# SDSU COMP521
# Fall 2023

## Homework 08 - Due Date: 12/07/2023

## Problem 1

The graph in figure 1 shows the connection between four different web pages a, b, c and d. Rank the web pages using the approach based on the Perron-Frobenius eigenvector. Show the matrices used to solve the problem.
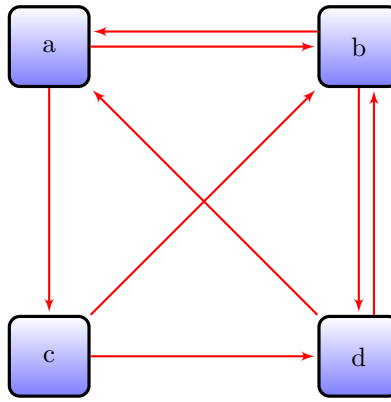


Figure 1: Links between four web pages

## Problem 2

Choose an image of your preference and analyze it using PCA. Describe your work step by step and show figures/plots to support your results. You can do either an RGB or greyscale image.

## Deliverable

You have to present a **REPORT** and submit it as a file in .PDF format. This report must describe the solution of each problem. It must describe and explain the results. Do not forget to identify the plots and tables. The report must present any script used.