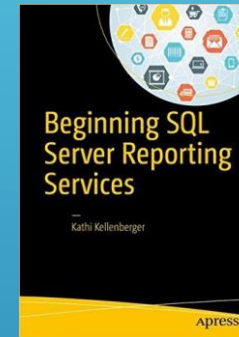
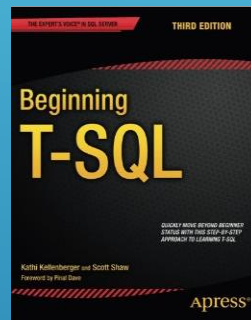


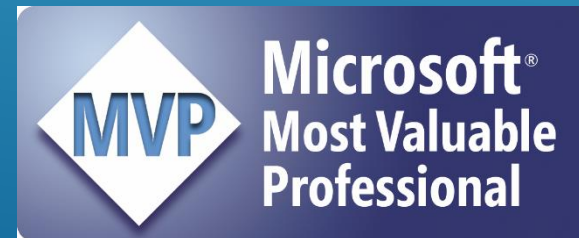
AZURE ML 101

Kathi Kellenberger
Redgate Software

- ▶ Lifelong learner
- ▶ Teacher
- ▶ Author
- ▶ Editor!



WHO AM I?



- ▶ What is machine learning?
- ▶ How to use Azure ML for free
- ▶ Demo!!
- ▶ Where to learn more about data science and machine learning

