

TEAM 3





More than 20 various services



\$ 90 billion books, 2021



Revenue \$18.3 billion revenue, 2021

118 million Users by year





Traditional Taxis

Long waits

Rude drivers

Unreasonable price

Lack of route transparency

Unpredictable arrival time

All the shortcomings of traditional taxis were the opportunities for Uber



Background Utilizing ML

Opportunity ML-rel & Challenge p

ML-related Business problem

Solutions

Benefits & Costs



The explosive growth of AI technology, GPS navigation, smartphones

And rise of the sharing economy concept.















Difficulties on handling with huge data

Need to draw not only customer, but also driver into uber platform , solving problems inherent in traditional taxi service

Background		Utilizing ML	Solutions	
	Opportunity	ML-related	d Business	Benefits
	& Challenge	prob	blem	& Costs



Benefits & Costs

Difficulties on handling with huge data

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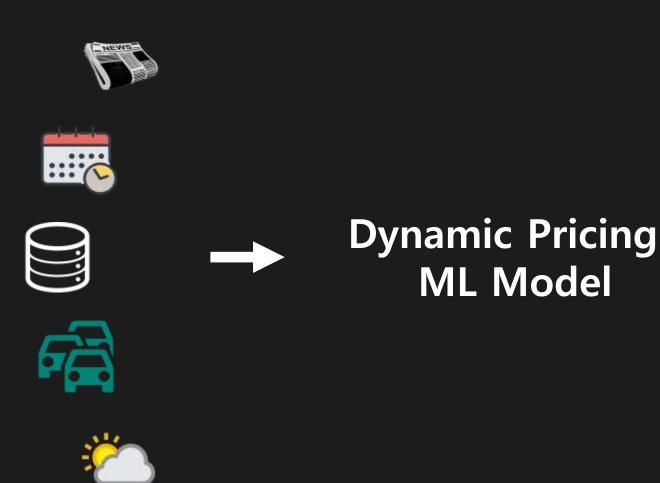
How to match How to price





Utilizing ML: Dynamic Pricing

Utilizing ML Solutions Background Opportunity ML-related Business Benefits & Challenge problem & Costs





