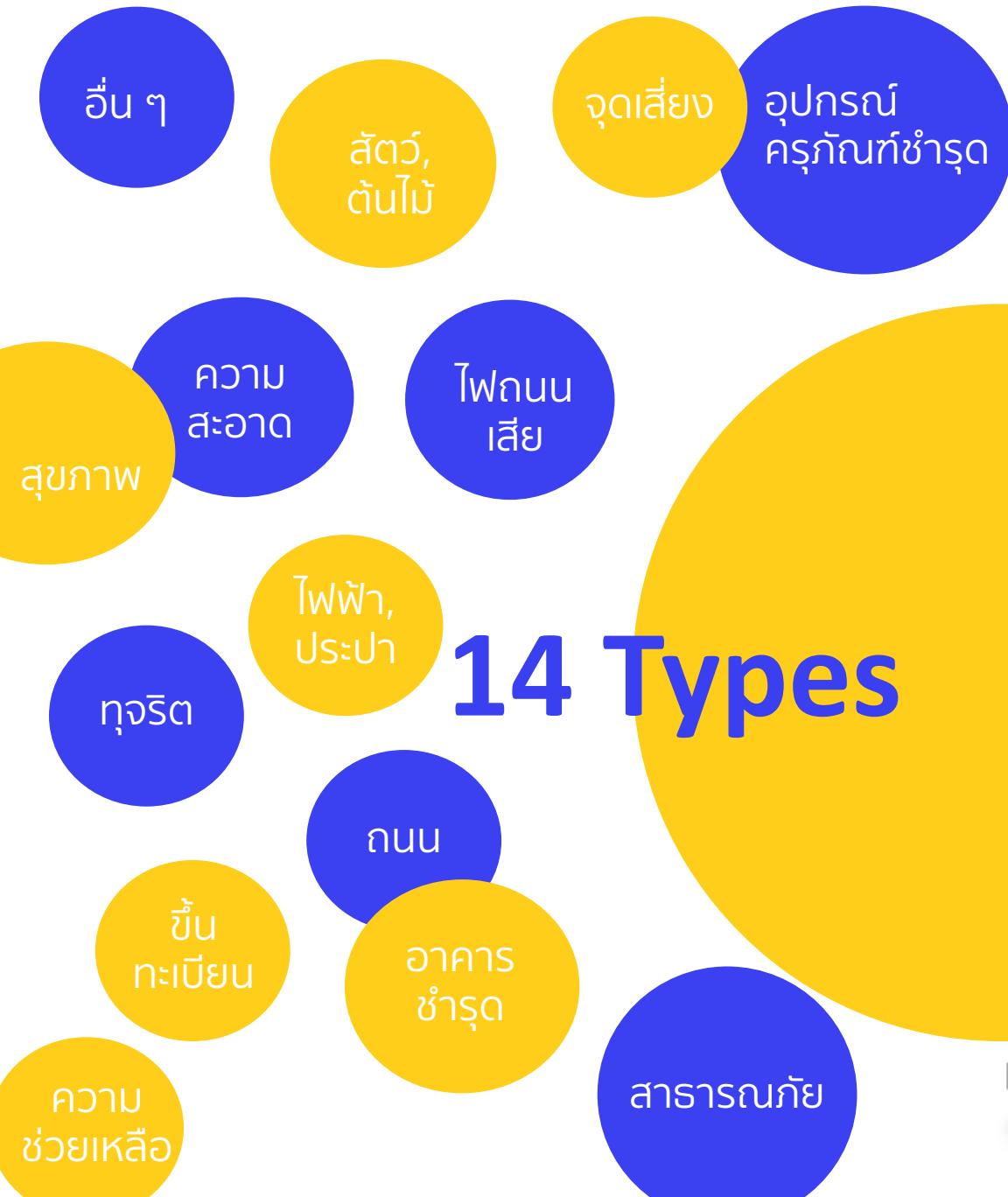


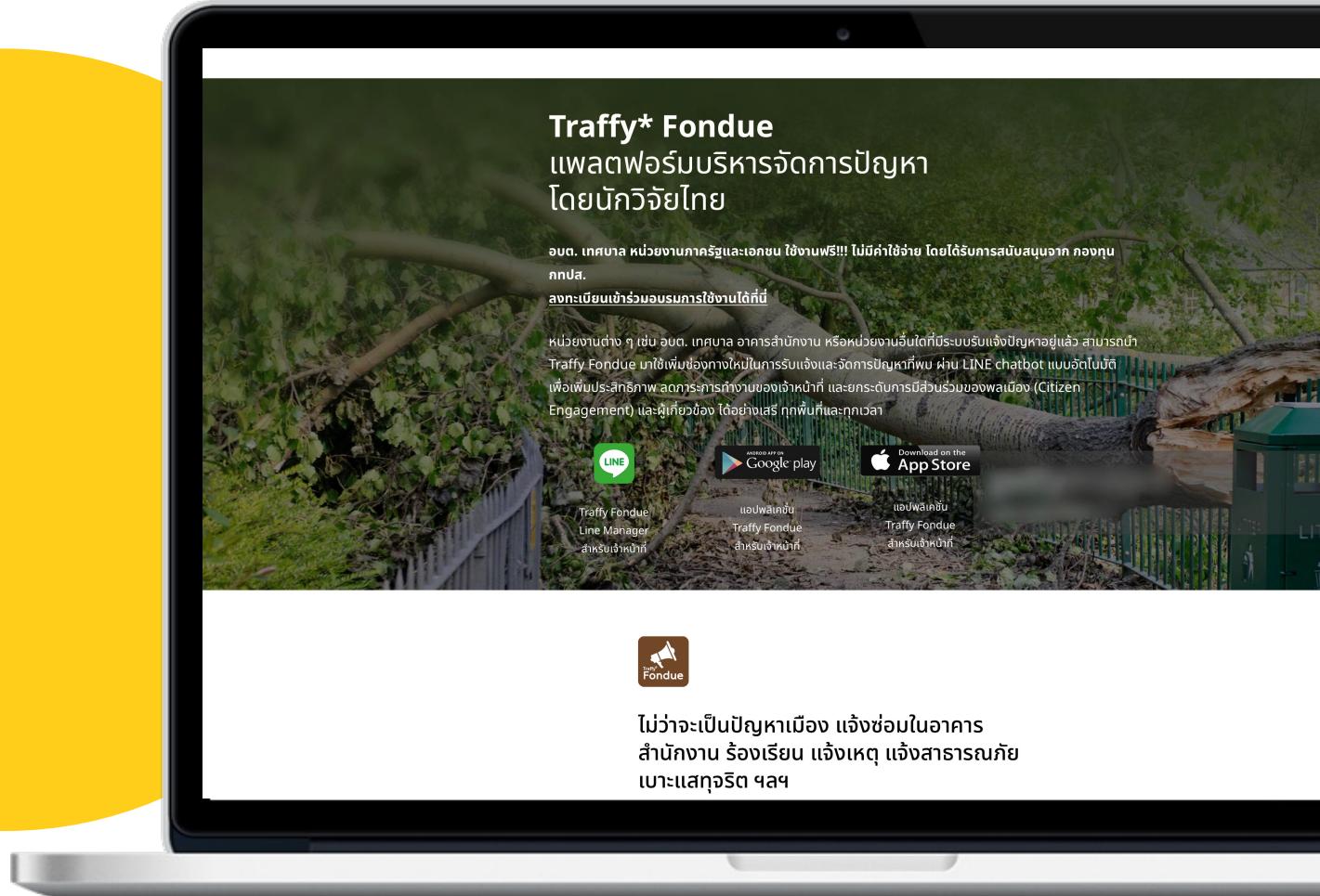


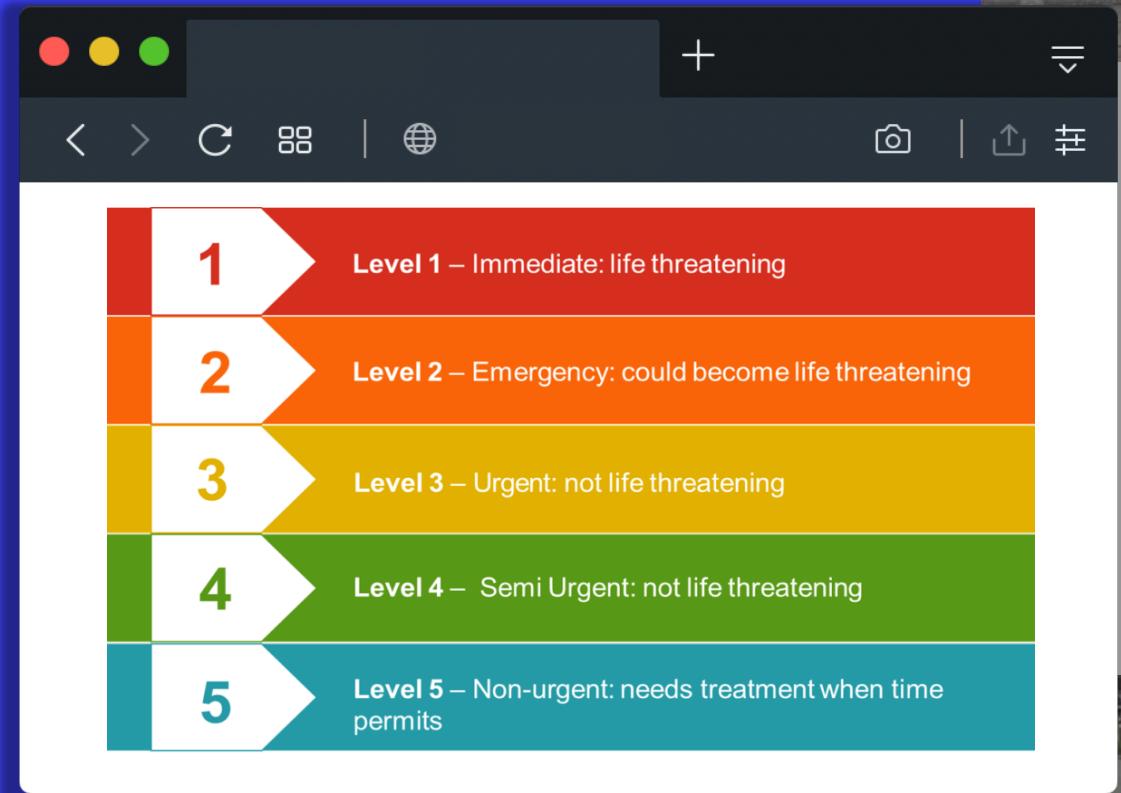
Chayen
X Road

14 Types



Traffy Fondu





