

Information Retrieval and Web Search Engines

Summer Semester 2011

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Homework Assignment 10

Exercise 10.1

What is a social network?

Exercise 10.2

Briefly explain Seeley's model of prestige in social networks.

Exercise 10.3

What is a co-citation graph, and what is an Erdös number?

Exercise 10.4

What is a Bacon number and what is Paul Erdös' Bacon number?

Exercise 10.5

Briefly explain the random surfer model. Is it a reasonable model of how people surf through the Web?

Exercise 10.6

What do you need the Topic-Sensitive PageRank for?