Opportunity & Challenge ML-related Business problem

Benefits & Costs



Utilizing ML: Dynamic Pricing









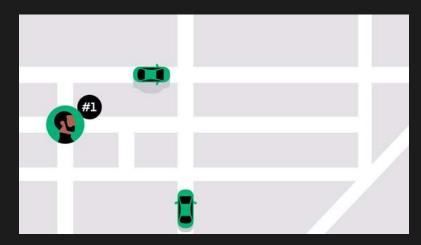




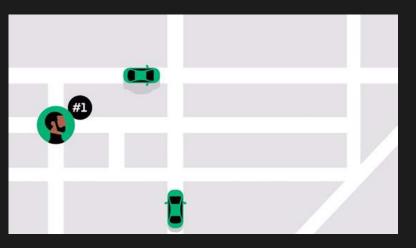
Dynamic Pricing ML Model

Opportunity & Challenge ML-related Business problem

Benefits & Costs



Only distance-based matching is not always best case



ML-based batched matching system finds the best matching rider-driver

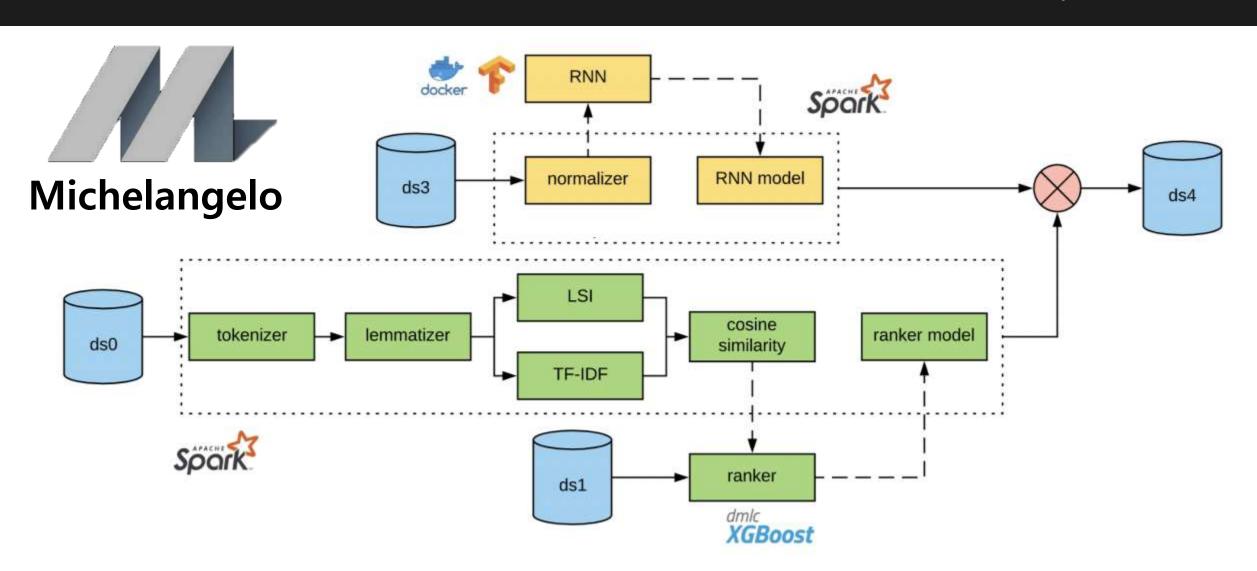
The reasonable matching system using machine learning provided irreplaceable > convenience to both customers and riders.

Utilizing ML : ML Platforms

Opportunity & Challenge

ML-related Business problem

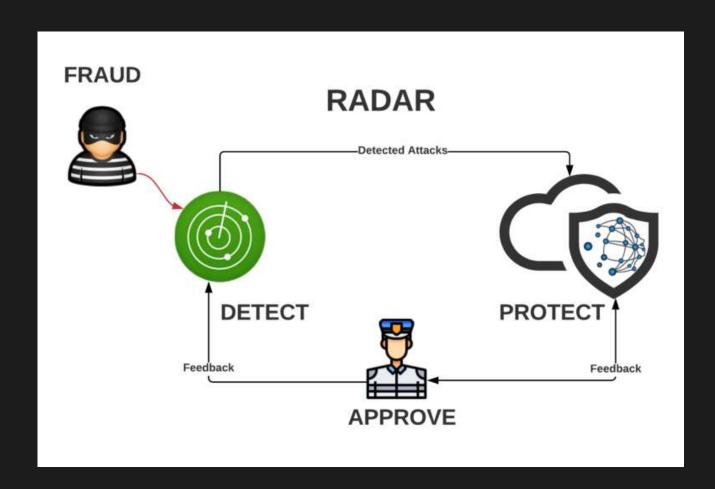
Benefits & Costs





Business Problem: Payment Fraud

Utilizing ML Solutions Background Opportunity ML-related Business Benefits & Challenge problem & Costs



