



The University of Chicago
Department of Statistics
Seminar Series

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Yahoo! Research

Compressibility of Behavioral Graphs

MONDAY, March 7, 2011, at 4:00 PM
133 Eckhart Hall, 5734 S. University Avenue
Refreshments following the seminar in Eckhart 110.

ABSTRACT

Graphs resulting from human behavior (the web graph, social networks, etc.) have hitherto been viewed as a monolithic class with similar characteristics. Our focus here is on the compressibility of such graphs. It has been empirically shown that Web graphs can be compressed down to three bits of storage per edge. In light of this, we address two basic questions: are social networks as compressible as Web graphs and are there tractable and realistic models that yield highly compressible graphs?

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