Lesson 33: Perceptron
Data Science with Python – BSc Course
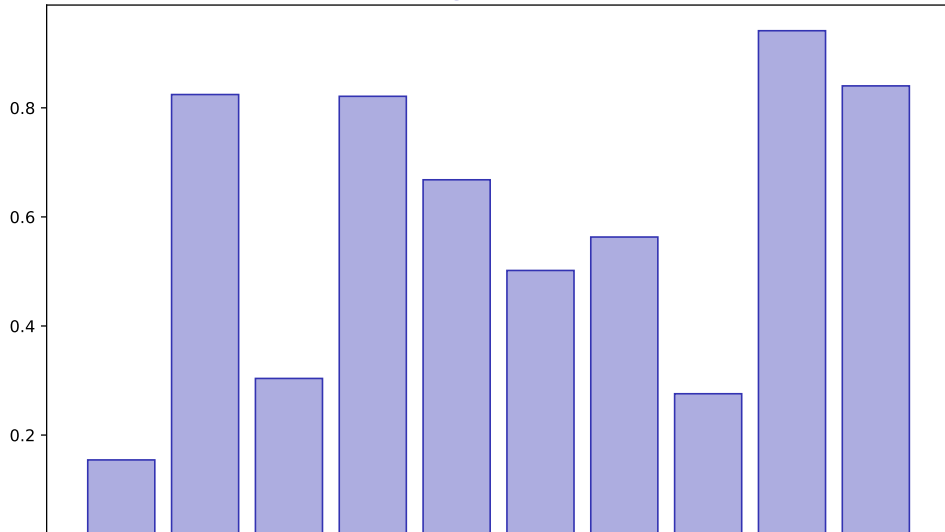
45 Minutes
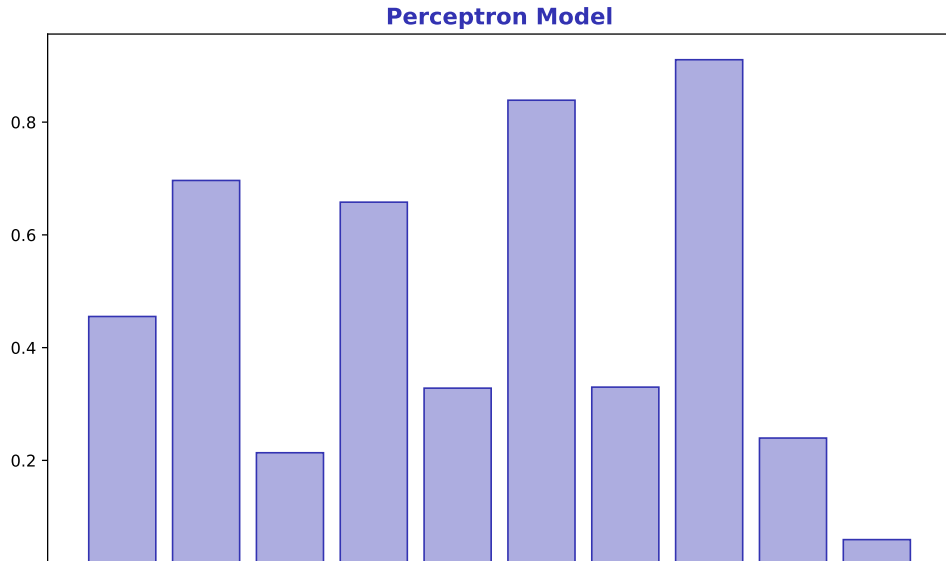
Learning Objectives
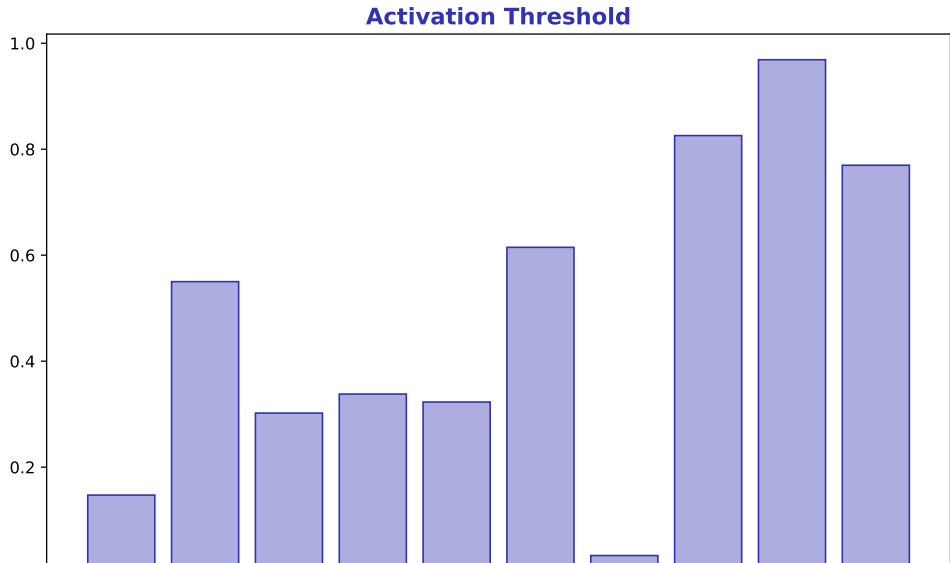
After this lesson, you will be able to:

