

Advanced Analytics Center of Excellence

October 26, 2016



Agenda

- A look at the Auto Insurance Industry
- Auto Insurance Industry in transition
- Machine Learning in Auto Insurance Industry
 - Machine Learning for Better Driving
 - Risk Reduction via Machine Learning
 - Faster Claims Processing
- Look ahead



Recovering Economy, More Driving, More Collisions, More Fatalities



Auto Insurance Industry costs are going up



Bodily Injury

+9.6%



Property Damage +14.7%



Personal Injury Protection +18.4%



Collision

+11.1%

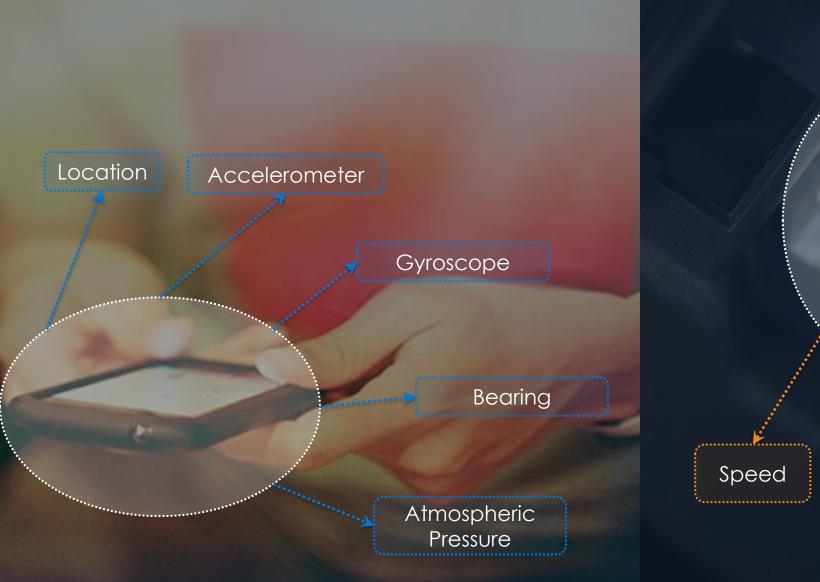


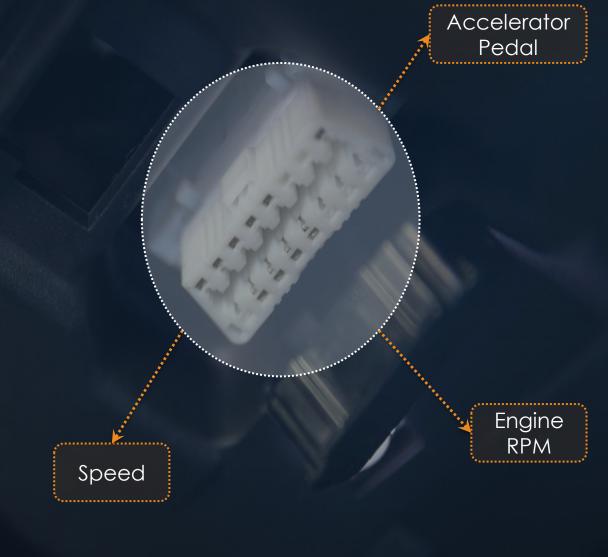
Comprehensive

+11.0%

Rise in losses from 2014 to 2016

Real-Time Data enabling smarter driving

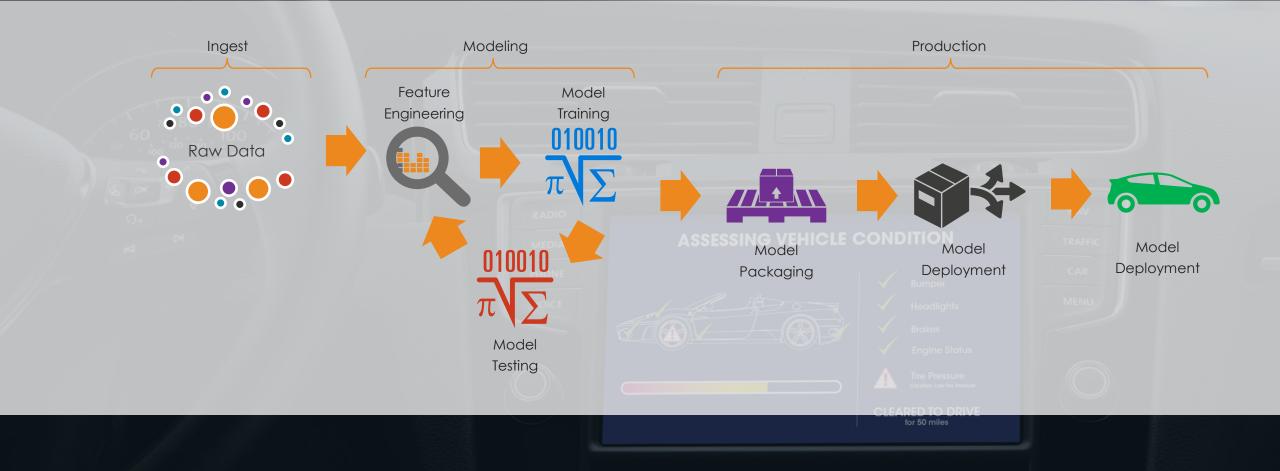




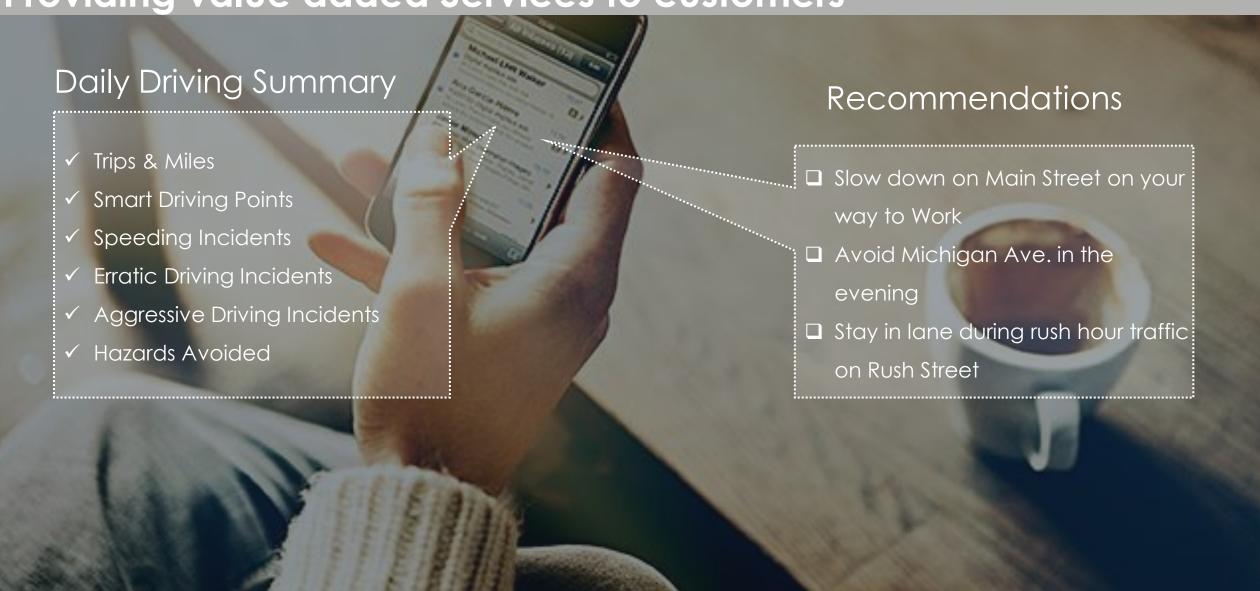
Machine Intelligence — your in car driving coach



