CS 6301 - Machine Learning Lab - Week 7

Date: 15.09.2023

TITLE

IMPLEMENTATION OF PRINCIPAL COMPONENT ANALYSIS ALGORITHM FOR DIMENSIONALITY REDUCTION

LEARNING RESOURCES

a) https://builtin.com/data-science/step-step-explanation-principal-component-analysis

b) https://www.turing.com/kb/guide-to-principal-component-analysis

TASK

1. Implement PCA on Wine Dataset that consists of 13 different parameters of wine such as alcohol and ash content which was measured for 178 wine samples. Report the results of exploratory data analysis using PCA.