ABOUT

Levels of Road Damage Severity



ABOUT

3 Levels of Road Damage Severity



GOOD

- Rough surface
- Small hole
- #Hole ≤ 1



POOR

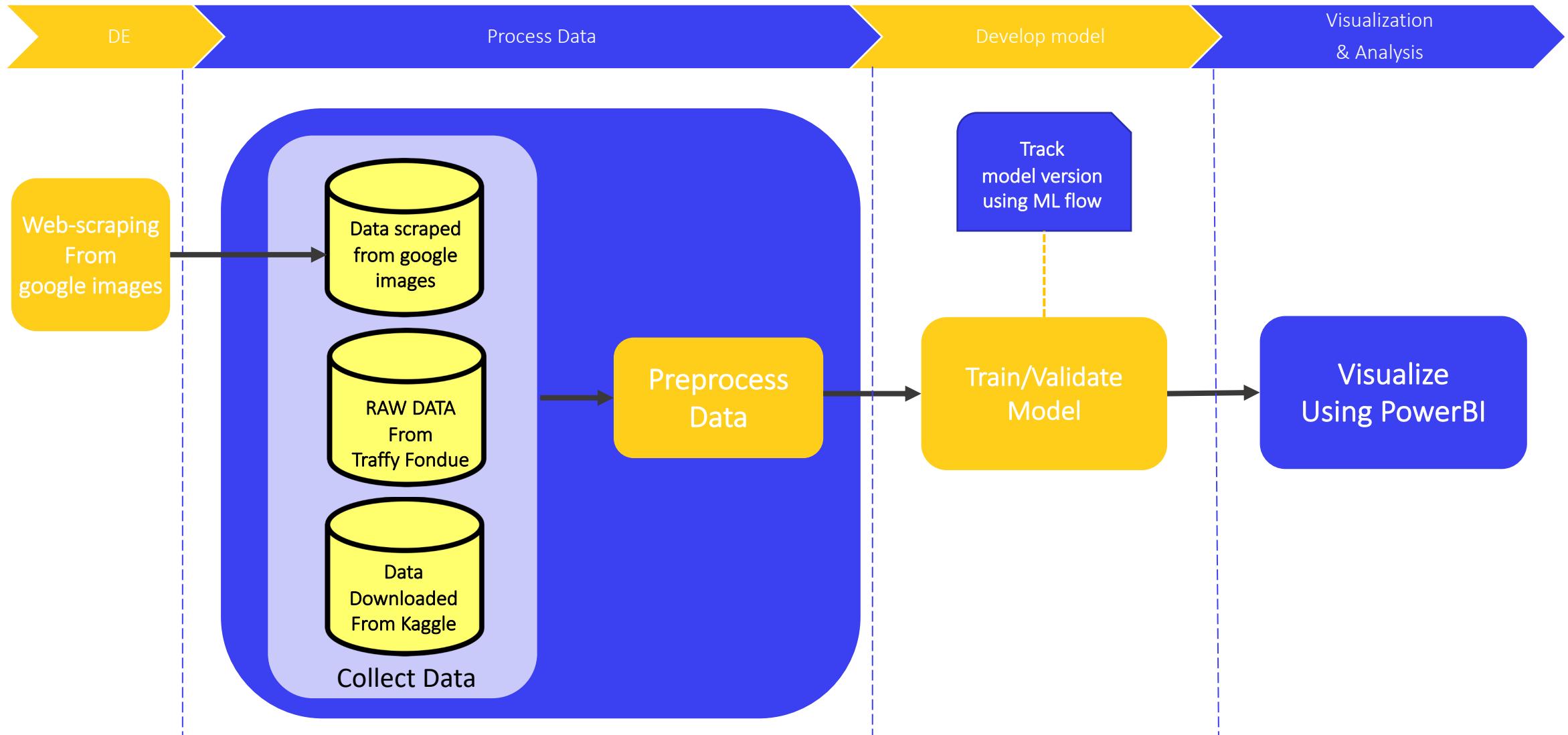
- #Hole = 2
- Medium wide hole



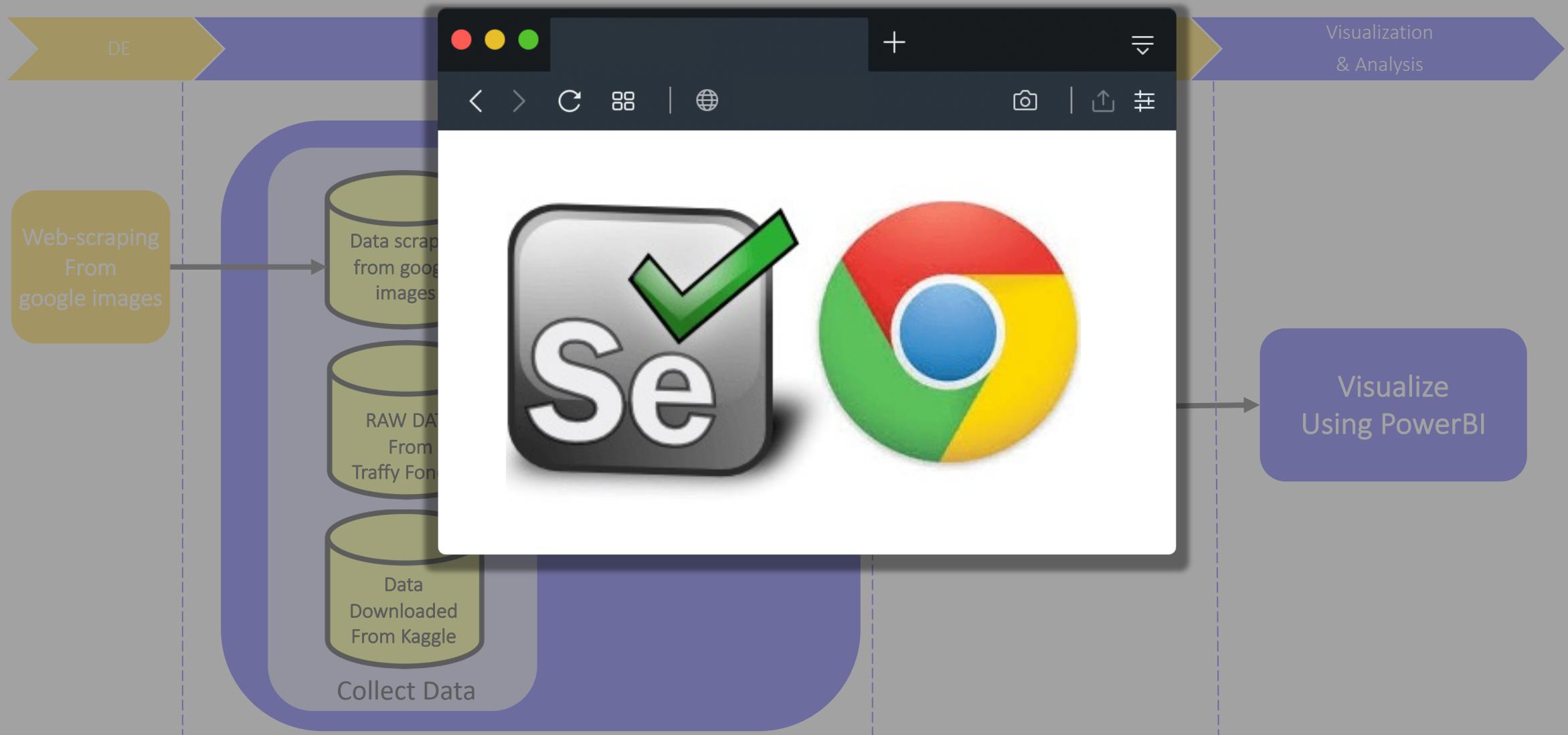
VERY POOR

- #Hole ≥ 3
- Wide hole
- Hole with depth
- Ponding