- Understand biological inspiration
- Build single perceptron
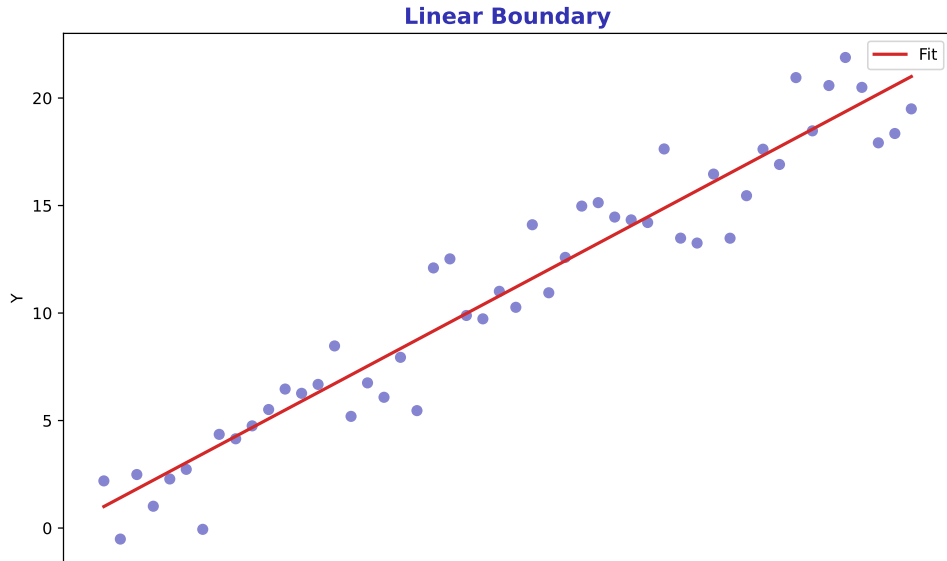- Recognize linear limitations
- Prepare for deep learning