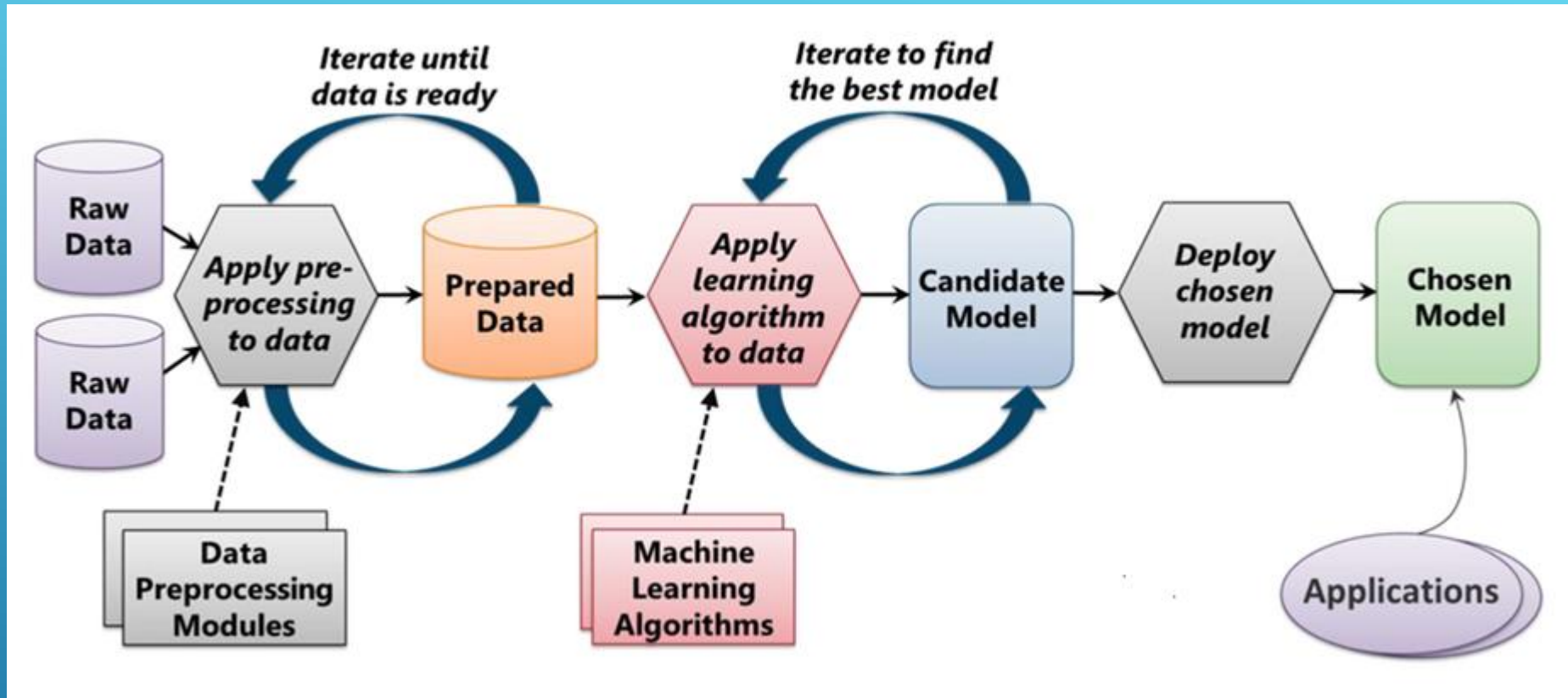
AGENDA



- ▶ Computers find patterns in data
- ▶ Use those patterns to make predictions
 - ▶ Fraud detection
 - ▶ Autonomous vehicles
 - ▶ Health outcomes
 - ▶ Movie recommendations



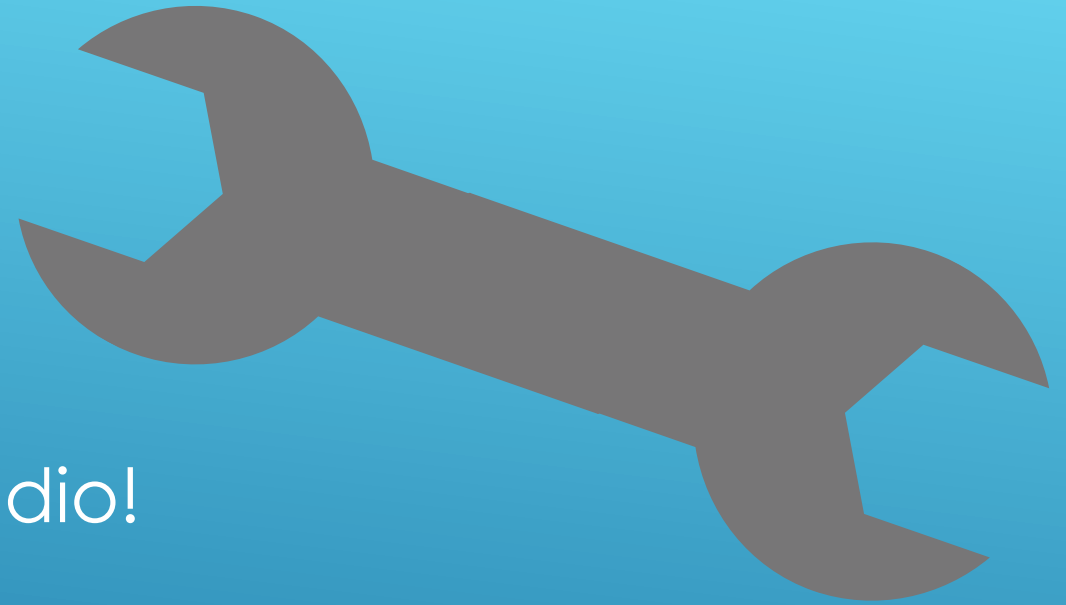
WHAT IS MACHINE LEARNING?