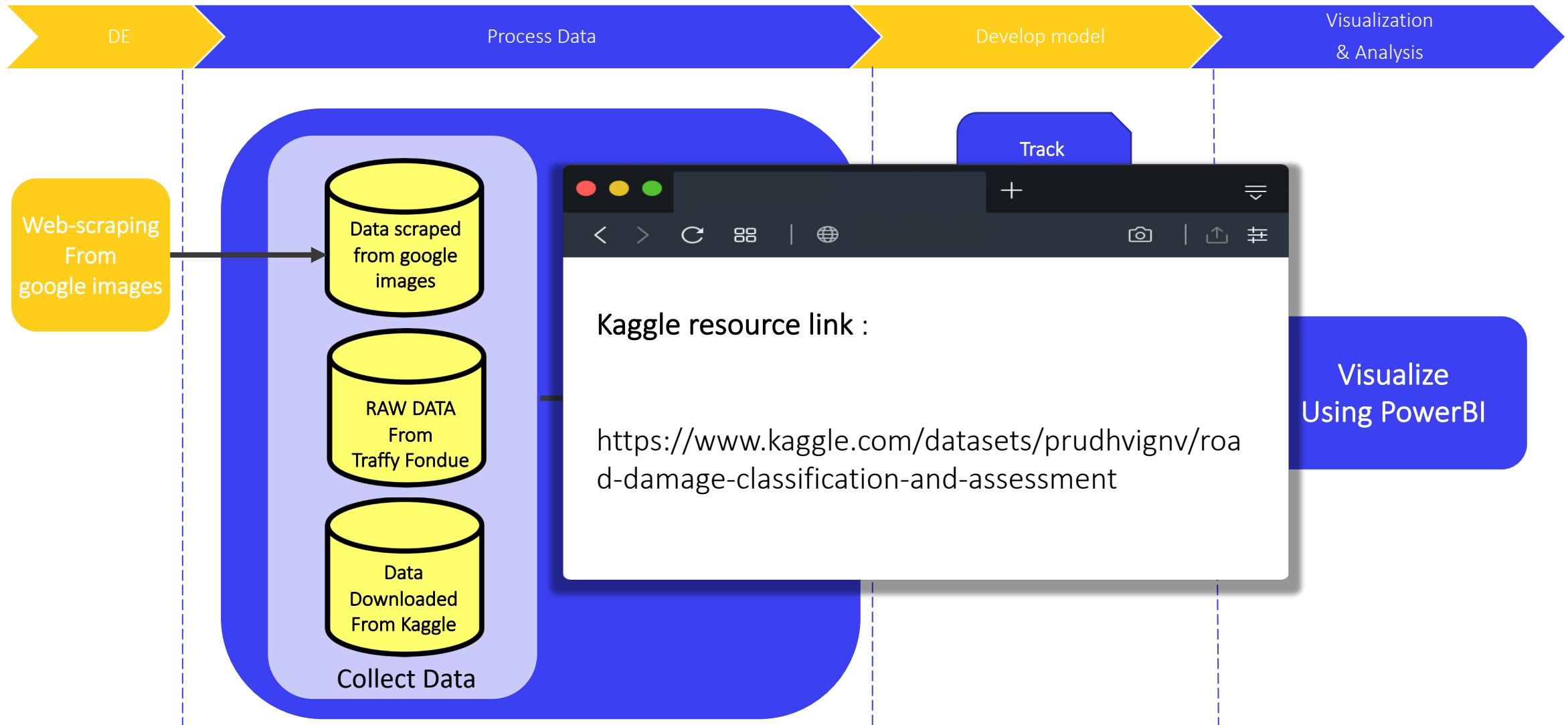
Project Overview



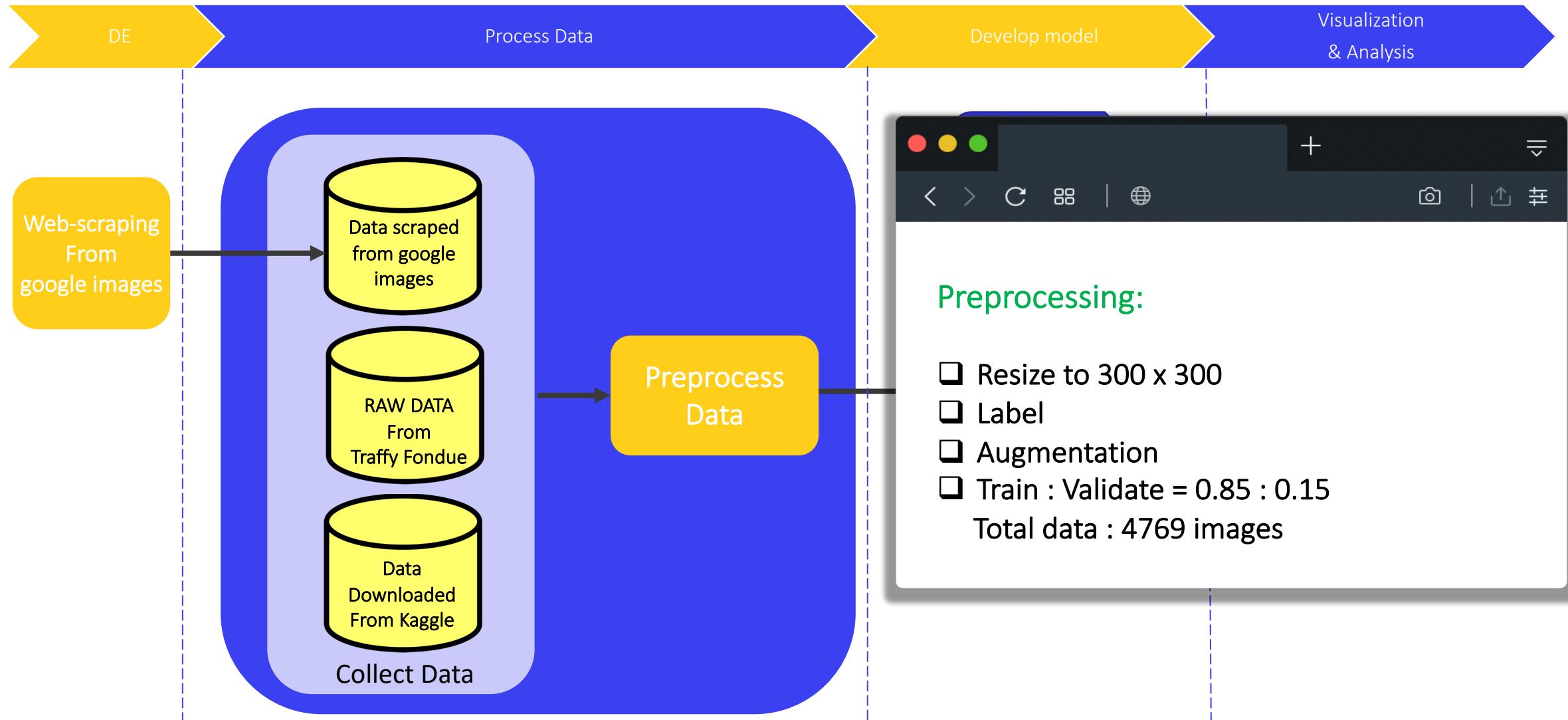
Project Overview



Project Overview



Project Overview





