

Enabling the AI-Driven Enterprise with Automated Machine Learning

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DataRobot



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2004 - 2007 : Ph.D. High Energy Physics @London Univ.

- Statistical modeling of accelerator physics data

2007 - 2010 : Data Scientist @NYU

- Statistical modeling tool development for Higgs discovery @LHC, CERN

2010 - 2013 : Strategy Consultant @Boston Consulting Group

- Applied analytics to real business issues

2013 - 2015 : Founder/CEO @Shiroyagi Corporation

- Developed and provided AI driven news curation app, Kamelio

2015 - : Chief Data Scientist @ DataRobot

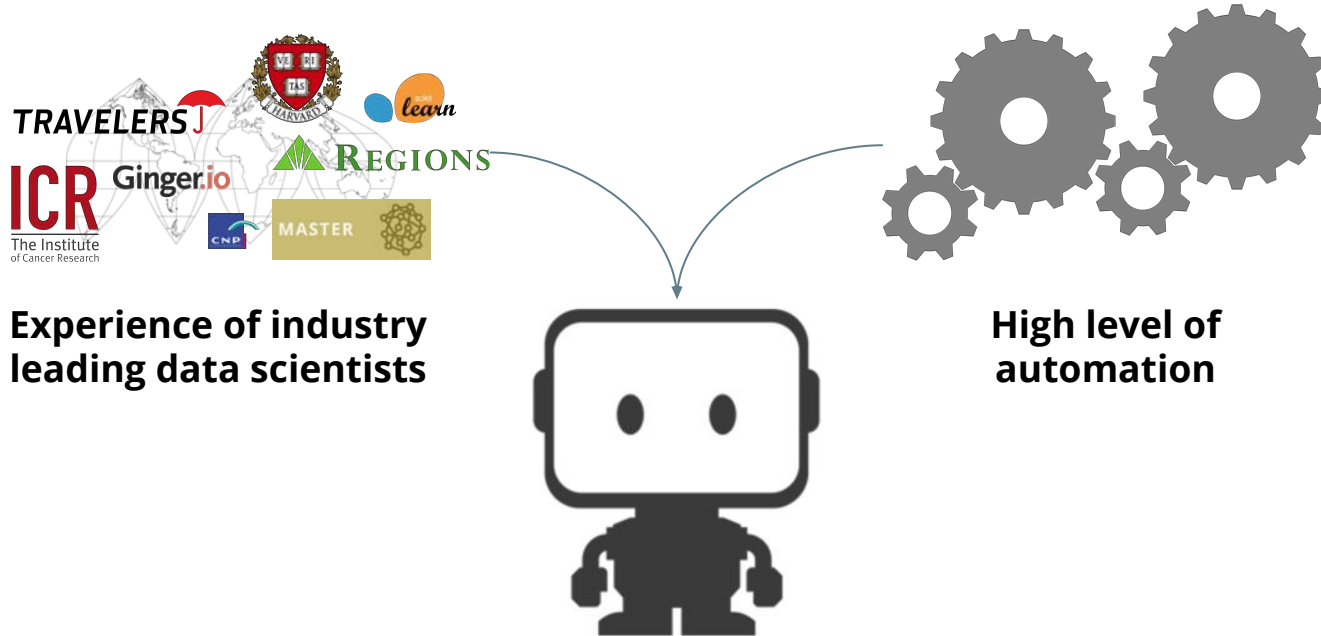
- Enabling successful use of machine learning in all type of businesses



What is DataRobot?

Machine Learning software platform that is accessible by anyone

- Automates building of **highly accurate predictive models**
- Automation throughout the process of **production deploy** to value creation
- **GrayBox** technology that turns complex models interpretable & explainable



The machine learns from historical examples

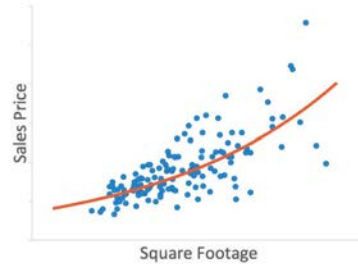
to build a model

that can make future predictions

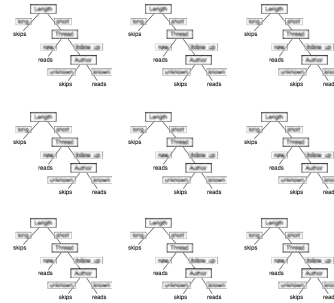
Machine learning algorithms are complex and diverse



