

Lesson 25: Logistic Regression

Data Science with Python – BSc Course

45 Minutes

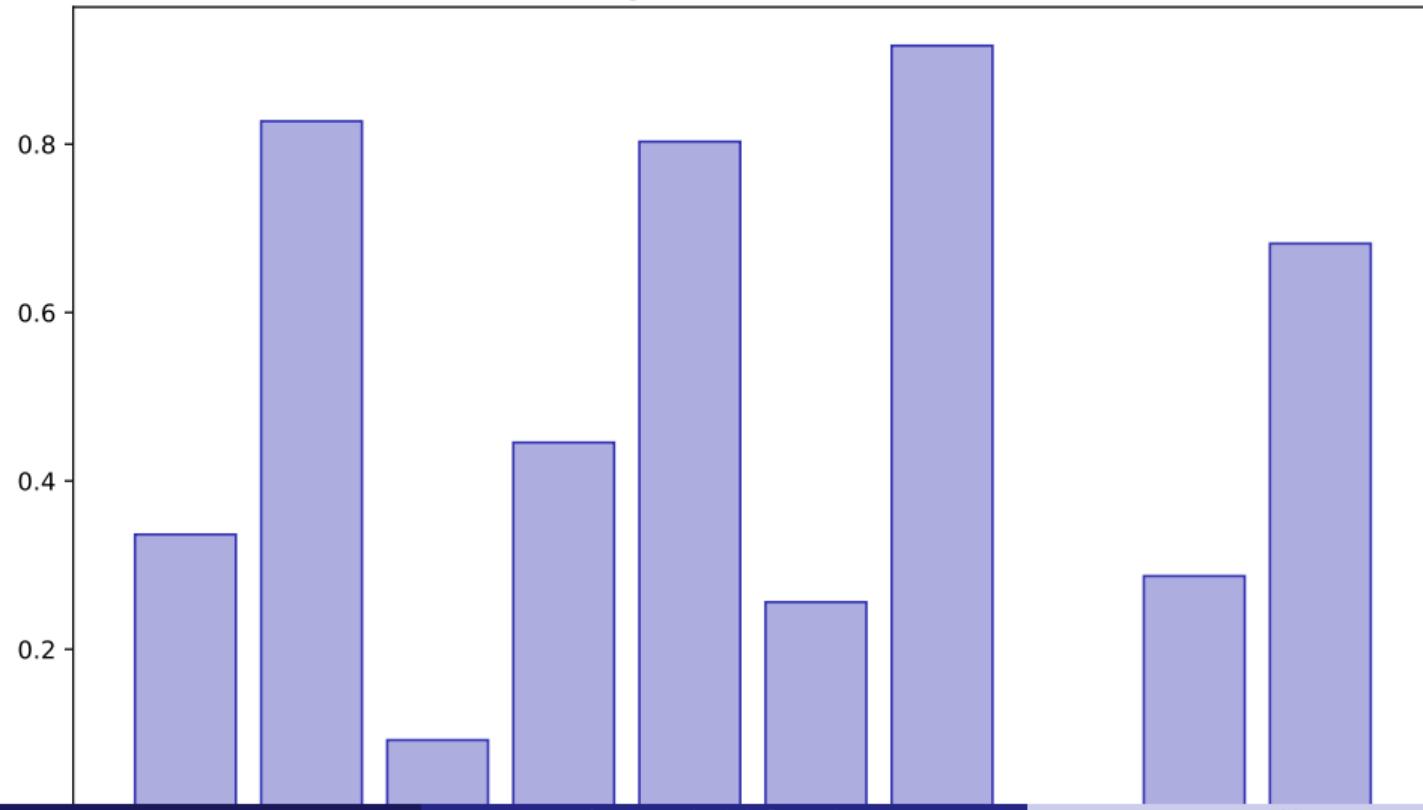
After this lesson, you will be able to:

- Understand sigmoid function
- Build binary classifiers
- Interpret odds ratios
- Predict market direction

