



Risk Factor Analysis

Pavan Gorantla

Himaja Barla

Taniya Dhar

Shreya Chauhan

Manavi Rawat

Rachit Arora

Business Objective

Identifying the dangerous commercial truck drivers working at A-Z National Trucking corporation headquartered in California

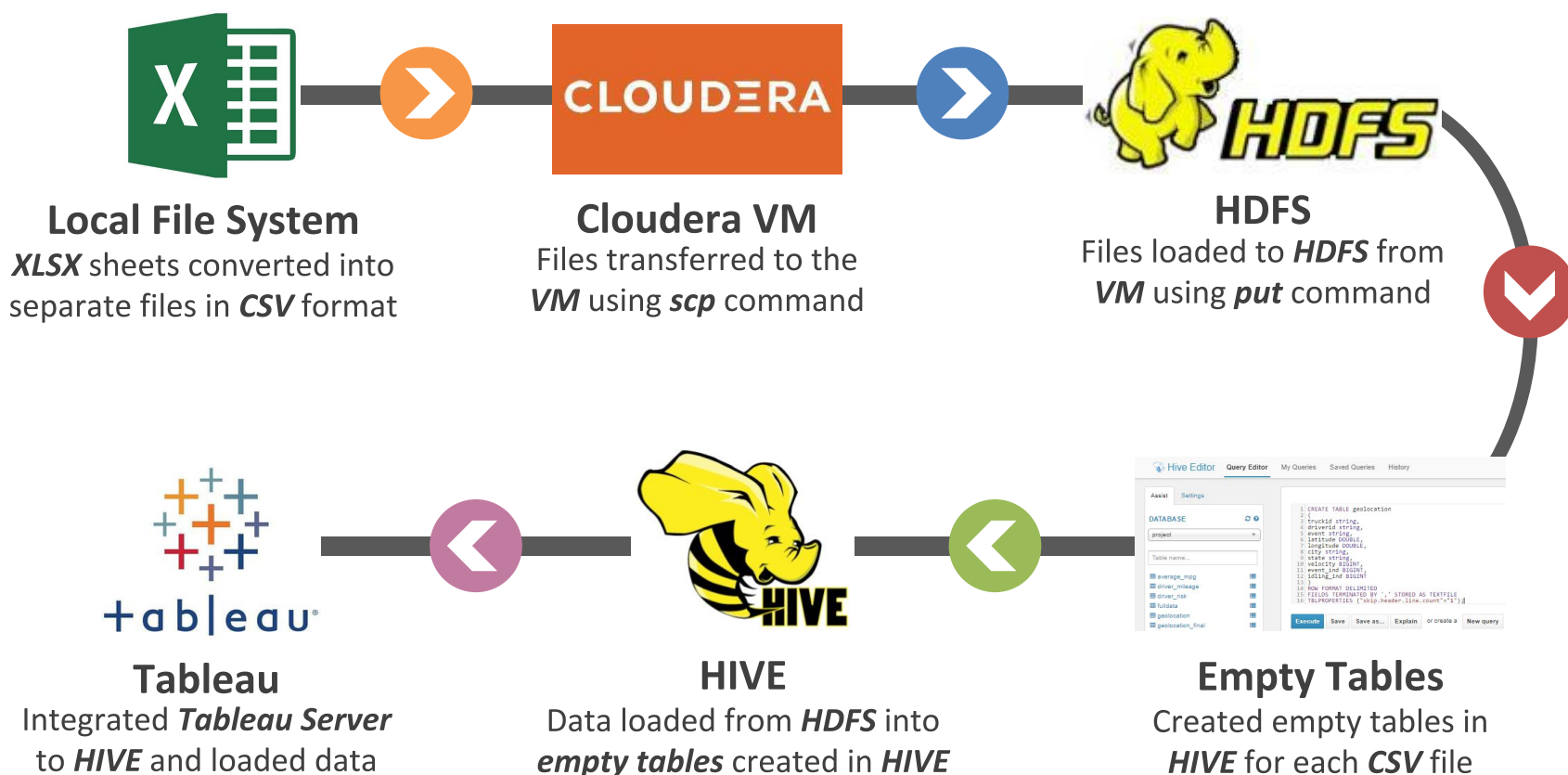
Problem Statement

Accidents caused by large trucks remain one of the leading causes of injuries and deaths in the United States. By analyzing the truck fleet data, dangerous commercial truck drivers and their risk factors need to be identified in order to meet ANT's organizational goals of better understanding risk and to revise truck movements to increase safety.