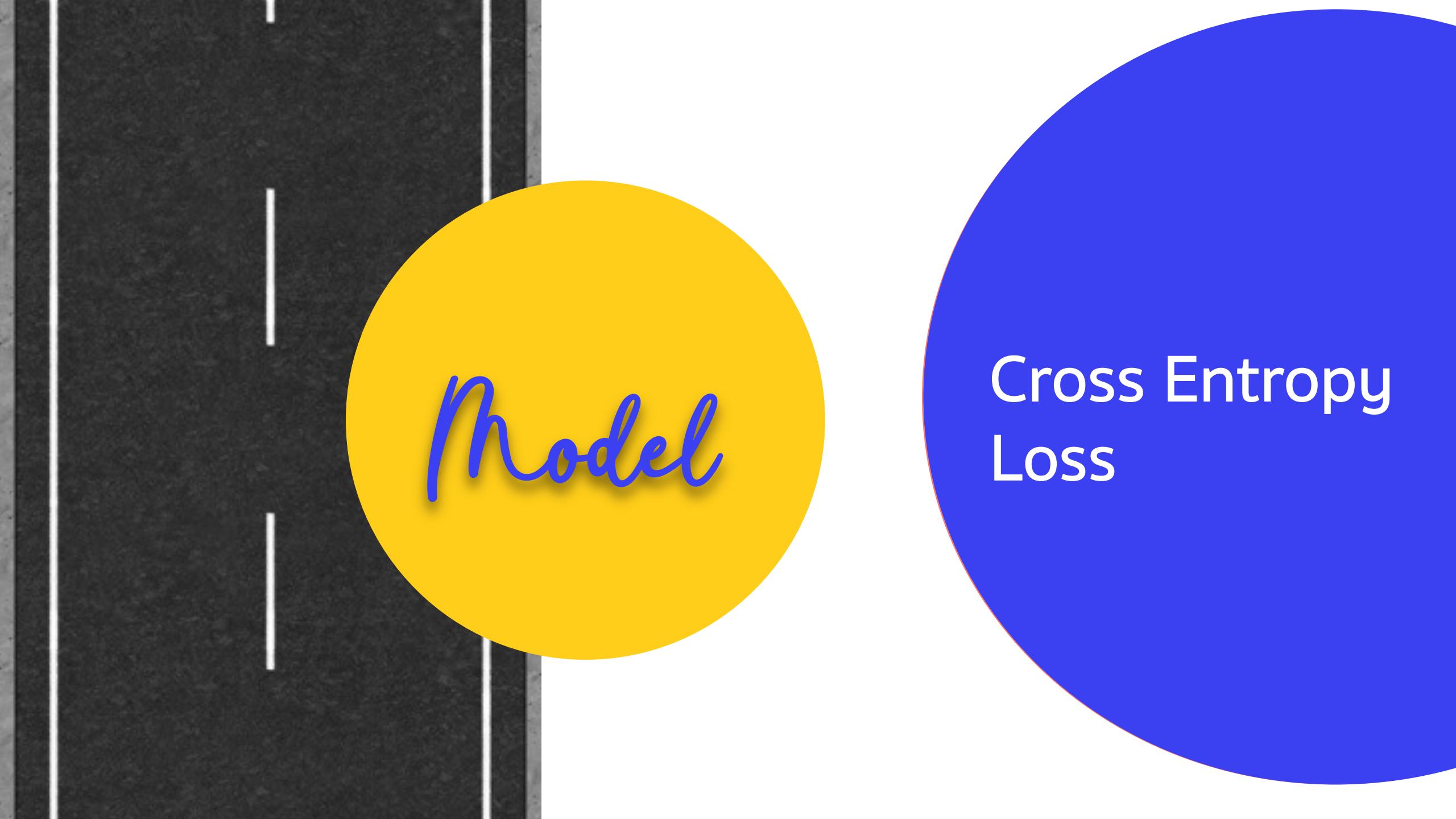
Model

Image
Classification



Model

Efficientnetb1



Model

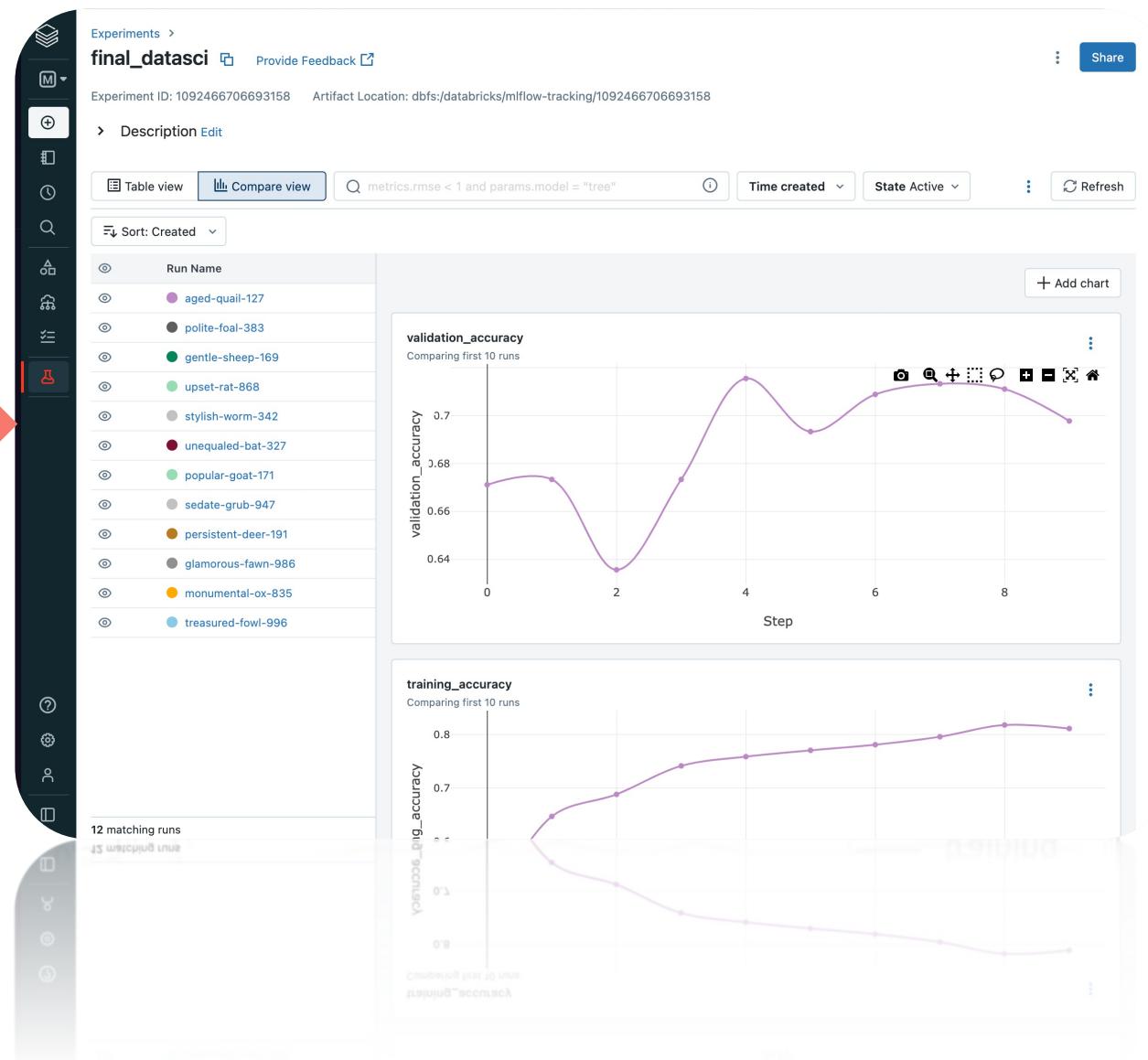
Cross Entropy
Loss