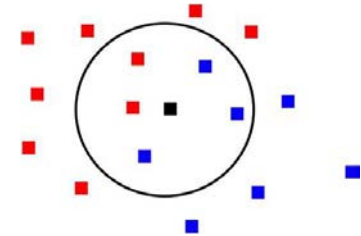
Neural Network



Generalized Linear Models



Random Forest



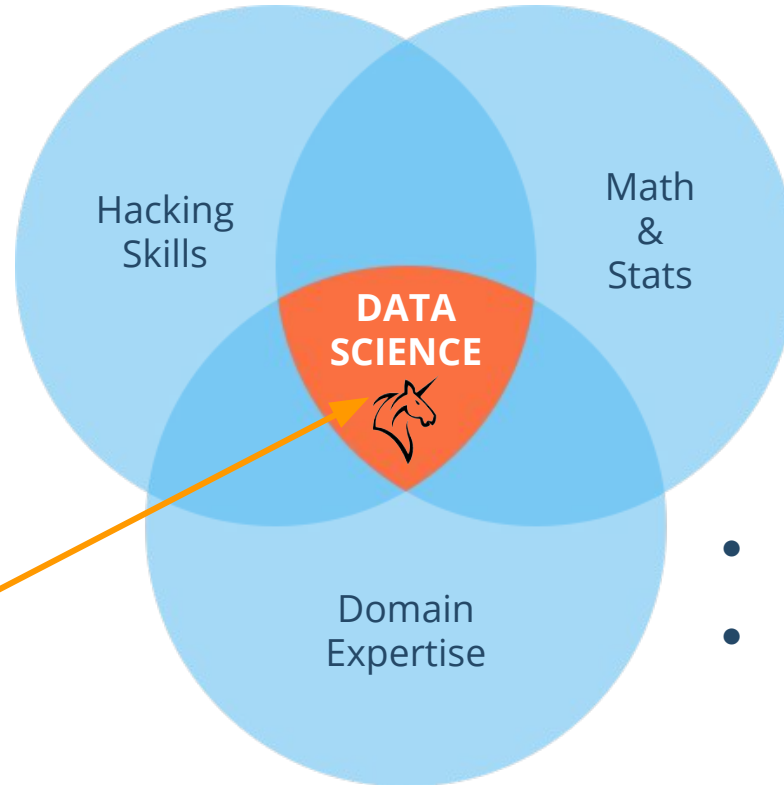
K-Nearest Neighbor



Therefore data scientists are scarce and \$\$\$\$

- **Programming**

- Data collection
- Data preparation
- Model building
- Model deploy



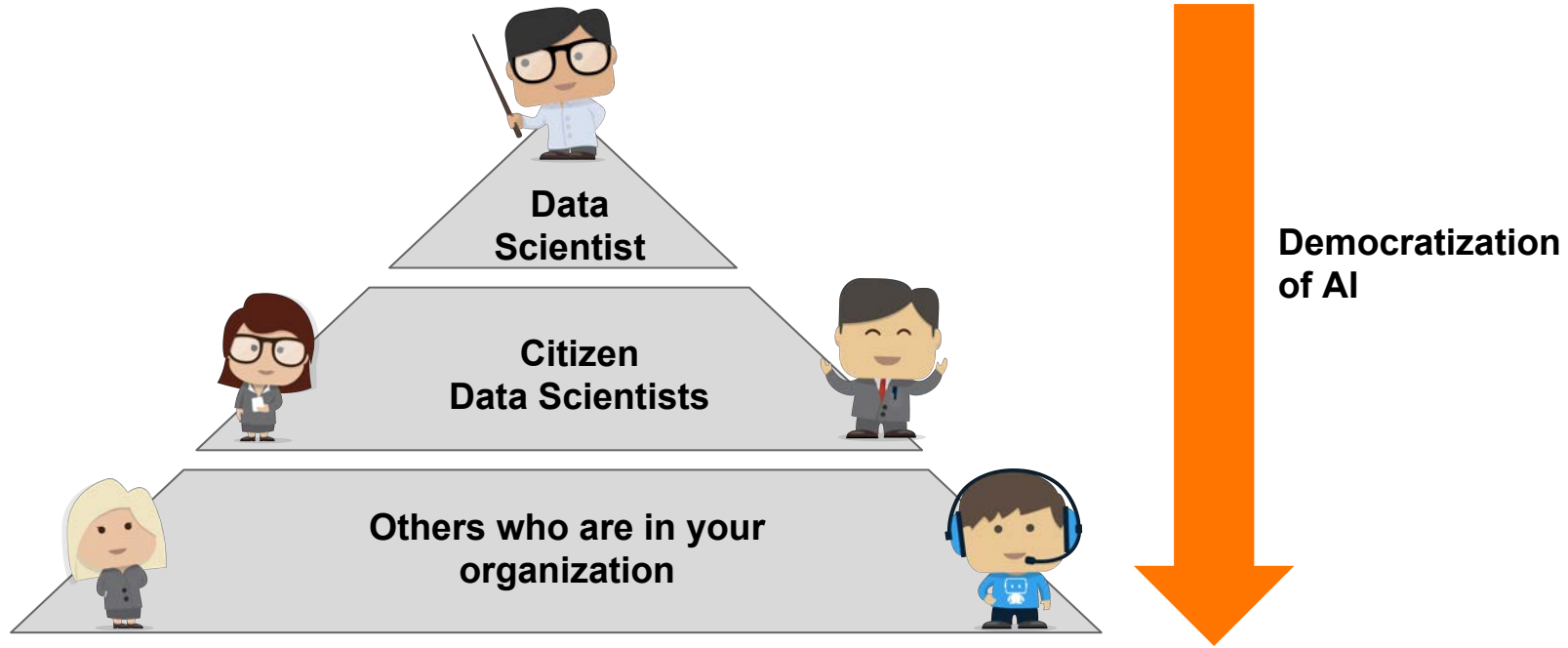
- **Statistical background**