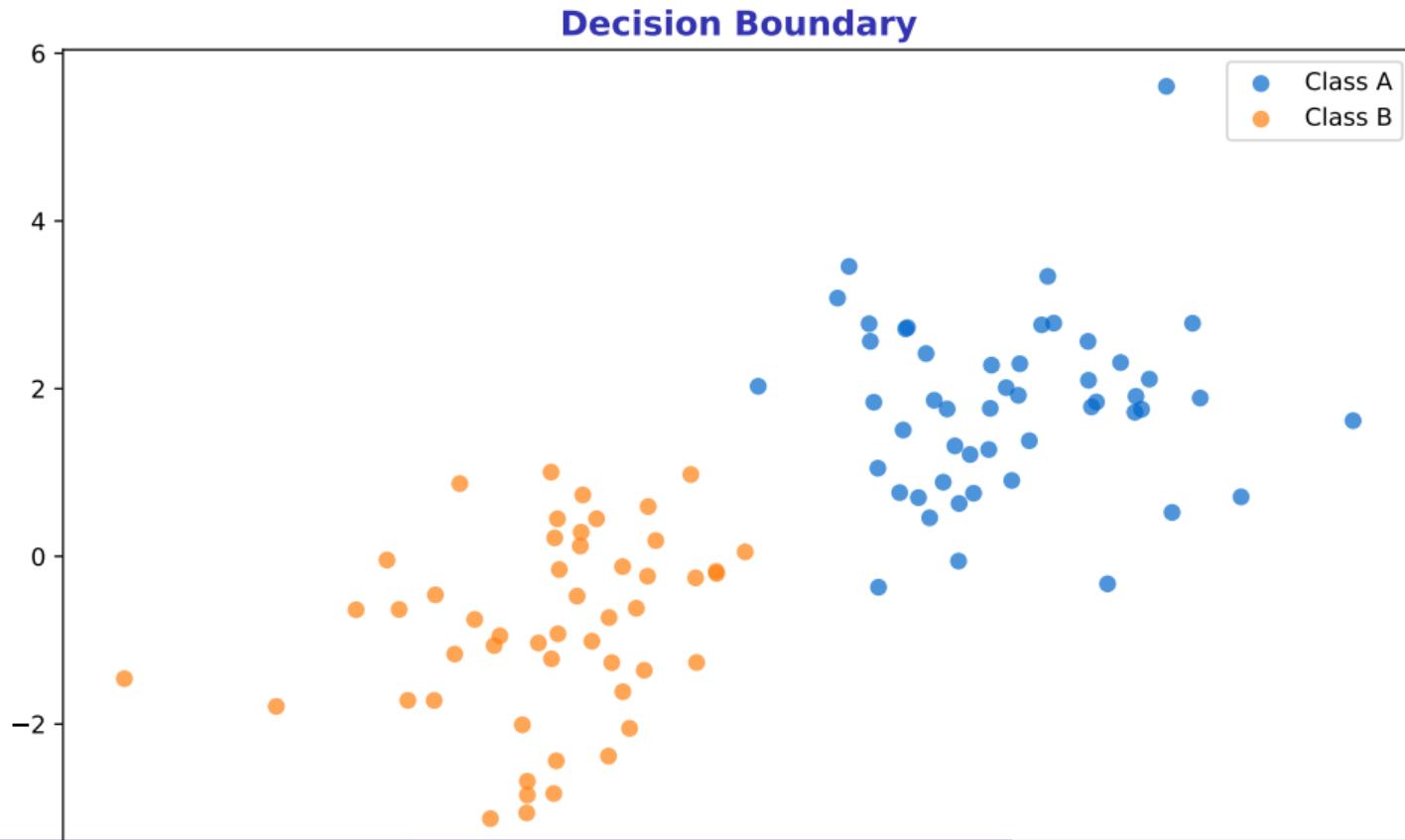
Building towards your final project

Sigmoid Function