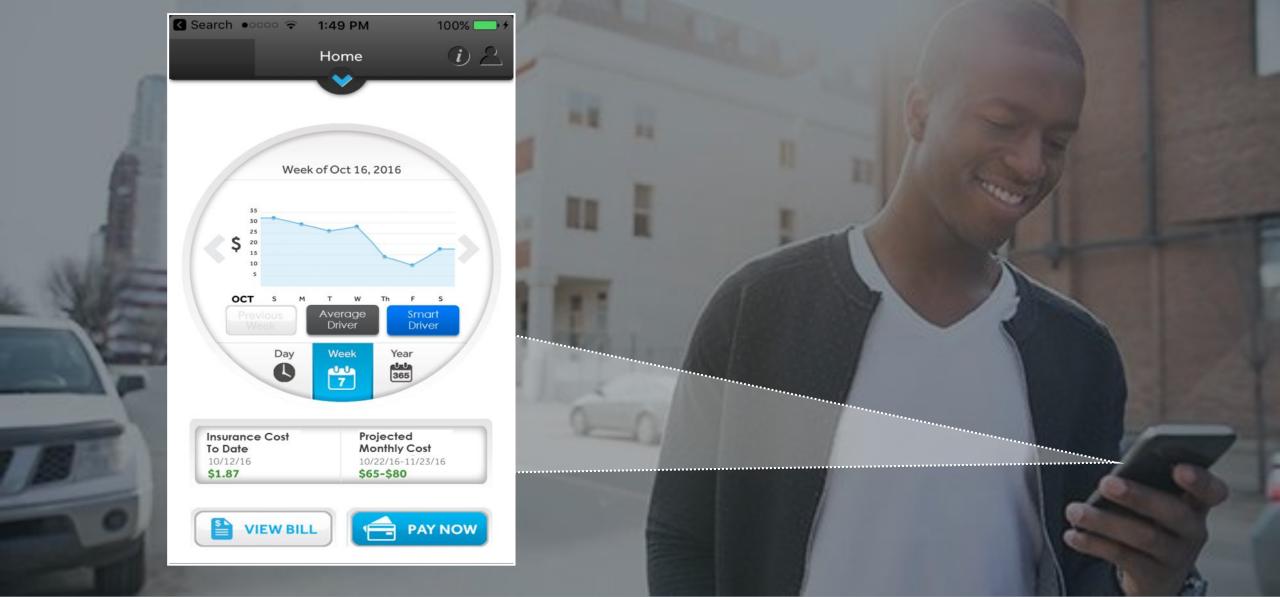
Deploying Real-Time Machine Prediction



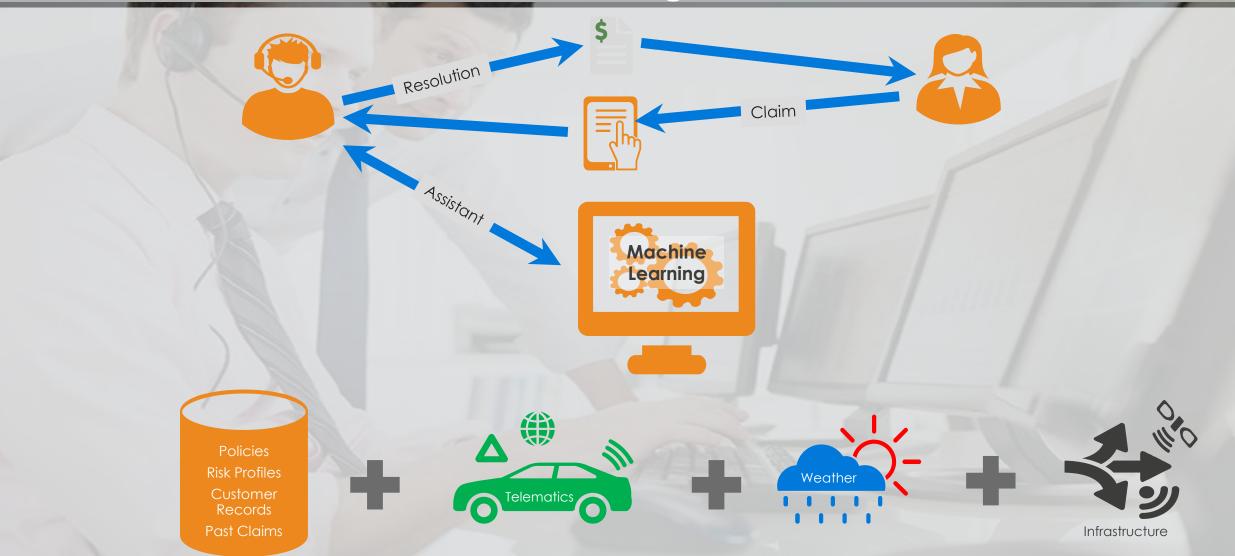
Providing value added Services to customers



Pay how you drive (PHYD) via Predictive Billing



Real-Time data and Machine intelligence in Claims resolution



What is next for Machine Learning in Auto Insurance?

- More data:
 - Dash Cam Video Analytics
 - Wearables
- Better Algorithms:
 - Deep Learning
 - Artificial Intelligence
- In Car Applications:
 - Geo Fencing
 - Personal Assistant
 - Prescriptive Repair

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