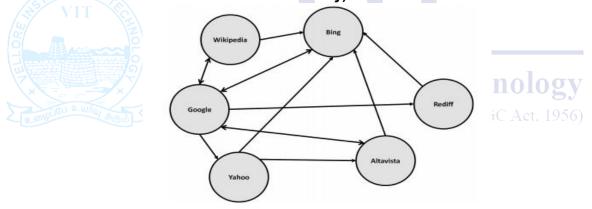
CSE 3024: Web Mining Slot: L51 + L52

Online Submission Deadline: 26th September 2020

Web Structure Mining, Supervised Learning

[3 + 3 + 4]

- > Upload your code and result as a single PDF file in VTOP and MOODLE
- > File should contain
 - Question
 - Code
 - Result / Output screen (including contents of all generated files)
- Write a python program to calculate the degree prestige, proximity prestige and rank prestige using a graph dataset given in the following link. http://snap.stanford.edu/data/wiki-Vote.txt.gz
- 2. Write a python program to show the implementation HITS algorithm for the following graph and display the authority as well as hub score for all the nodes. (stopping criteria:- ε = 0.04 for both hub and authority)



- 3. Write a python program to show the implementation of Decision Tree and Naïve-Bayes techniques using the below mentioned dataset..
 - Handle missing values, If any
 - Use 5-fold cross validation technique
 - Prepare the confusion matrix, find out the precision, recall value, F-measure and prediction accuracy.
 - Prepare ROC and AUC curve based on the result obtained.
 - Compare the results obtained using these two techniques in order to assess their performance for the considered dataset.

https://drive.google.com/open?id=14rXh1RUXBa2bWl5nmb5UiQM7tx1EeS8f

The detailed description of the dataset is given in the below link: https://archive.ics.uci.edu/ml/datasets/Credit+Approval

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