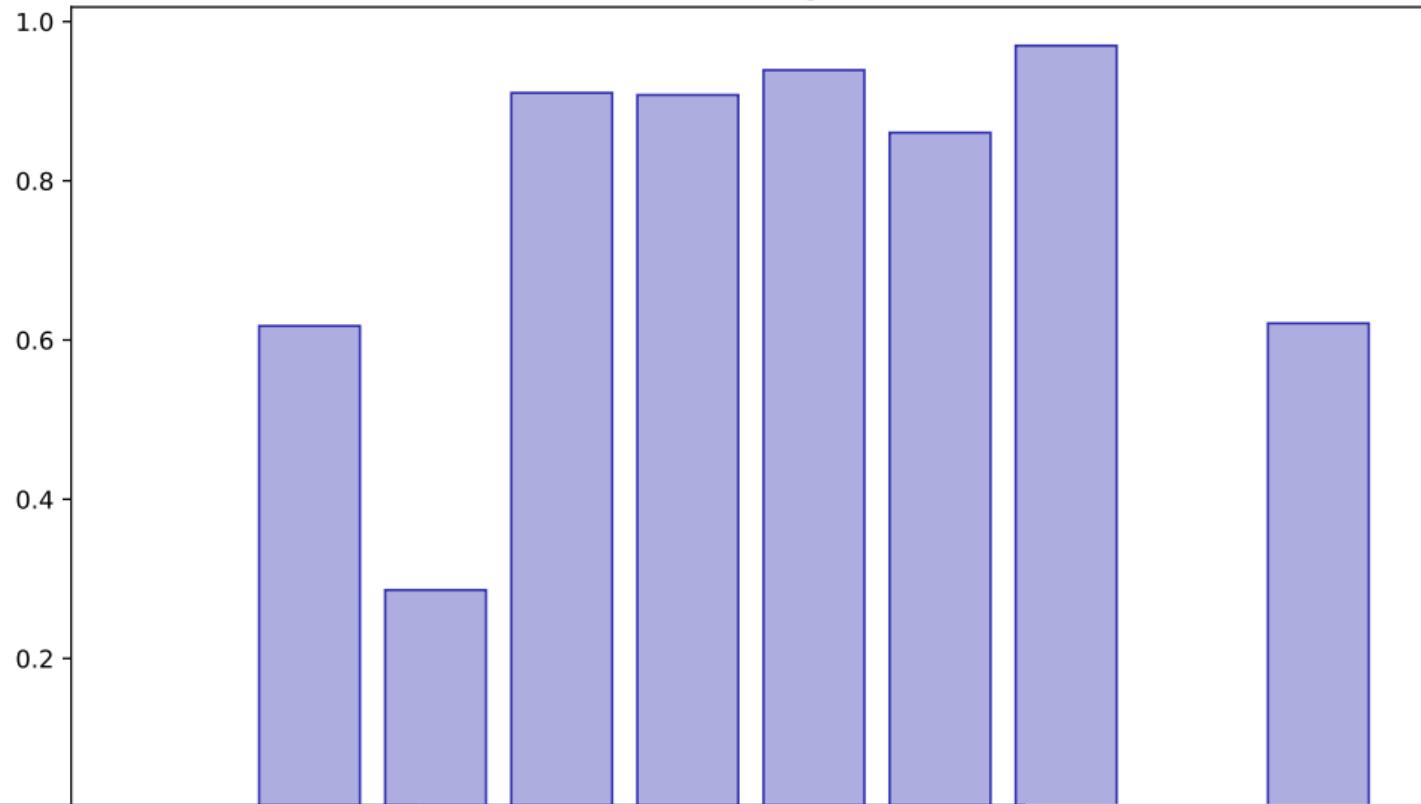
Sigmoid Function



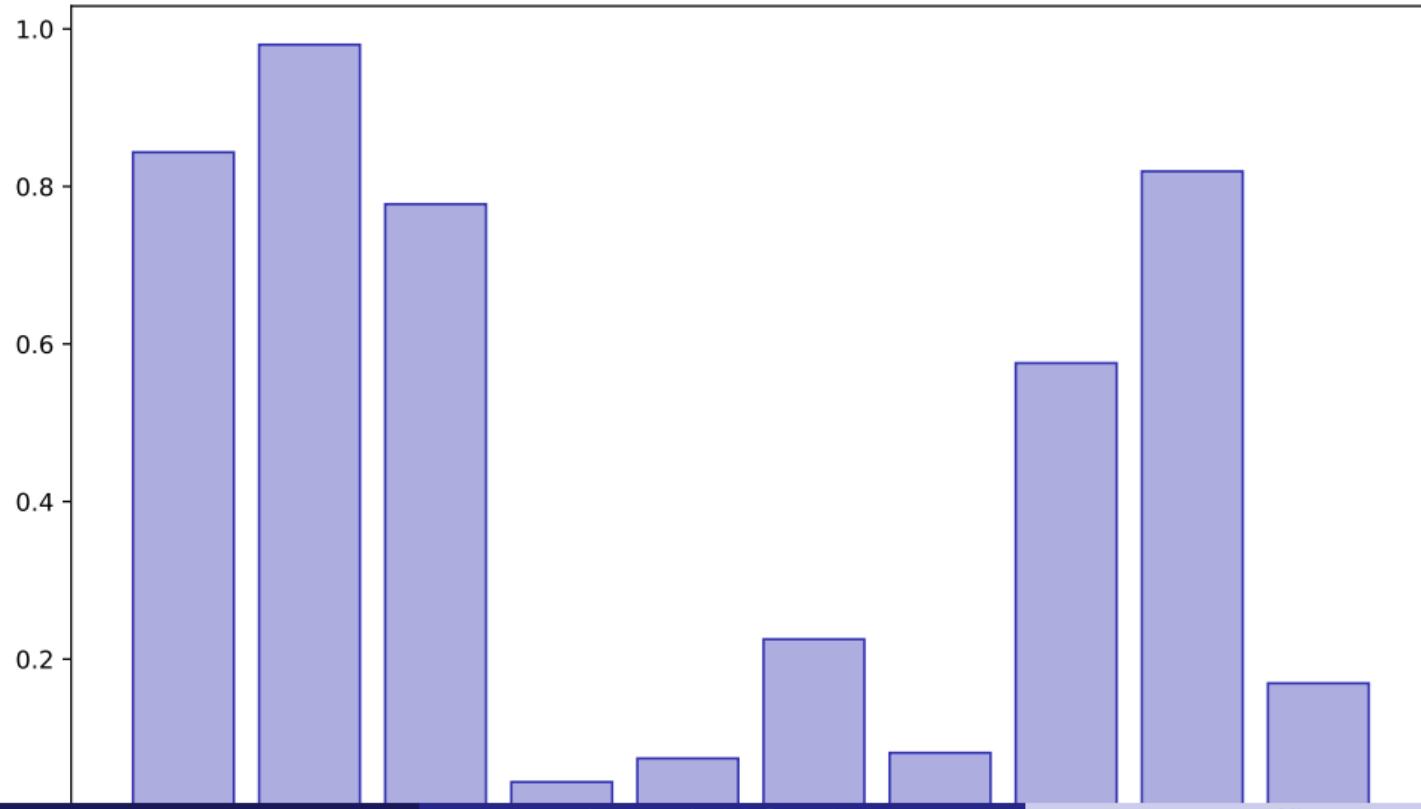
Decision Boundary