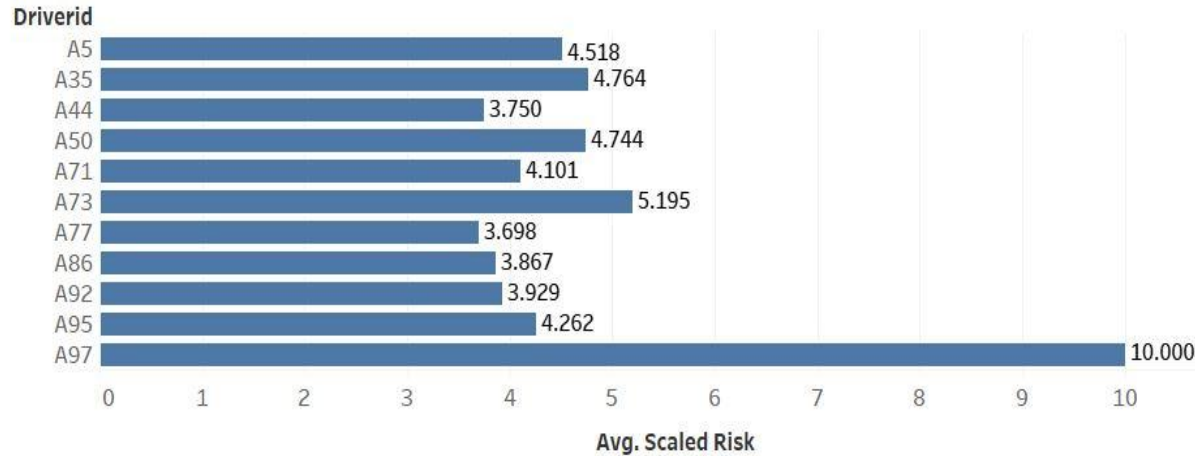
Results and Insights

- Found drivers with high risk factor using telematics events & mileage
- Discovered the trucks that recorded low gas mileages in their lifetime
- Located cities with high density of dangerous events and idling trucks
- Identified the top truck models that got involved in dangerous events

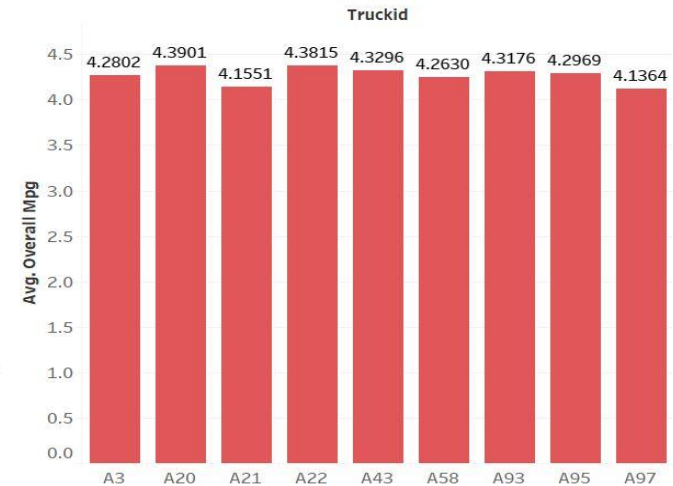
Process Flow



Risky Drivers



Low MPG Trucks



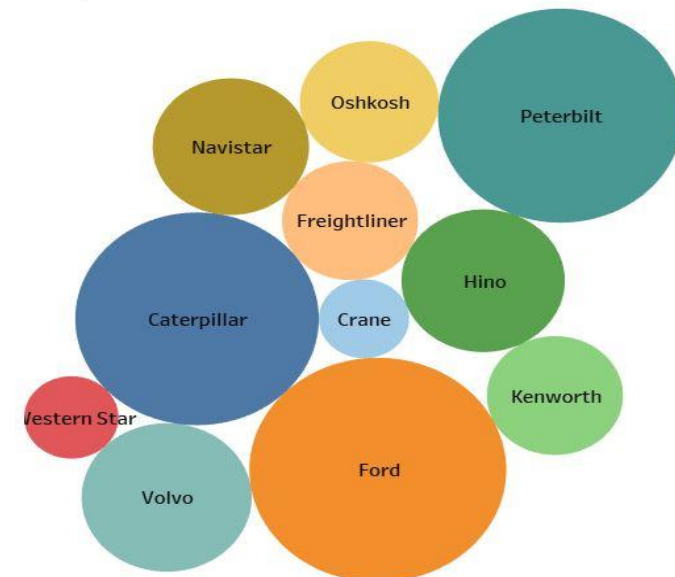
Risky Events



Idling Trucks



Risky Models





THANK YOU!

ANY QUESTIONS?