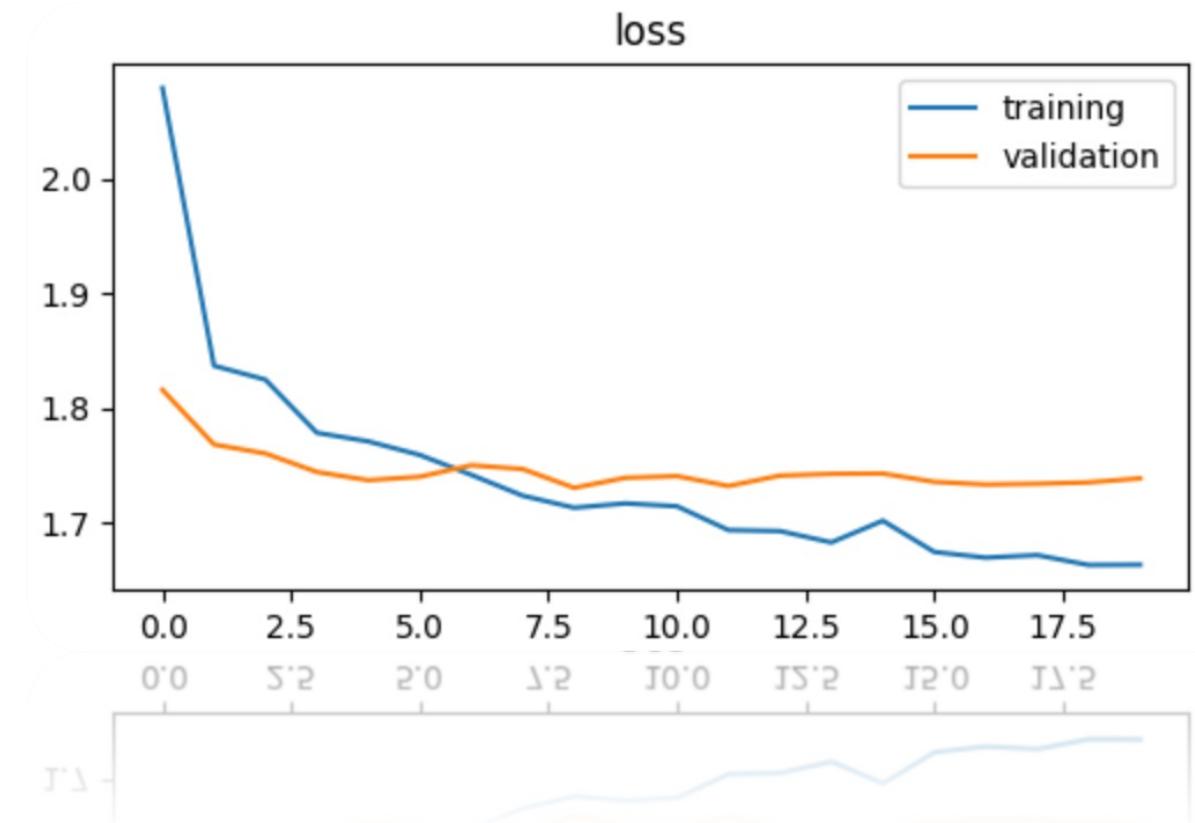


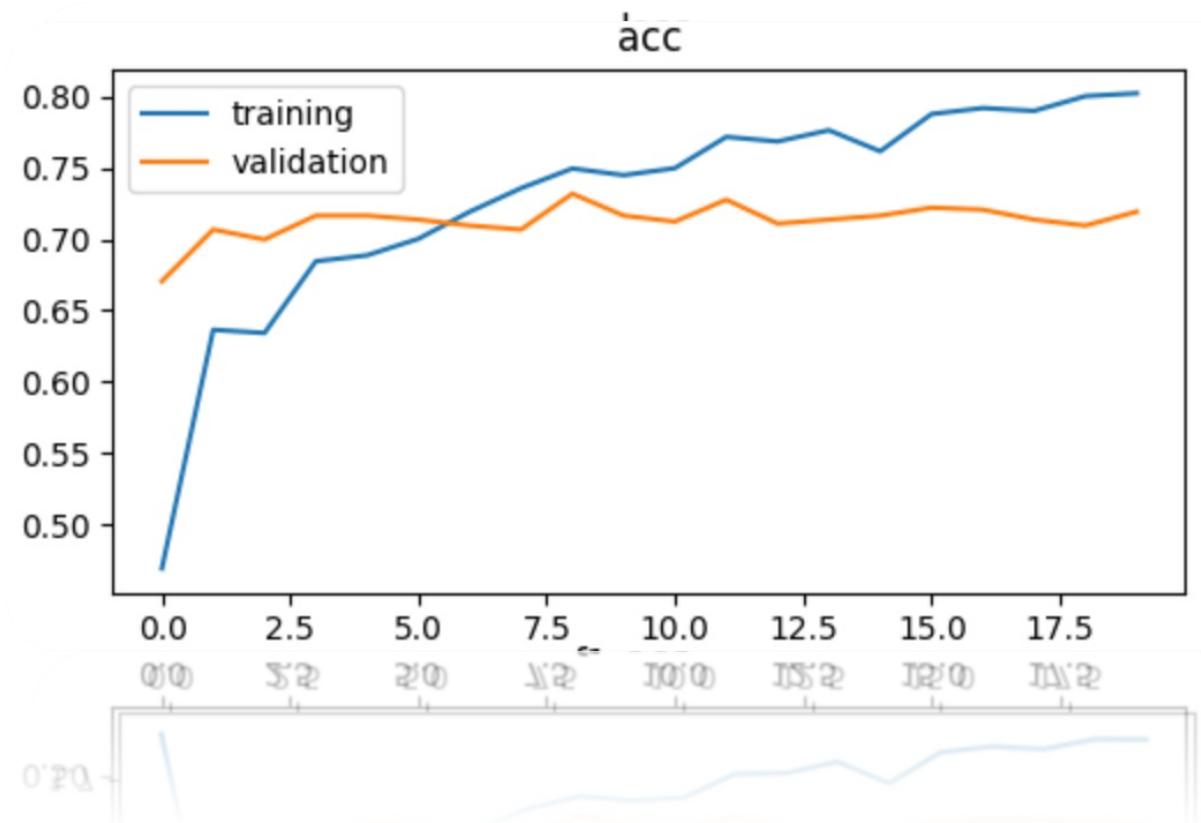
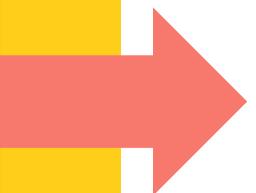
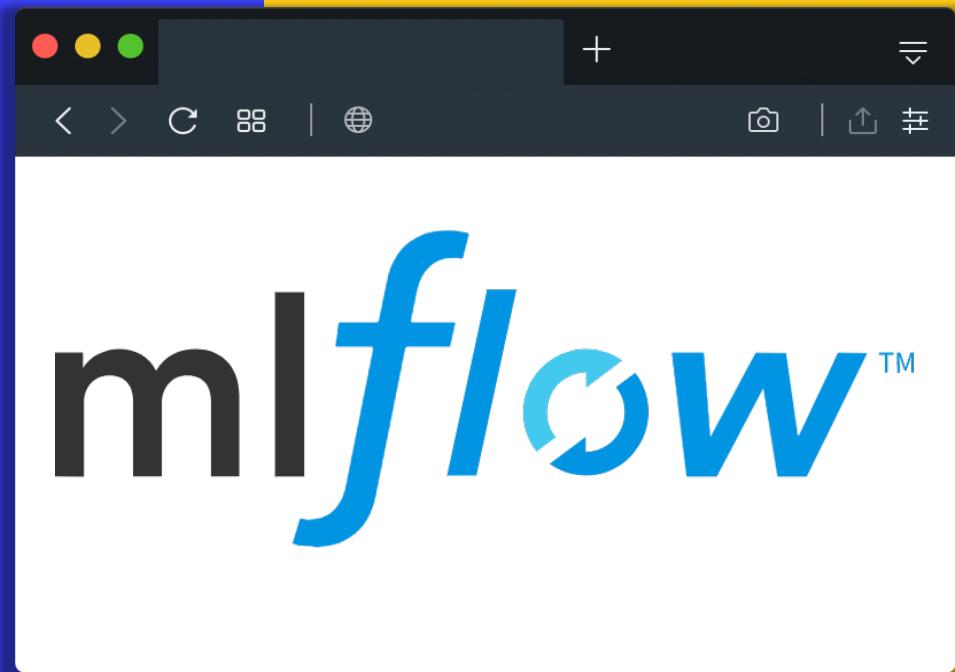
Model

