

Machine Learning with Microsoft Azure

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What is Machine Learning

Predictive computing systems become smarter with experience. Ambient intelligence and Machine learning go hand in hand.

“Delivering on one of the old dreams of Microsoft co-founder Bill Gates: Computers that can see, hear and understand.”

John Platt

Distinguished scientist at
Microsoft Research



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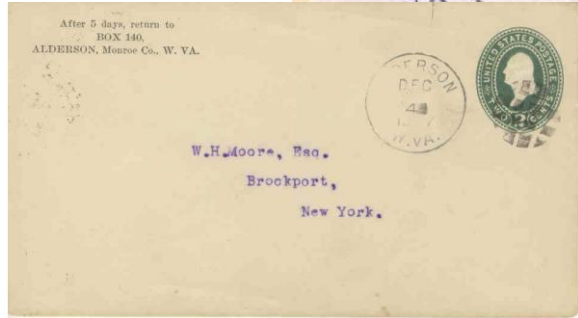


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Goal

“The goal of machine learning is to build computer systems that can adapt and learn from their experience.”

– Tom Dietterich

Predictive Analytics use cases



Churn analysis



Social network analysis



Recommendation engines



Location-based tracking and services



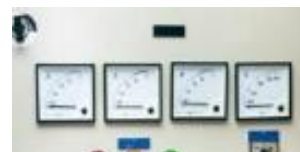
Vision Analytics



Weather forecasting for business planning



Legal discovery and document archiving



Equipment monitoring



Advertising analysis



Pricing analysis

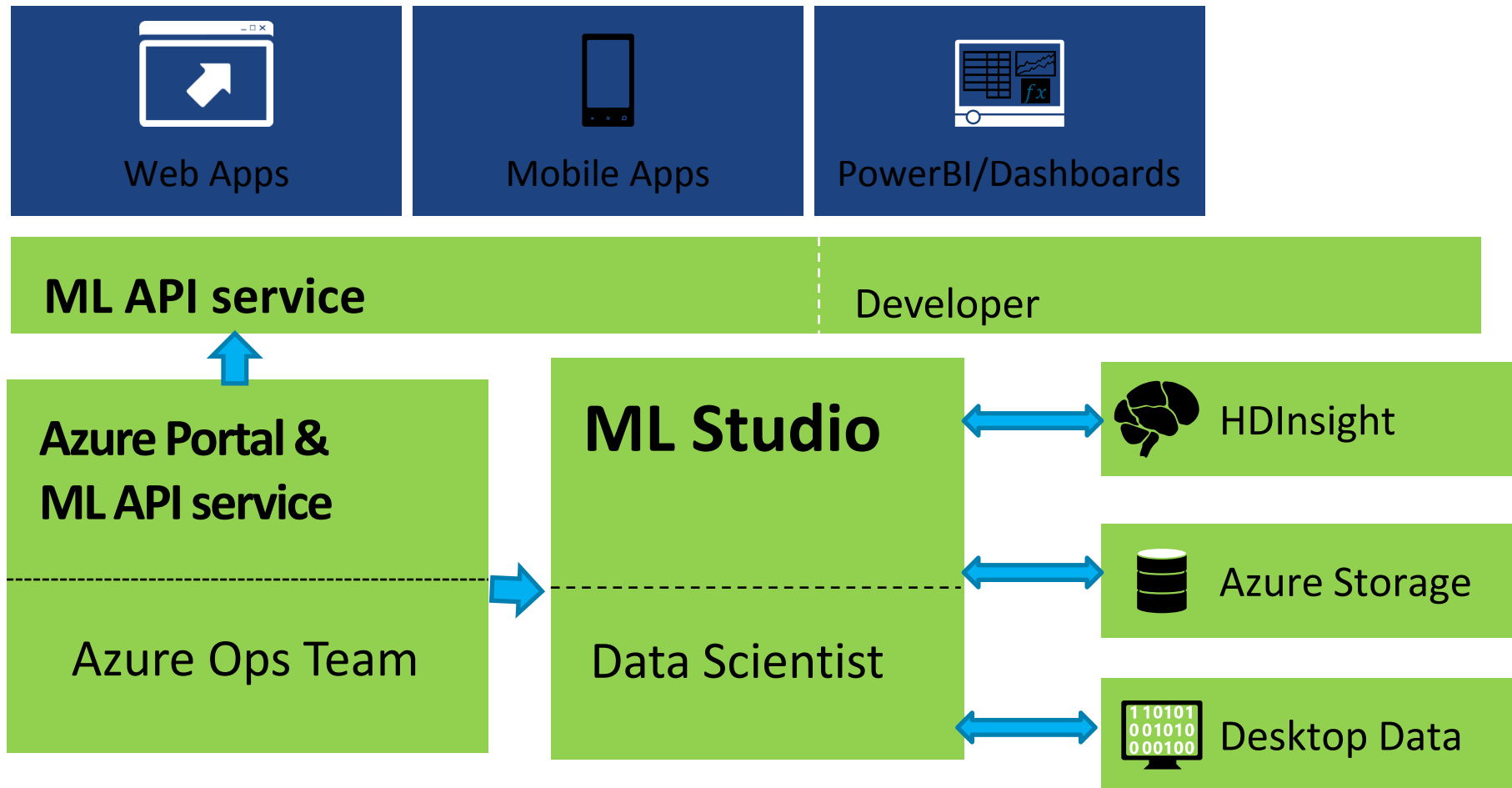


Fraud detection



Personalized Insurance

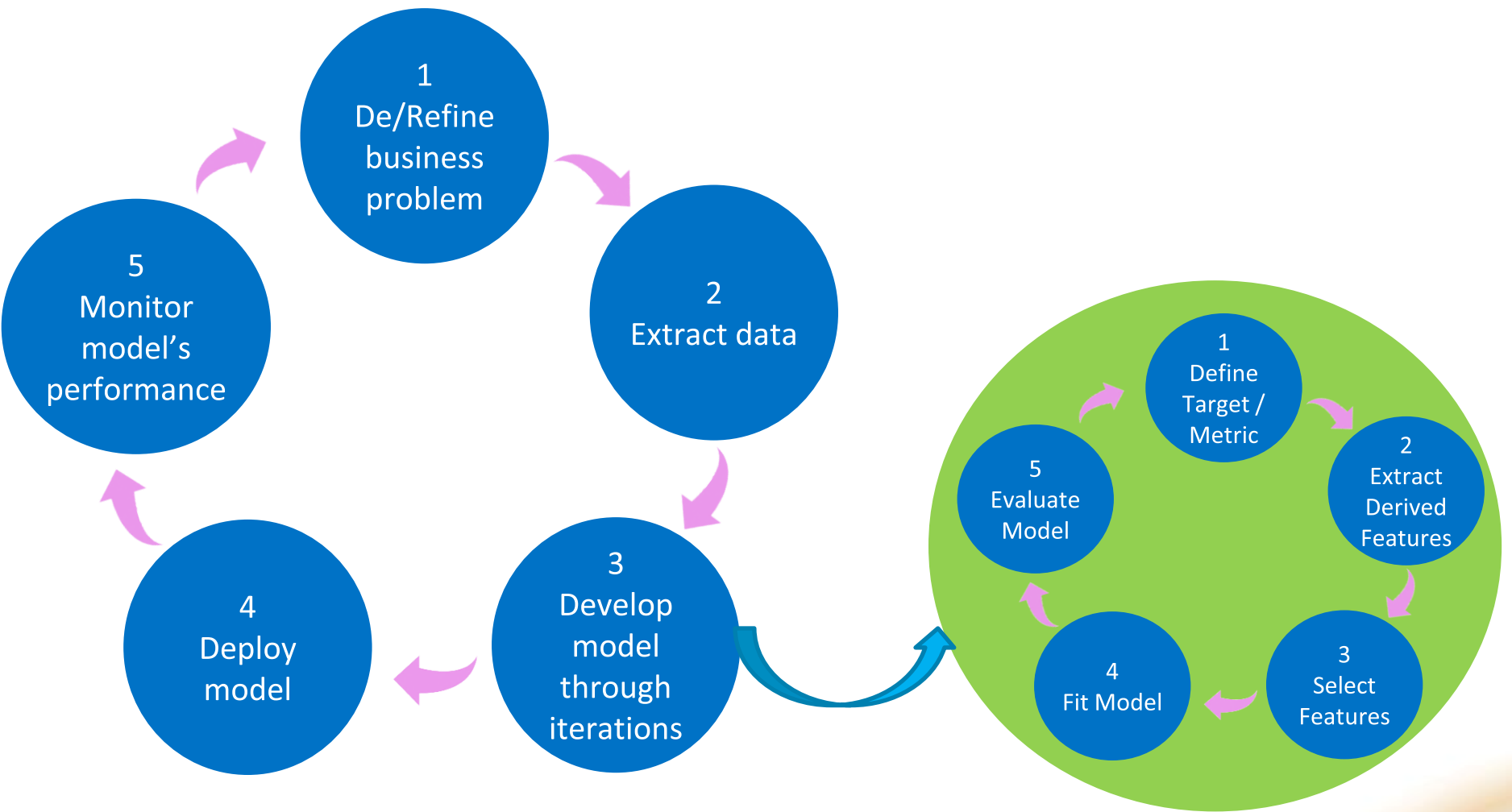
Machine learning – High level Architecture



Classes of Learning Problems

- Classification
- Regression
- Ranking
- Clustering
- Dimensionality reduction

How do I use Machine Learning?



DEMO



Thank you!