2 Types of Payment fraud

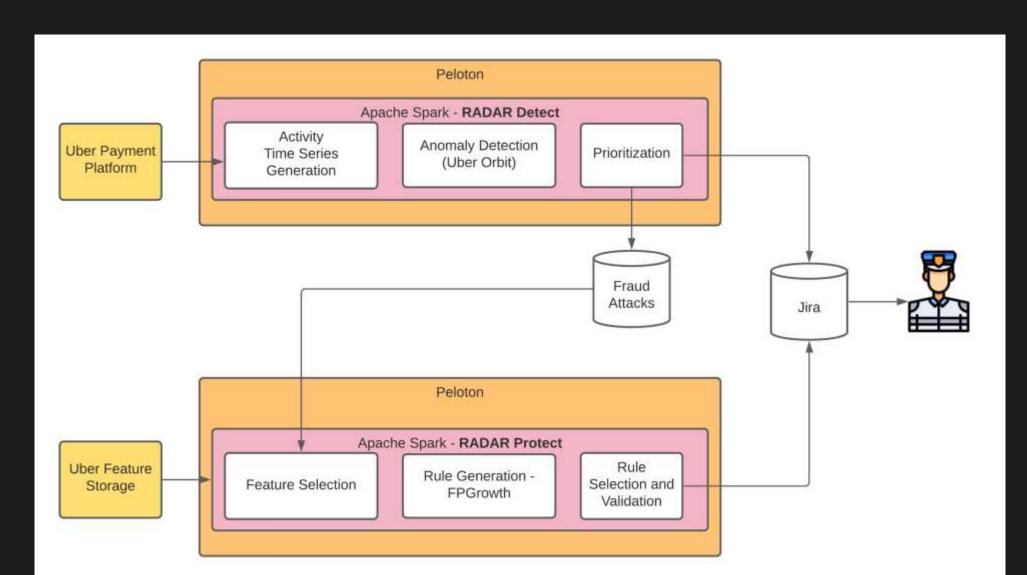
- DNS(Do not settle)
- Chargeback



ML-related Business

problem

Opportunity & Challenge



Solution: Payment Fraud

Radar AI fraud detection and mitigation system with humans in the loop

Background

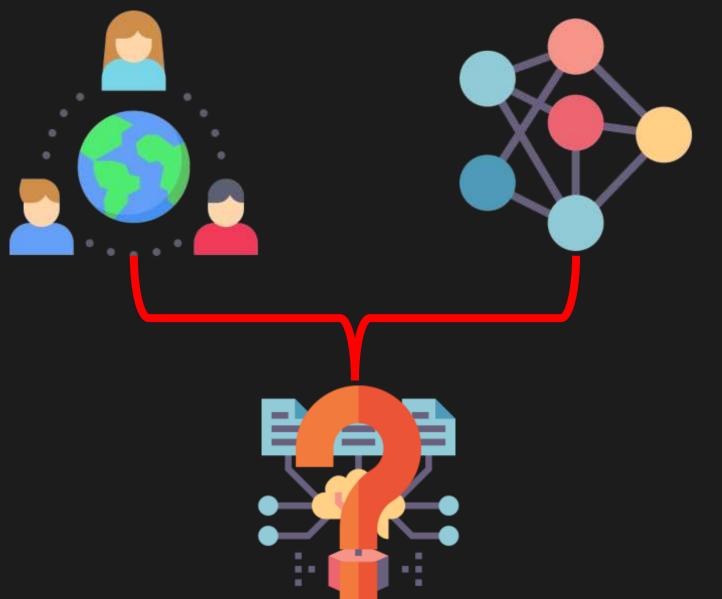
Utilizing ML

Solutions

Opportunity & Challenge

ML-related Business problem

Benefits & Costs



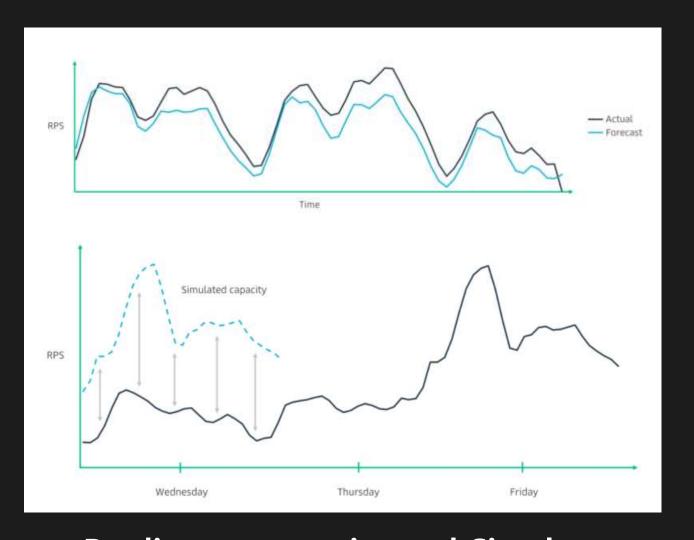
Uber

Background Utilizing ML Solutions

Opportunity & Challenge

ML-related Business problem

Benefits & Costs



Predict core metrics and Simulate e.g.) requests per second, latency, and CPU usage





D Business Problem: Others

Utilizing ML Solutions Background

> Opportunity & Challenge

ML-related Business problem

Benefits & Costs







Law issues

Privacy

Price competition



Background Utilizing ML

Opportunity & Challenge

ML-related Business problem

Solutions

Benefits & Costs



Uber



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Thank you!