

## Lesson 31: PCA Dimensionality Reduction

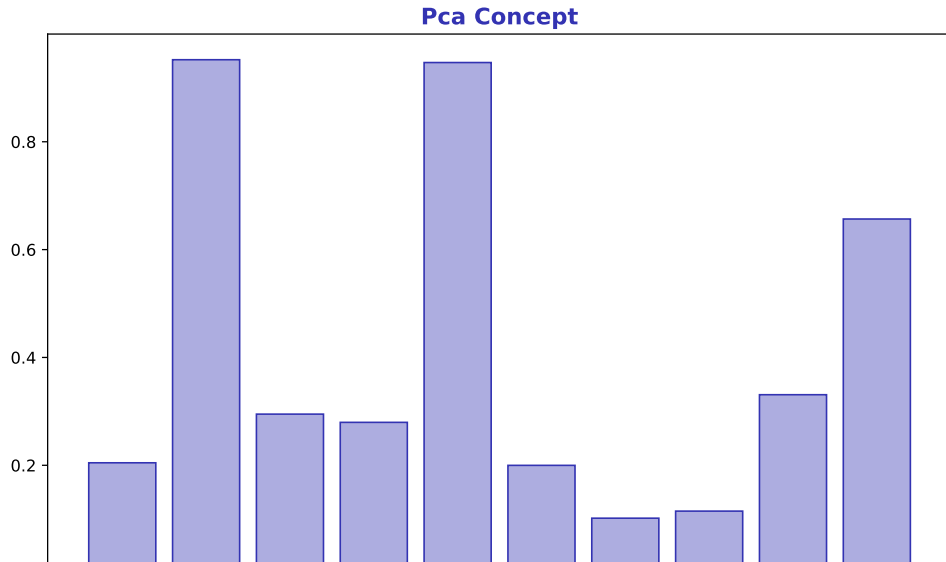
Data Science with Python – BSc Course

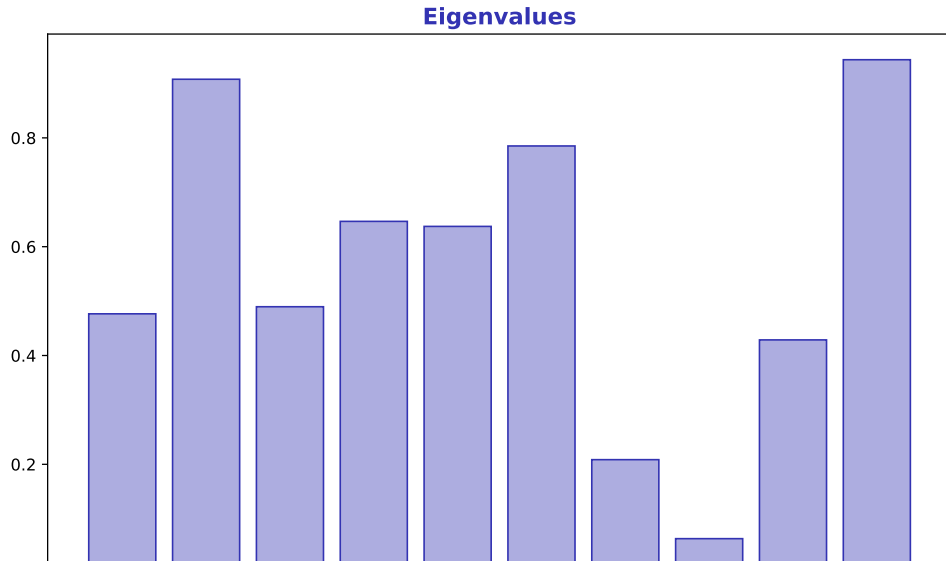
45 Minutes

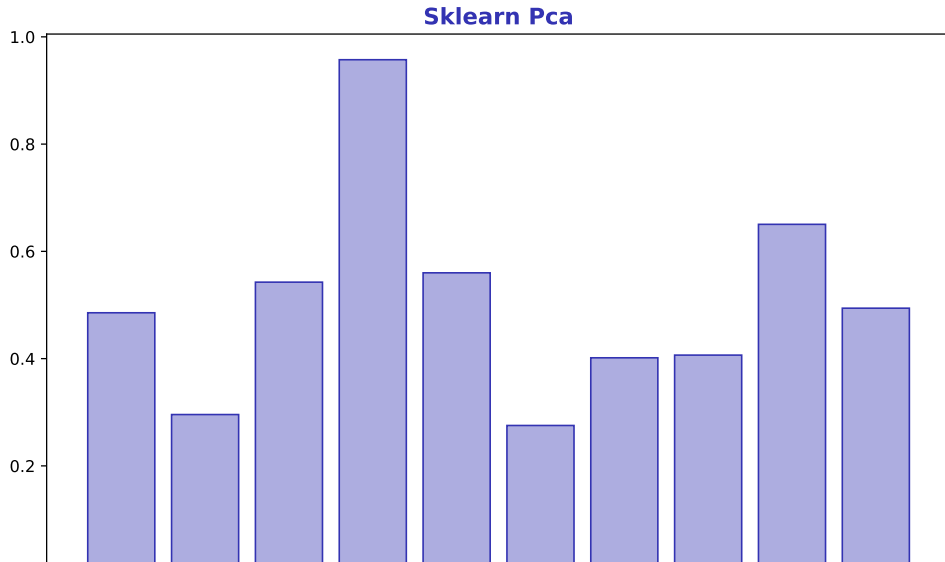
**After this lesson, you will be able to:**