THE MACHINE LEARNING PROCESS

From "Introduction to Microsoft Azure" by David Chappell

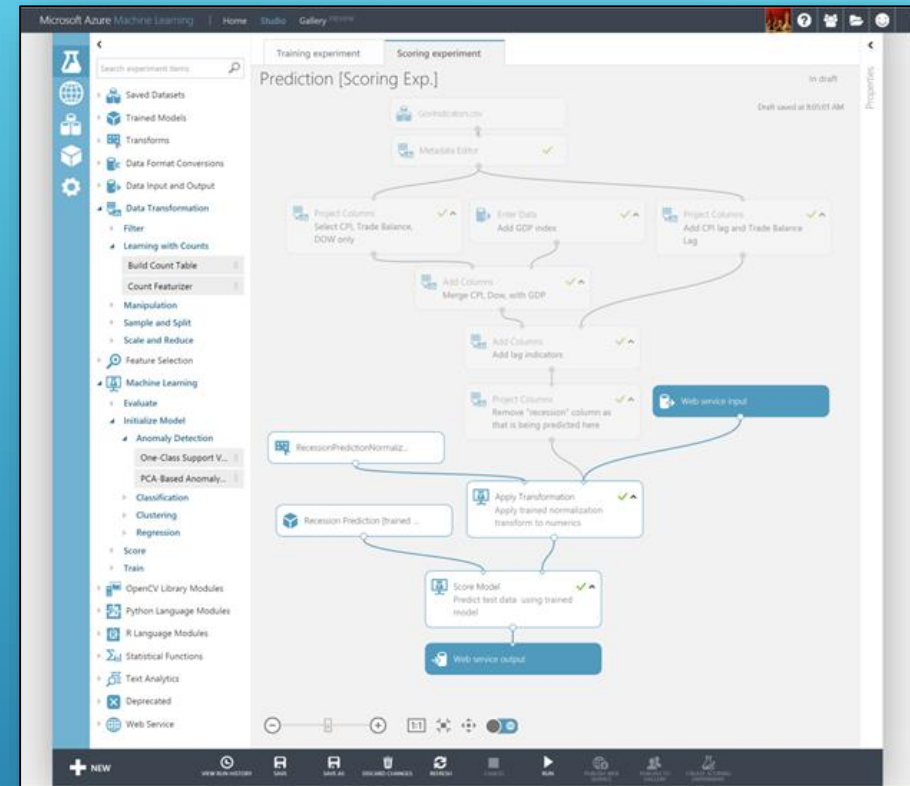
- ▶ R
- ▶ Python
- ▶ Visual F#
- ▶ Azure Machine Learning Studio!



TOOLS

- ▶ Built-in algorithms
- ▶ Drag and drop workflow
- ▶ Supports R, Python, SQL
- ▶ Quick and easy deployment

