

# In-class Participation Assignment

## Group 2

MIE 1624H

Due: January 26, 2021

PageRank is an algorithm used by Google to rank websites in their search engine results.

Explain how PageRank algorithm works and discuss its variants.

Mathematically, PageRank values are in the dominant eigenvector of the (modified) adjacency matrix. Based on that, in your IPython example, show how to solve a matrix formulation of PageRank algorithm for a web of 5-10 webpages/websites.

Prepare 10 minute presentation of your results. Before the presentation, upload your video recording in mp4 or avi format, PowerPoint slides, PDF slides, IPython Notebook `ipynb` file(s) and all data files in `zip` archive via Quercus portal, such that those can be posted on the course web-page and re-used by your colleagues for assignments and a course project. Presentation materials should be uploaded to Quercus portal by 4:00pm on the due date. If you have any questions about your in-class presentation assignment, please contact course TA Sayeh Bayat [sayeh.bayat@mail.utoronto.ca](mailto:sayeh.bayat@mail.utoronto.ca).