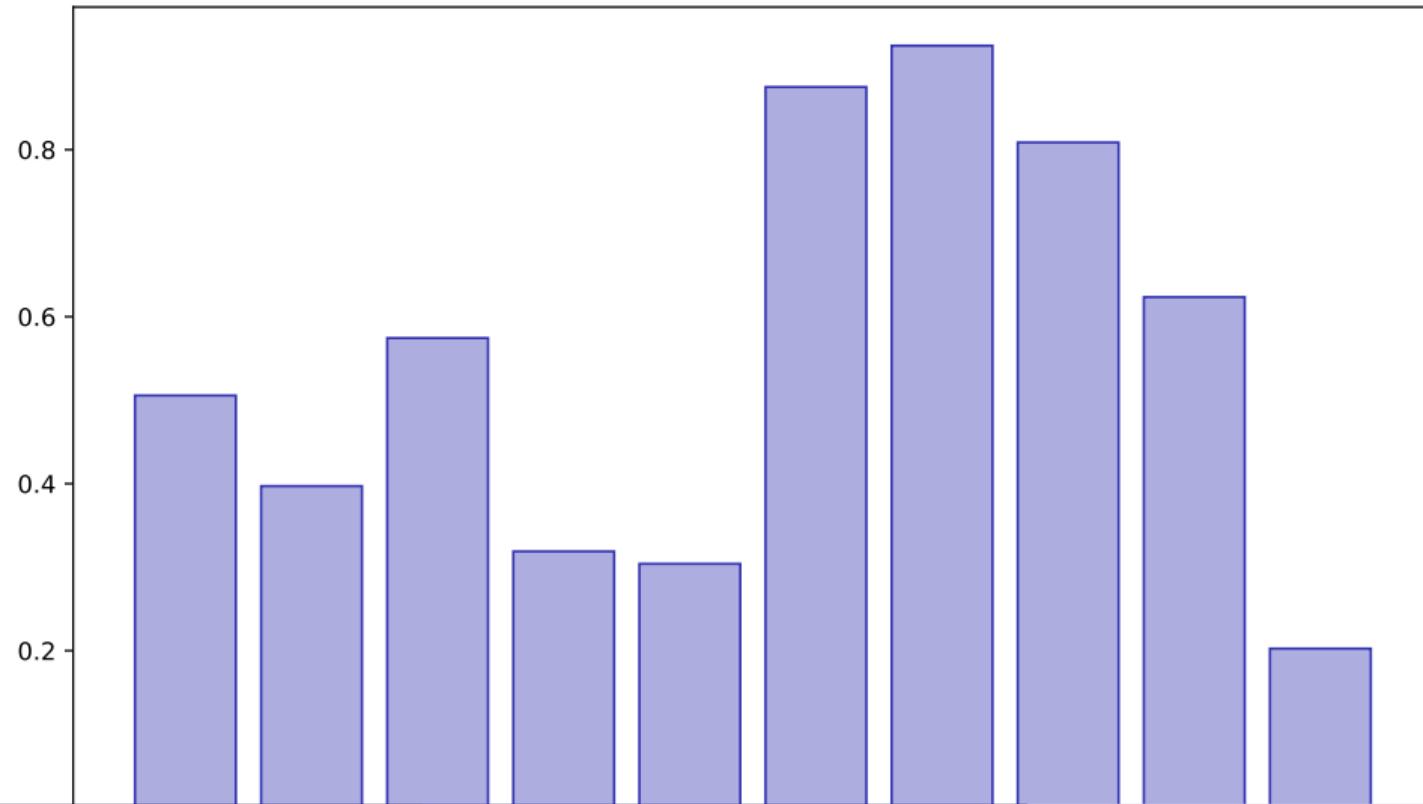
Sklearn Logistic



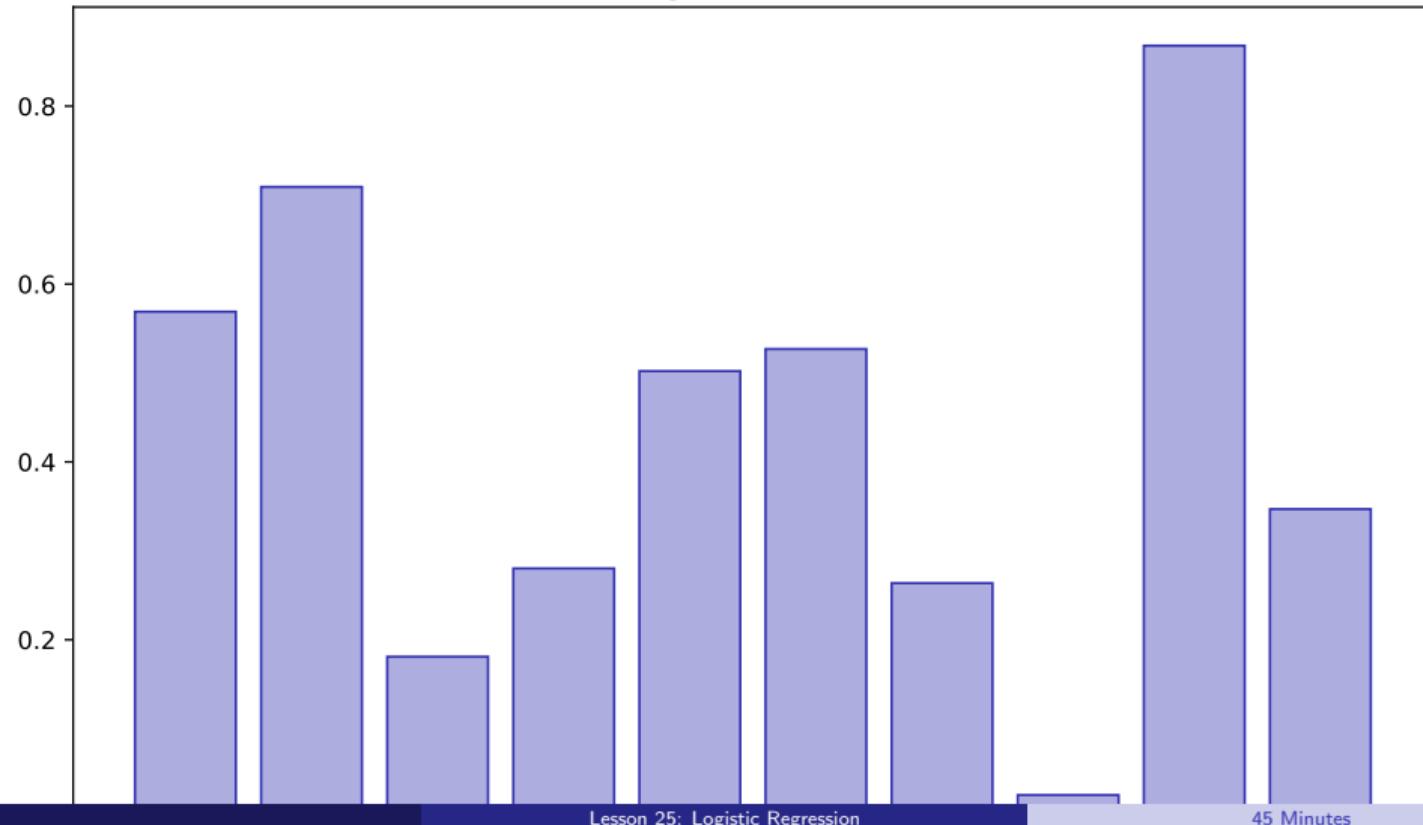