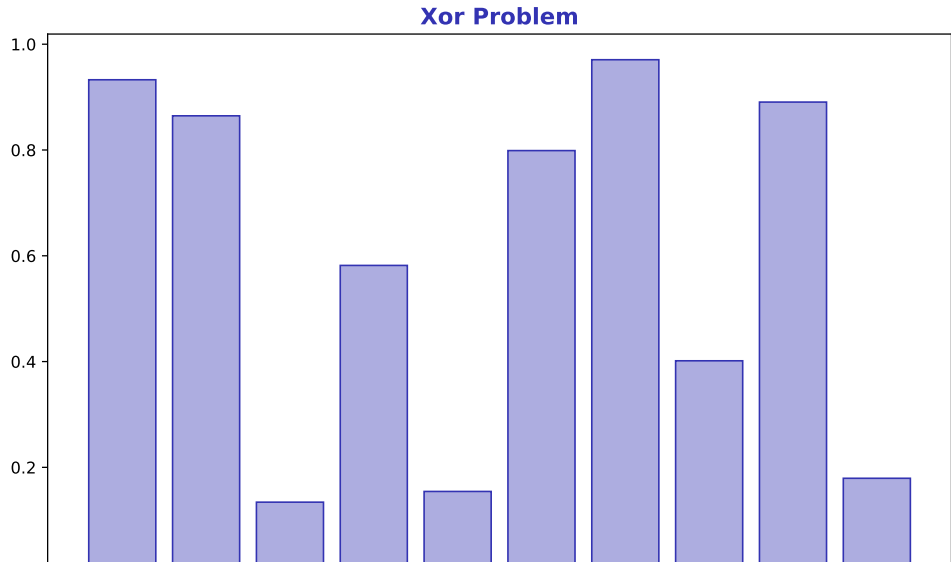**Building towards your final project**

Biological Neuron

Perceptron Model

Activation Threshold

Activation Threshold

Linear Boundary

Xor Problem

Xor Problem

Perceptron Learning

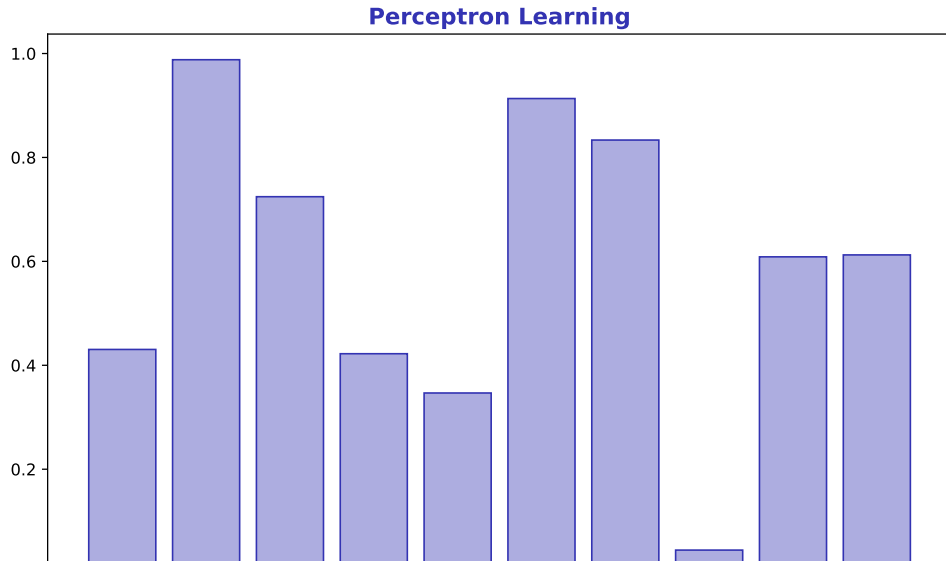Convergence

Finance Perceptron
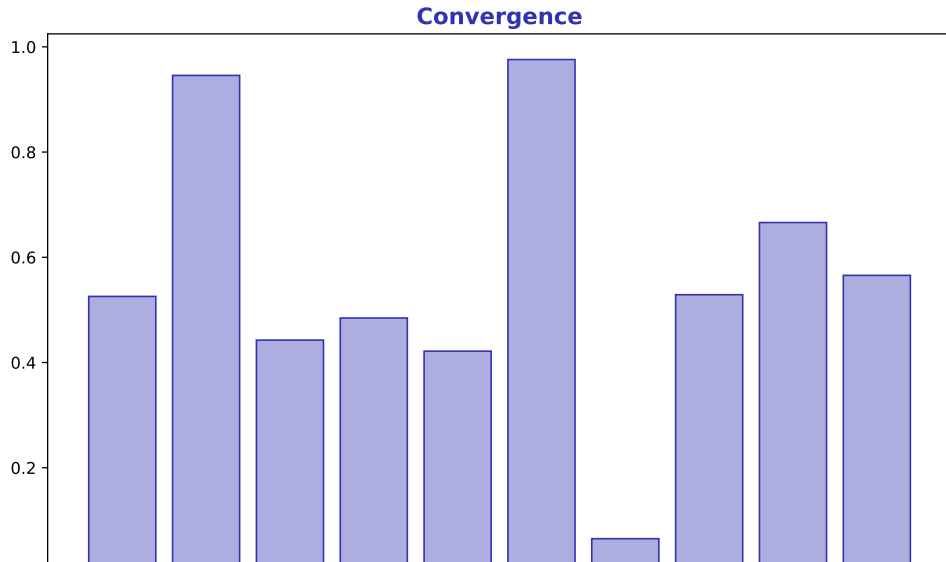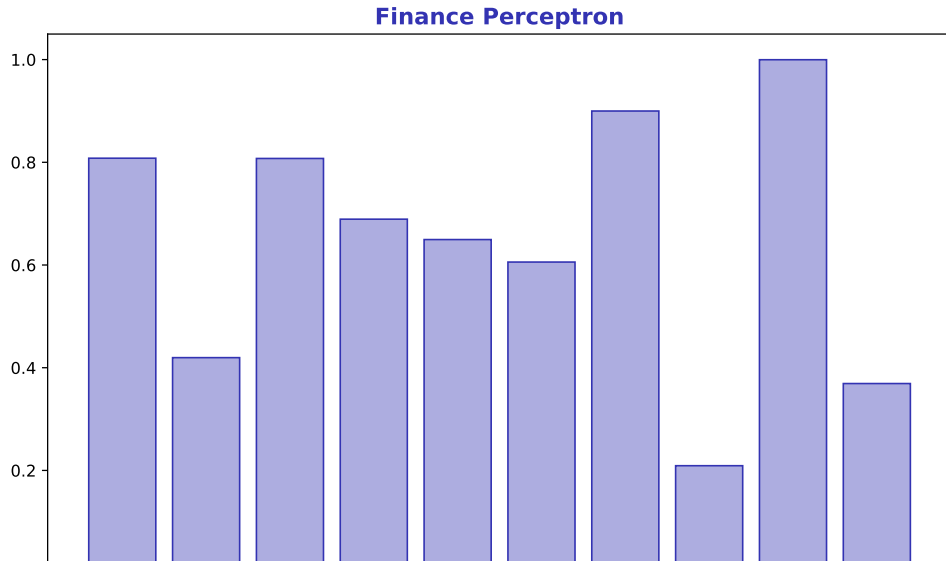
Lesson Summary

Key Takeaways:

- Understand biological inspiration
- Build single perceptron
- Recognize linear limitations
- Prepare for deep learning

Apply these skills in your final project