- Algorithms
- Applying theory to practice

- Understanding business issues
- Expertise in available data available

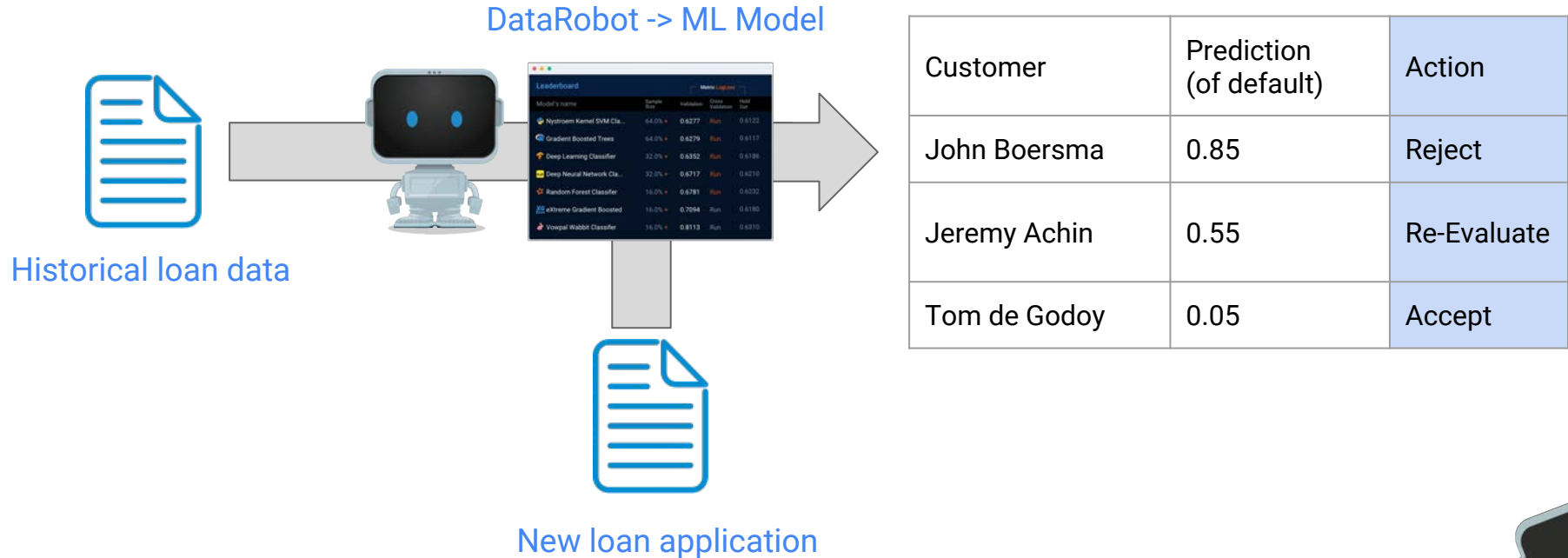


Can AI/ML be used by those who run business?



***Every person in the organization
should be able to spot opportunities
to capitalize on data science***

Input/output for demo



Risk Modeling Demo