Odds Ratio



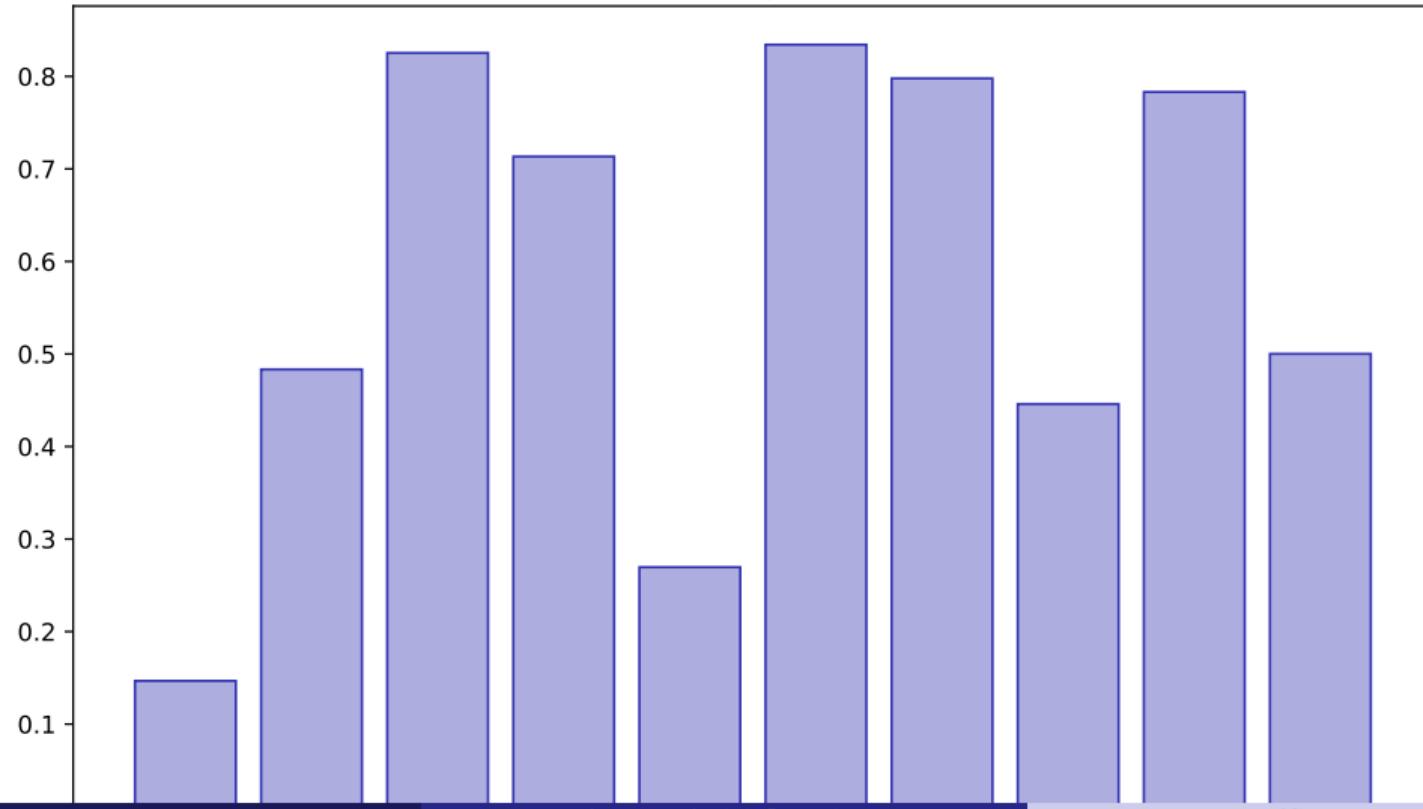
Multiclass



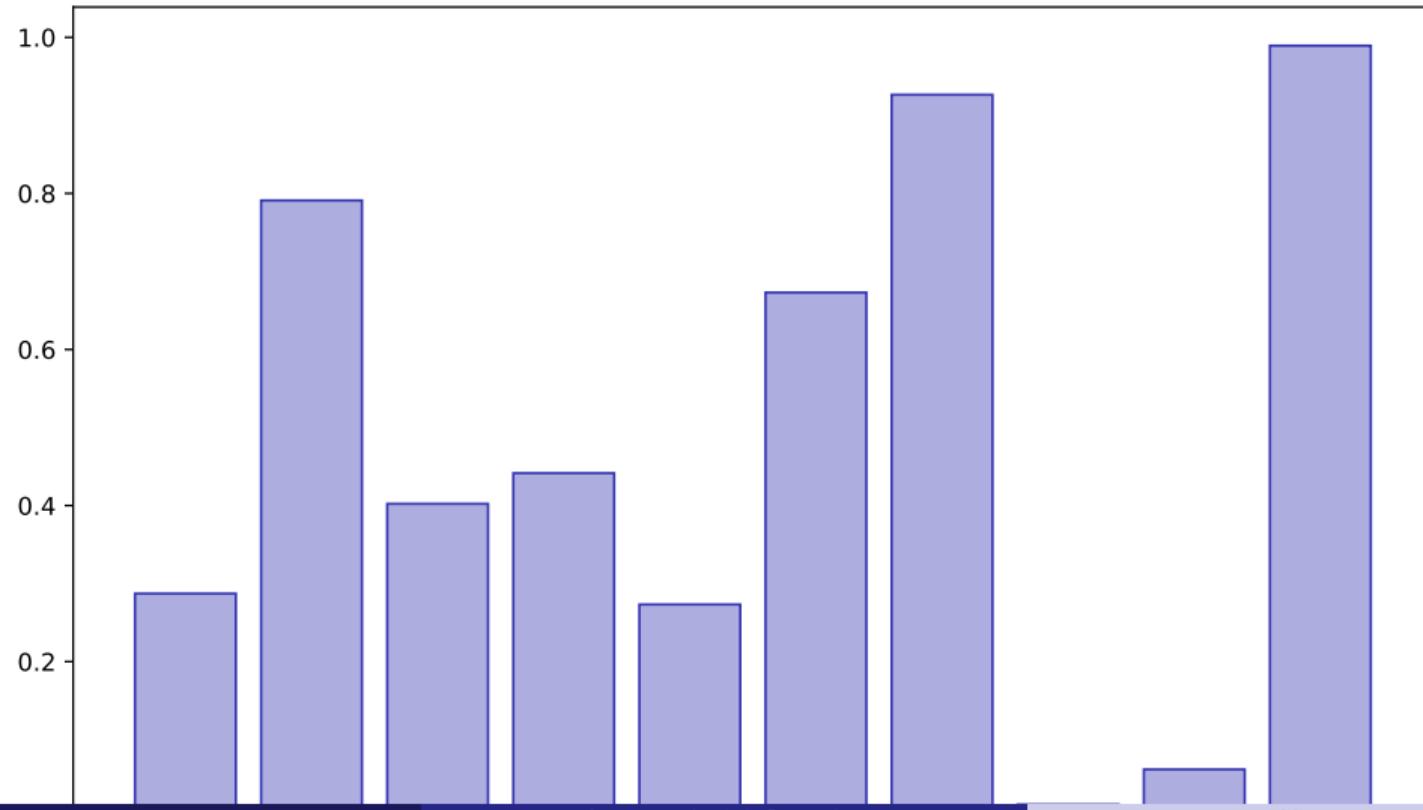
Regularization



Probability Output



Market Direction



Key Takeaways:

- Understand sigmoid function
- Build binary classifiers
- Interpret odds ratios
- Predict market direction

Apply these skills in your final project