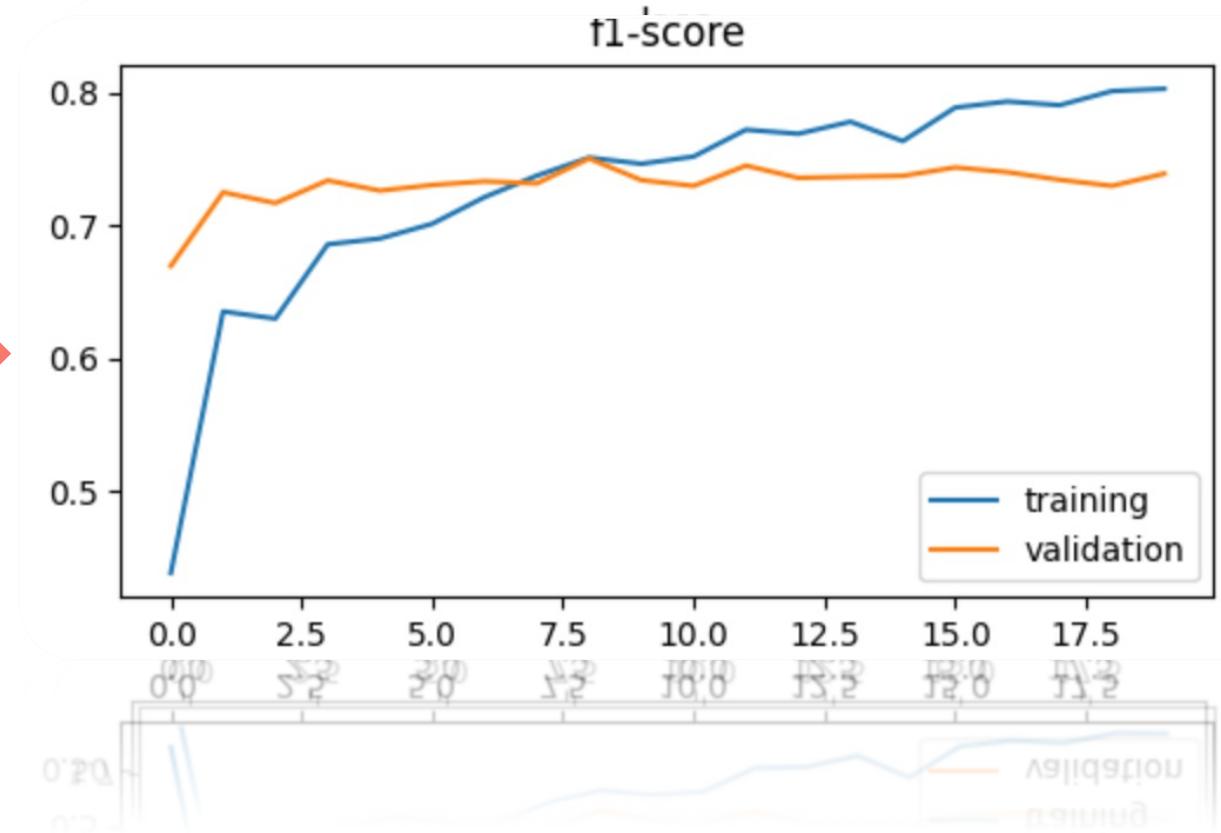
Stochastic
Gradient
Descent

Learning rate = 0.02
Momentum = 0.9







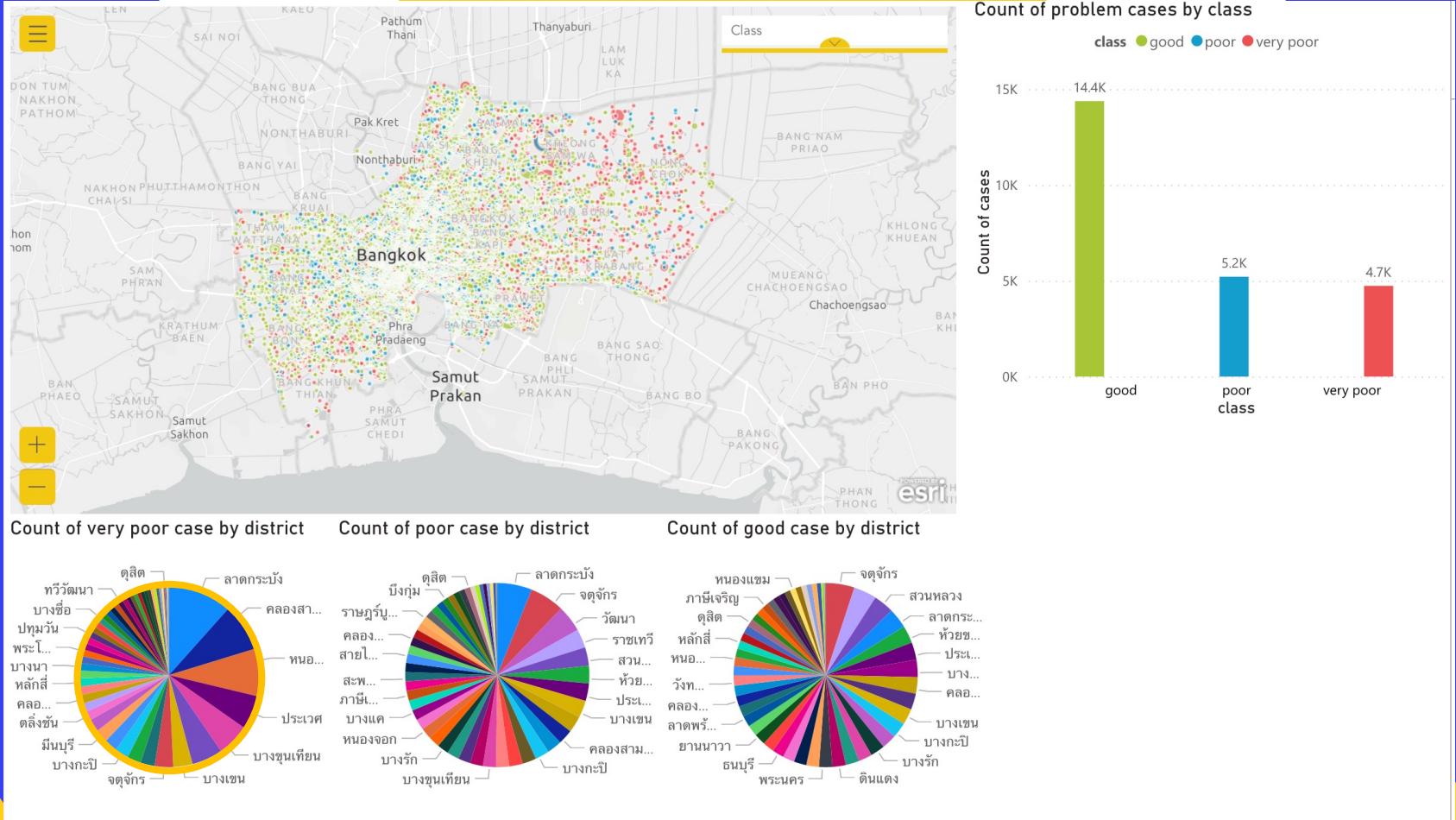


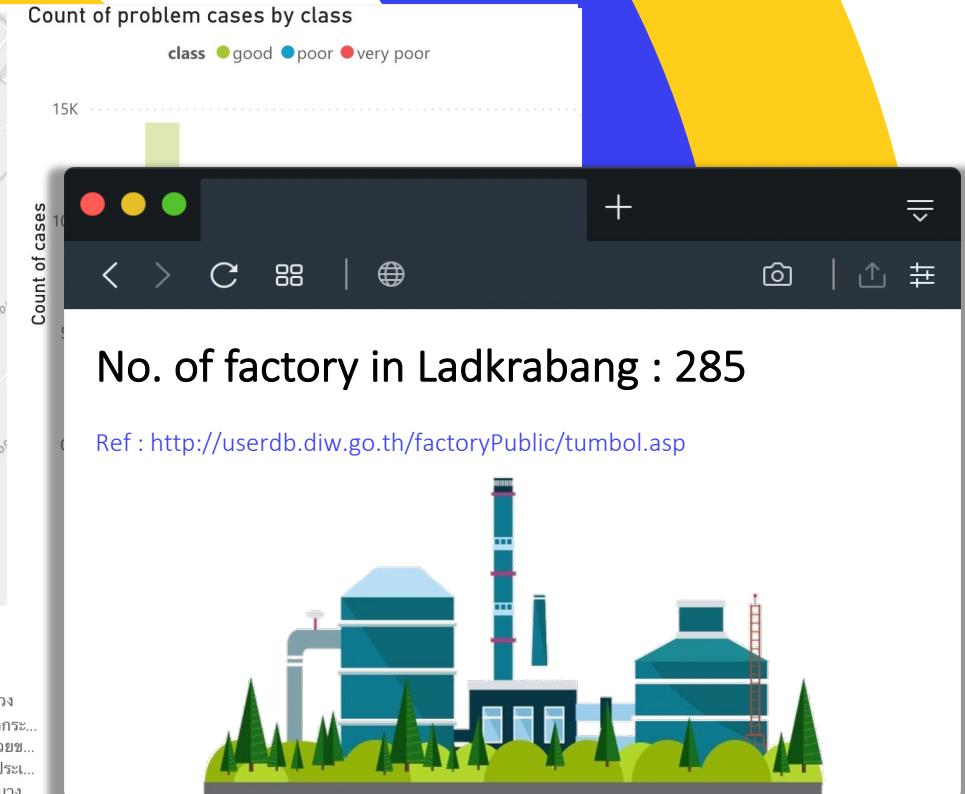
Calling Model via API

<http://54.255.148.86:8000/api>



Visualization

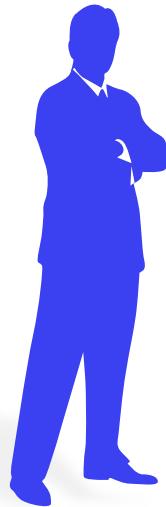






Presented By

Chayen



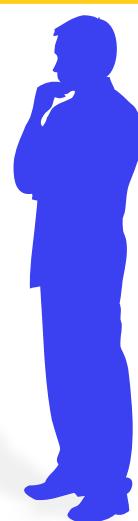
6331309621

Yaninchaya
Unjitwattana



6330159621

Natnicha
Coasol



6330308821

Parin
Opasphatikul



6330282021

Nanthicha
Makjinda

A yellow-tinted photograph of a person standing in a room with two large windows. The person is wearing a light-colored shirt and dark pants, and is looking towards the camera. The windows have white frames and multiple panes.

Thank you.