Self-Reflect

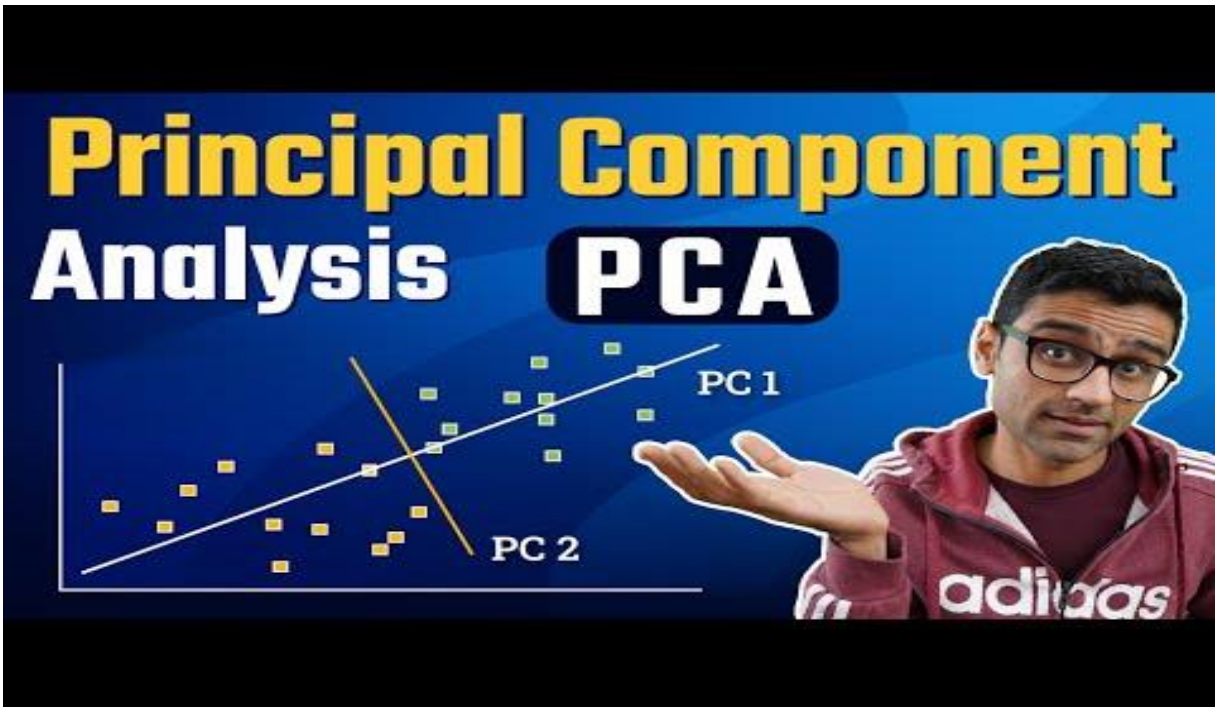
For this unit site, I understand why it reduces data dimensionality and the knowledge of principal component analysis. So, learn the concept of PCA, which is a linear dimensionality reduction technique that can be used to extract information from high-dimensional spaces.

Principal Component Analysis (PCA) is a widely used unsupervised machine learning algorithm with diverse applications, including exploratory data analysis, dimensionality reduction, information compression, and data denoising

Resources:

https://www.datacamp.com/tutorial/principal-component-analysis-in-python , Jan 2020 ,**Aditya Sharma.**

Machine Learning Tutorial Python - 19: Principal Component Analysis (PCA) with Python Code


Principal Component
Analysis PCA
PC 1
PC 2
adidas

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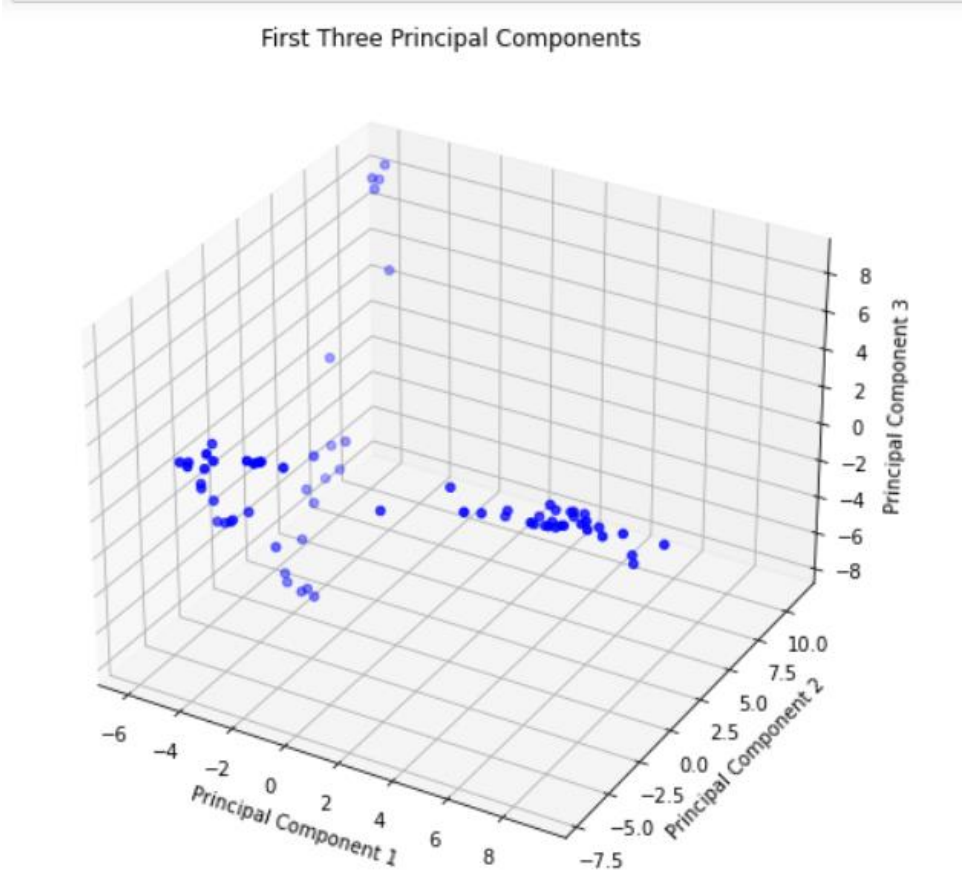
Quiz:

Written 26 August, 2023 6:43 PM - 26 August, 2023 6:45 PM • Attempt 2 of unlimited

'our quiz has been submitted successfully, the answer(s) for the following
uestion(s) are incorrect.

Attempt Score	**10 / 10 - 100 %**
Overall Grade (Highest Attempt)	**10 / 10 - 100 %**

Some of the output from program:


First Three Principal Components
Principal Component 1
Principal Component 2
Principal Component 3
−6
−4
−2
0
2
4
6
8
−7.5
−5.0
−2.5
0.0
2.5
5.0
7.5
10.0
−8
−6
−4
−2
0
2
4
6
8