<http://studio.azureml.net>

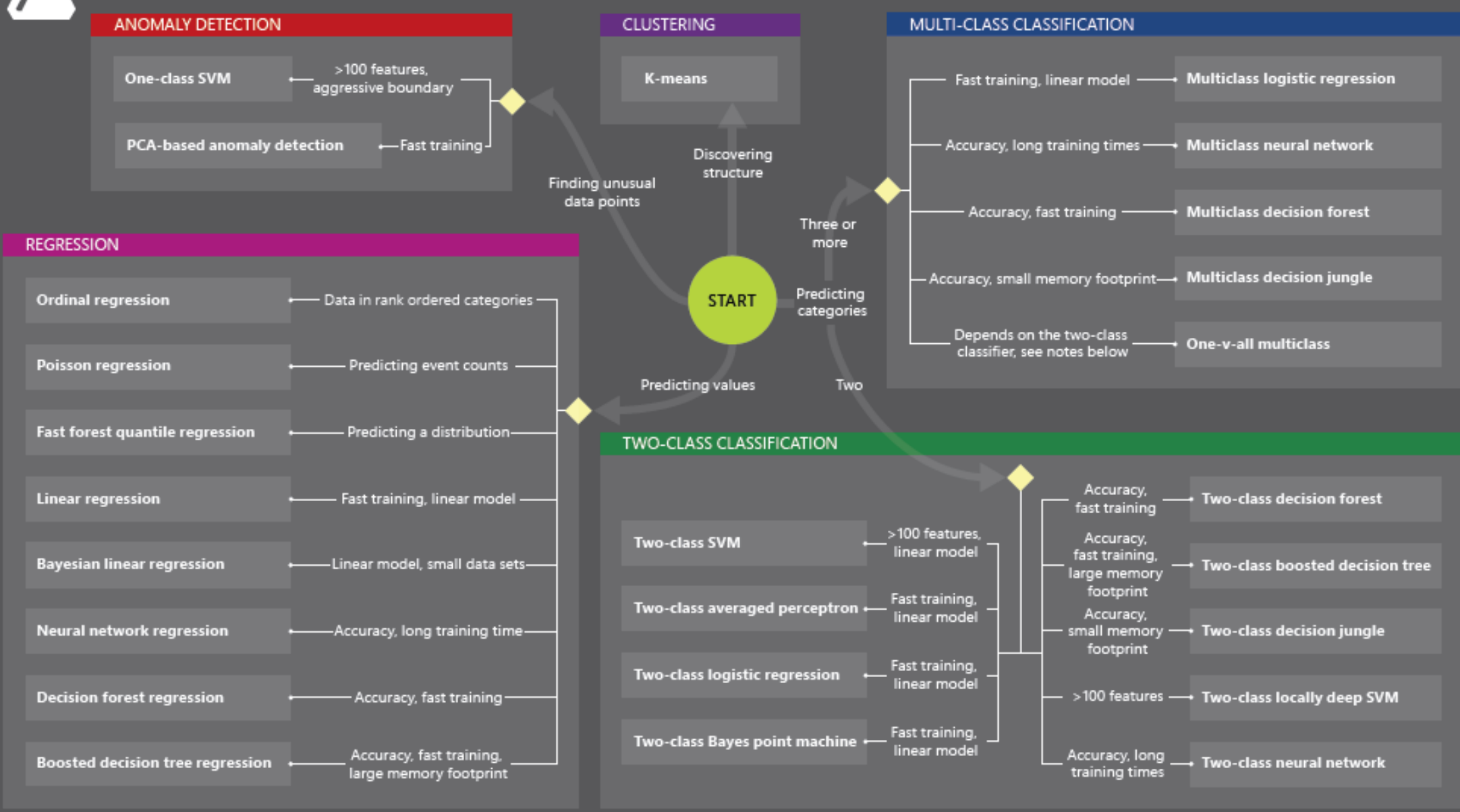


AZURE MACHINE LEARNING STUDIO



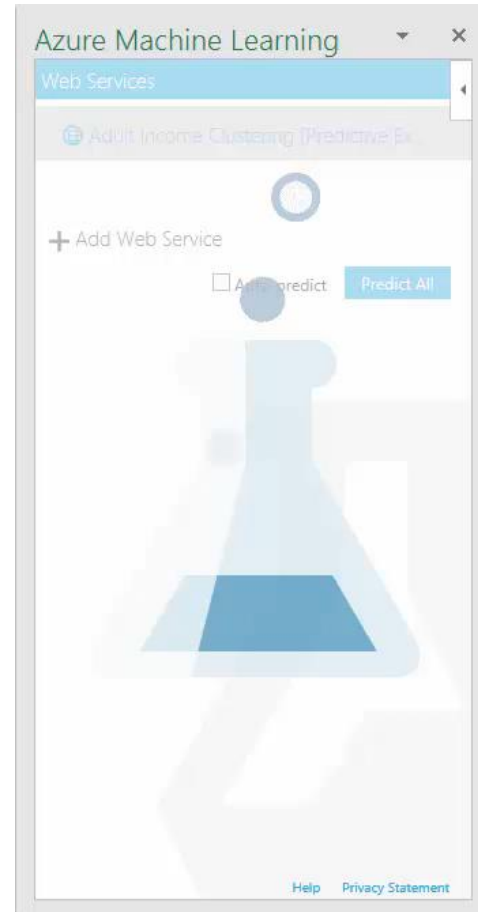
Microsoft Azure Machine Learning: Algorithm Cheat Sheet

This cheat sheet helps you choose the best Azure Machine Learning Studio algorithm for your predictive analytics solution. Your decision is driven by both the nature of your data and the question you're trying to answer.



<http://aka.ms/MLCheatSheet>

Demo!





11 Data Science Skills. 1.5 Million Jobs.

Opportunities for data scientists—one of today's hottest jobs—are rapidly growing in response to the exponential amounts of data being captured and analyzed. Companies hire data scientists to find insights and to solve meaningful business problems.

Microsoft Professional Program for Data Science

Microsoft consulted data scientists and the companies that employ them to identify the core skills they need to be successful. This informed the curriculum used to teach key functional and technical skills, combining highly rated online courses with hands-on labs, concluding in a final capstone project.

11

REQUIRED COURSES

8 - 12

HOURS PER COURSE

11

SKILLS

Enroll Now >

Links

- <https://academy.microsoft.com/en-us/professional-program/tracks/data-science/>
- Edx.org
- <https://aka.ms/amlexcel-addin>
- [http:// studio.azureml.net](http://studio.azureml.net)
- <http://aka.ms/MLCheatSheet>
- <https://blogs.technet.microsoft.com/machinelearning/>