



Exclusively for Seattle\*

	DOJO 2	DOJO 3	DOJO	GURU	SENSEI
Hands-on, in-person training	Days 1-2**	Days 3-5**	5 days	5 days	5 days
Breakfast, lunch, & refreshments	✓	✓	✓	✓	✓
Access to online portal	1 week	1 week	1 month	1 year	1 year
Access to course git repository	1 week	1 week	1 month	1 year	1 year
In-class Kaggle competition			✓	✓	✓
Lab manuals			✓	✓	✓
Access to Recorded Lectures				1 year	1 year
Reference books				✓	✓
Networking dinner				✓	✓
Deliberate practices				✓	✓
Office hours					✓
Mentored Kaggle competition					✓

**\$2999<sup>99</sup>   \$3499<sup>99</sup>   \$3799<sup>99</sup>   \$3999<sup>99</sup>   \$4499<sup>99</sup>**

All prices are in USD unless otherwise posted

\* Dojo 2 and Dojo 3 are offered only in Seattle.

\*\* Dojo 2 is comprised of days 1-2 and Dojo 3 is comprised of days 3-5. Visit <https://datasciencedojo.com/bootcamp/curriculum/> to see curriculum

**Note:** Training in California is pending California license approval. It will be a 4-day training and will not adhere to these packages. Packages offered in California will be \$2,499.99 or less, once approved.

## DISCOUNTS

### Early-bird Discount

Each discount tier has a limited number of seats on a first-come, first-serve basis. Once all the 15% off seats are sold, the discount will move down to the 10% off tier with another limited number of seats. After all discounted seats are sold, the remaining spots in the class will move to full price.

### Tier 1

**Chicago**  
3 seats left at **15% off!**

### Tier 2

**Chicago**  
5 seats left at **10% off!**

### Tier 3

**Chicago**  
13 seats left

### Group Discount

Registrations with 4 or more people at once, are eligible for an additional 5% group discount.

+ = 5% discount

Have an even bigger group? Contact us at [help@datasciencedojo.com](mailto:help@datasciencedojo.com)

### Flexible Payment Plan

Register with our no-interest, flexible payment plan. Pay an \$899.99 down-payment and the rest in 12 monthly installments.

**\$899<sup>99</sup>** + = **Total tuition**

<https://datasciencedojo.com/locations/flex/>



**Hands-on, in-person training**

See page 2 for a course outline.

**Breakfast, lunch, & refreshments**

We'll keep you fueled so you can focus on learning with coffee, refreshments, and various snacks throughout the day.

**Lab manuals**

Our 4 lab manuals include practical exercises to try throughout class.

1. *Applied Statistics for Data Mining and Machine Learning*
2. *Data Science in the Cloud*
3. *Big Data Tools for Analytics and Machine Learning*
4. *Real-Time Analytics for Business Intelligence*

**Access to online portal**

Solidify your learning by watching tutorials and studying exclusive content before/during/after the bootcamp.

**Access to course git repository**

This git repository contains code samples in R and python, sample datasets, slides, demos and other resources needed during and after the bootcamp.

**In-class Kaggle competition**

Data science is a hands-on skill. You will participate in an in-class Kaggle competition and compete with other members of your cohort. Winners are rewarded with cool prizes!

**Networking dinner**

Join us for a night of networking with dinner on us!

**Software subscription**

We will provide any software subscriptions needed for creating Hadoop clusters, message queues, real-time stream processors, and cloud-based machine learning during the bootcamp.

**Access to Recorded Lectures**

Watch recorded videos for all sessions after the bootcamp to revisit concepts.

**Reference books**

1. *Books include R for Everyone* by Jared P. Lander
2. *The Cartoon Guide to Statistics* by Larry Gonick and Woollcott Smith
3. *Predictive Analytics* by Eric Siegel.

**Office hours**

Have questions with any of the topics covered in the bootcamp? We can help with two half-hour sessions with one of our instructors.

**Mentored Kaggle competition**

After the bootcamp, we will ask you to form a team of 3-4 other cohort members to participate in another Kaggle competition. You will be mentored by our experienced mentoring team.

**Deliberate practices**

Get exclusive industry insight from our instructors on the best practices when applying data science.

COURSE OUTLINE

**Prerequisites**

You should have interest in data science and data engineering and knowledge of at least one programming language. However, many of our attendees come to us with little to no programming experience. Our pre-bootcamp materials will get you where you need to be to hit the ground running.

**Duration**

5 days of in-person training including an IoT project

**Format**

- 50% Lectures + 50% Labs, Exercises, and Demos
- 10 hours of pre-bootcamp coursework
- 50 hours of in-class training
- 10 hours of (optional) post-bootcamp coursework
- Mentored Kaggle project participation

**Course Outline**

**Preparatory Material (via webinars)**

- Introduction to Big Data, Data Science, and Predictive Analytics
- Introduction to Azure ML Studio
- Fundamentals of Data Mining
- Introduction to R Programming
- Introduction to Amazon Machine Learning

**Fundamentals of Data Science**

- Data Exploration, Visualization, and Feature Engineering
- Hands-On Labs: Data Exploration, Visualization, and Feature Engineering
- Machine Learning Fundamentals

**Classification Algorithms**

- Introduction to Predictive Modeling
- Decision Tree Learning
- Logistic Regression
- Naïve Bayes
- Hands-On Lab: Building a Classifier

**Recommender Systems**

- Text Analytics
- Content-Based and Collaborative Filtering
- Evaluation of Recommendation Systems. DCG, nDCG
- Hands-On Lab

**Ensemble Methods**

- Bootstrapping, Bagging, and Boosting
- AdaBoost
- Random Forests
- Hands-On Lab: Building a Random Forest Classifier

**Operationalizing Machine Learning Models**

- Metrics and Methods for Evaluating Classification and Regression Models
- Tuning Machine Learning Algorithm Parameters
- Hands-On Lab: Building a Classification Model in Azure ML Studio
- Hands-On Lab: Deploying a Predictive Model as a Service

**Fundamentals of Big Data Engineering**

- Introduction to Large-Scale Online Systems
- Hive Tutorial
- Hands-On Labs: Creating a Hadoop Cluster and Writing Hive Queries

**Handling Real-Time and Streaming Data**

- Message Queues and Real-time Analytics
- Hands-On Lab: Creating a Streaming Analytics Pipeline

**Distributed Databases and Data Warehousing**

- Hands-On Lab: Setting Up Relational Databases in the Cloud
- NoSQL Databases and HBase
- Hands-On Lab: Twitter and HBase

**Data Science Essentials**

- Introduction to Online Experimentation and A/B Testing

*cont.*

**Regression Algorithms**

- Linear Regression
- Regularized Regression Models
- Hands-On Lab: Building a Regression Model

**Unsupervised Learning**

- K-Means Clustering
- Hands-On Lab: Using K-Means Clustering

**Data Science Using Amazon Machine Learning**

- Hands-On Lab: Loading and Visualizing Data
- Hands-On Lab: Building and Evaluating a Predictive Model
- Hands-On Lab: Deploying a Real-Time Prediction Endpoint

**IoT Project**

During the bootcamp, spend time building an 'Internet of Things' solution using Azure EventHubs, Azure Stream Analytics, Power BI and Azure ML studio. You will be using a smartphone to obtain real-time accelerometer data and observe various analytics in a cloud BI dashboard in real-time.