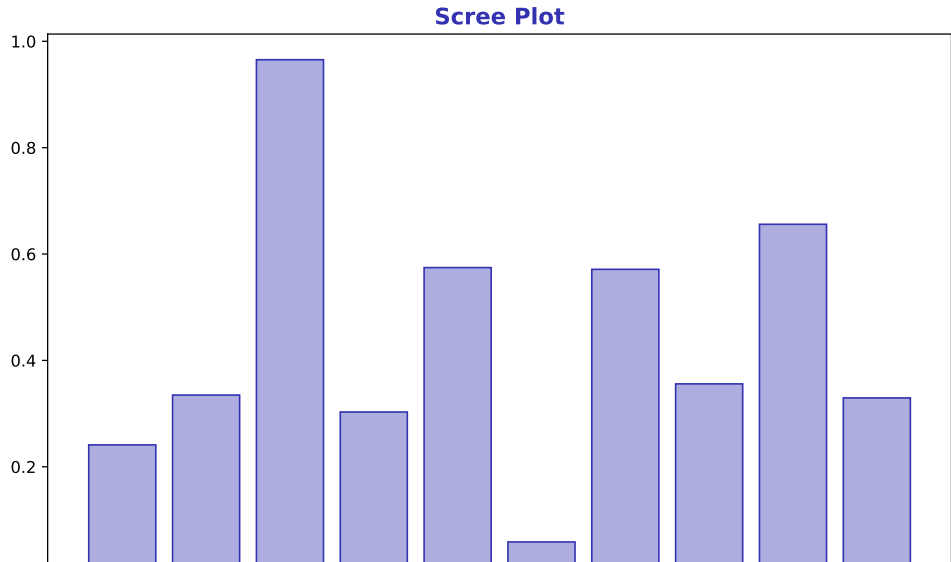
- Understand principal components
- Apply PCA with sklearn
- Interpret explained variance
- Reduce feature dimensions

