The Joys of JavaScript

Data Boot Camp
Lesson 14.1

Today's Class

Objectives

In today's class we'll be covering JavaScript fundamentals:

Arrays

Conditionals

Loops

Functions

Objects

Why JavaScript?

Dynamic Visualizations

Why JavaScript?

IoT & the Cloud
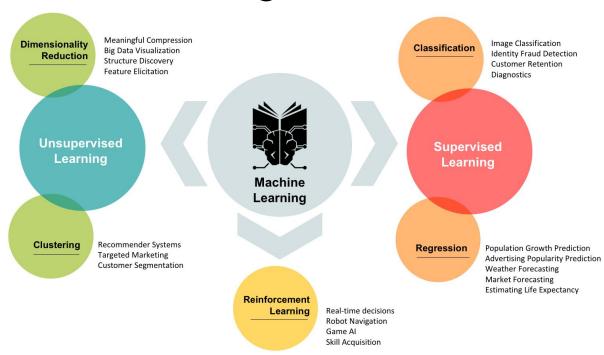
Machine Learning in the Browser

Dimensionality Reduction
Meaningful Compression
Big Data Visualization
Structure Discovery
Feature Elicitation

Unsupervised Learning

Clustering
Recommender Systems
Targeted Marketing
Customer Segmentation

Machine Learning

Reinforcement Learning
Real-time decisions
Robot Navigation
Game AI
Skill Acquisition

Classification
Image Classification
Identity Fraud Detection
Customer Retention
Diagnostics

Supervised Learning

Regression
Population Growth Prediction
Advertising Popularity Prediction
Weather Forecasting
Market Forecasting
Estimating Life Expectancy

How to Learn JavaScript

Your Brain on JavaScript

Advice: Start Slow

Eventually, This Will Be You:

Talk to us if you need extra help!

General Tips

Review Immediately: We'll be building upon these concepts quickly. The firmer your grasp now, the better off you'll be.

Redo the Exercises in Class: Don't just reread! Actually spend the time to redo them from scratch on your own.

Get Help: Come to office hours. Ask conceptual questions. Ask specific questions. Just keep asking questions!

Don't Be Afraid: You will get this. It will take time, but you will get this. Just keep at it. Patience will pay off.

<Time to Code>