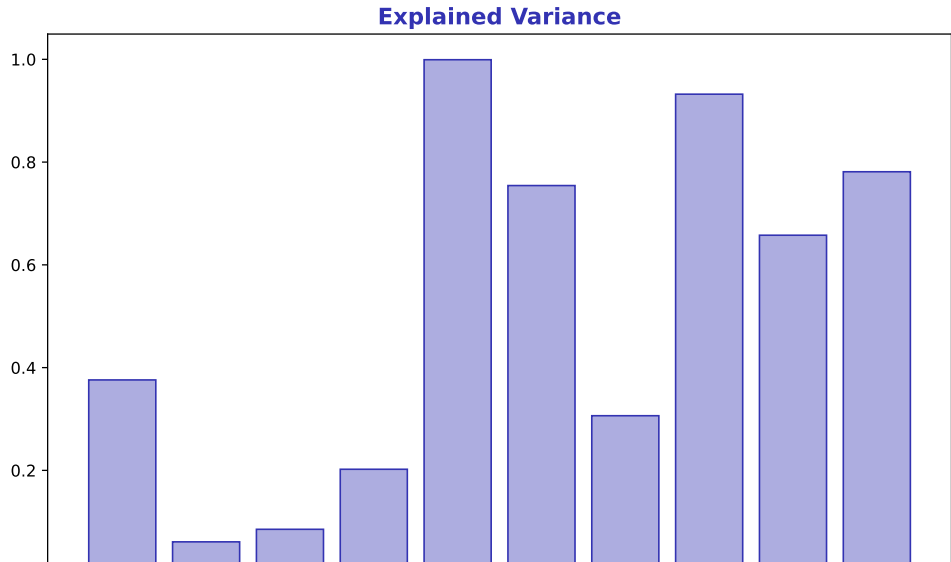
**Building towards your final project**

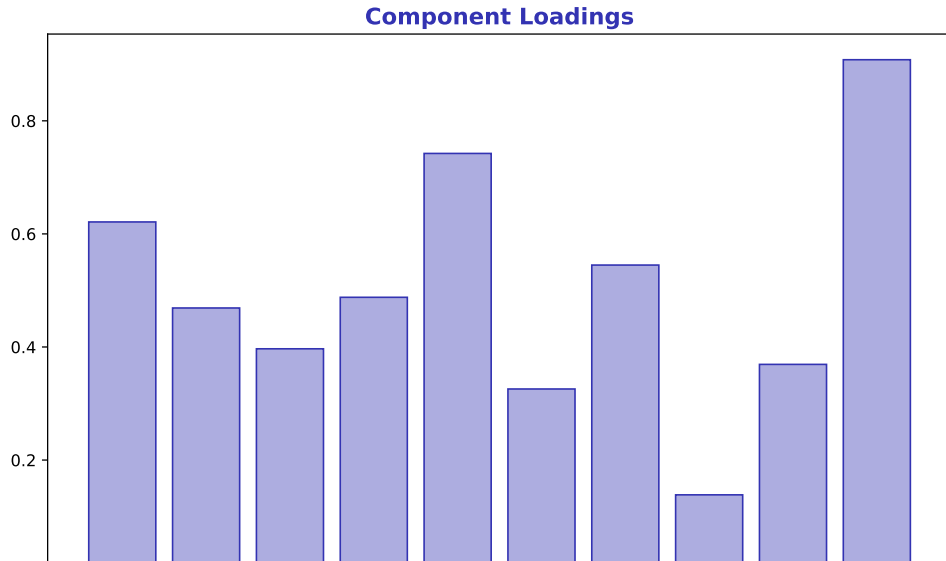




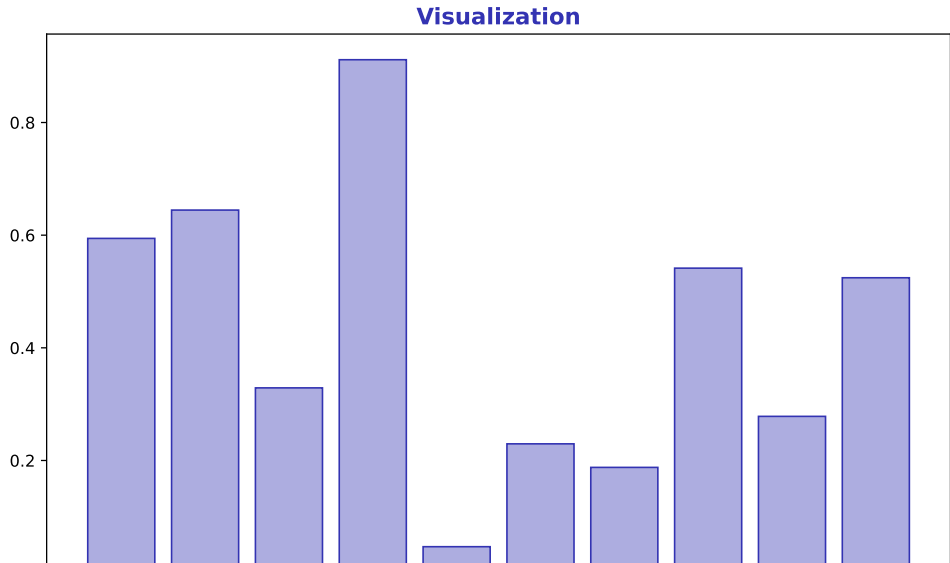


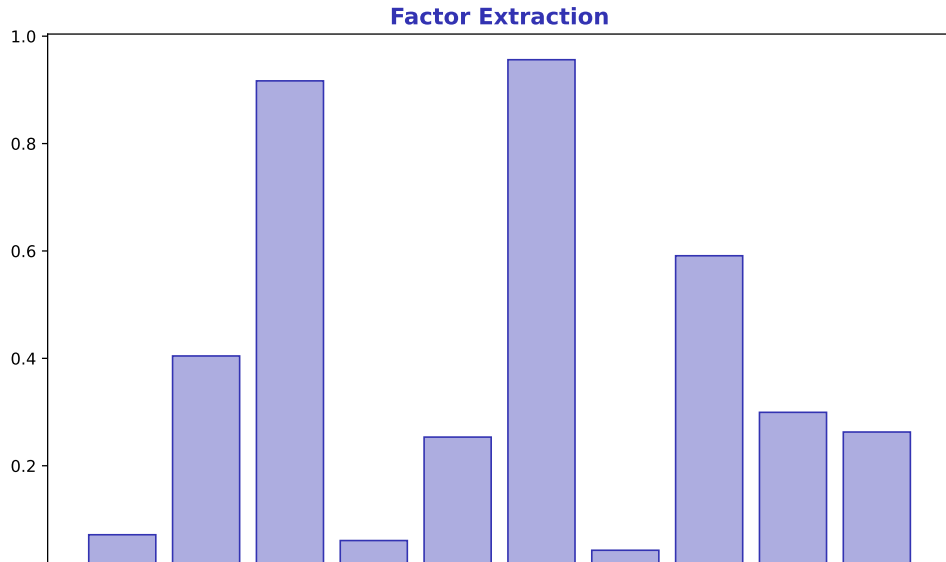












## Key Takeaways:

- Understand principal components
- Apply PCA with sklearn
- Interpret explained variance
- Reduce feature dimensions

Apply these skills in your final project