

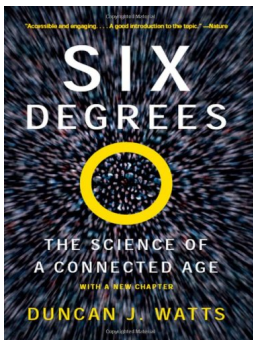
# Introduction

Matthew J. Salganik

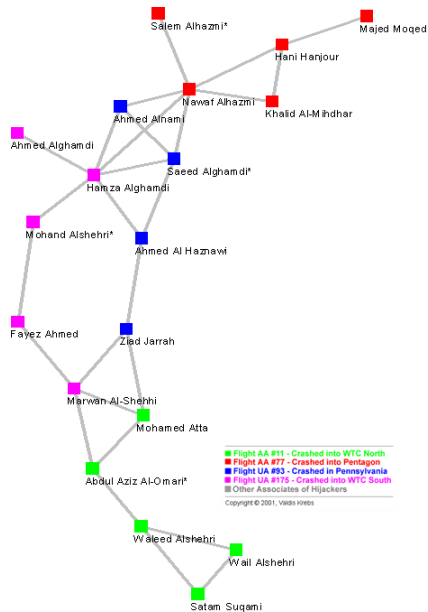
Social Network (Soc 204)  
Spring 2021  
Princeton University

Week 1, Lecture 1  
1/2: Scientific overview





We live in the connected age.



### A not-so-quick guide to Oscar acceptance speeches

Source:  
The Academy  
Of Motion Picture  
Arts and Sciences





General pattern:

- ▶ nodes
- ▶ edges

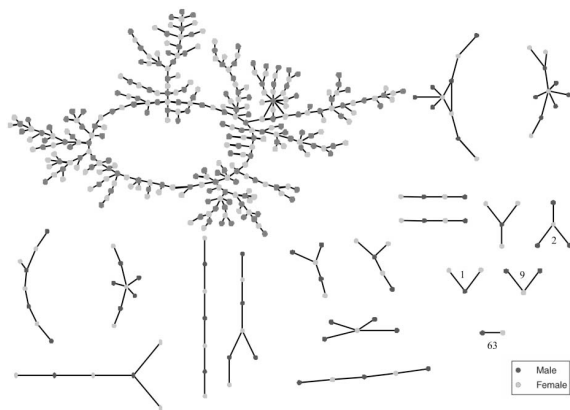


FIG. 2.—The direct relationship structure at Jefferson High

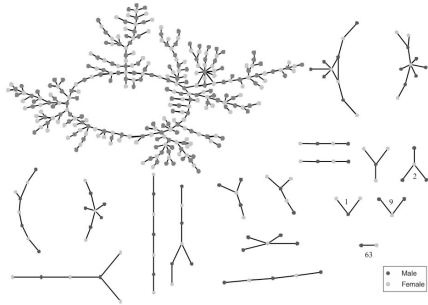
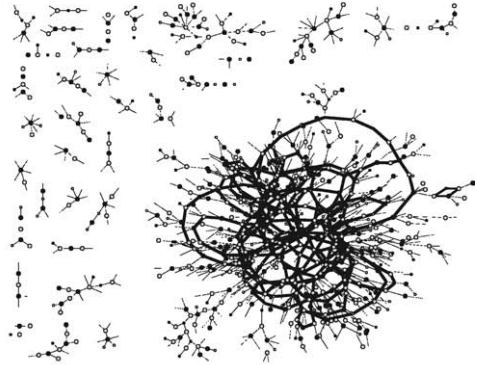


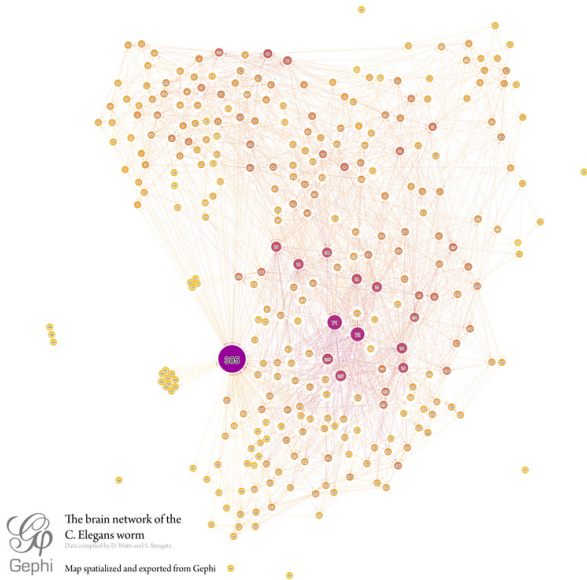
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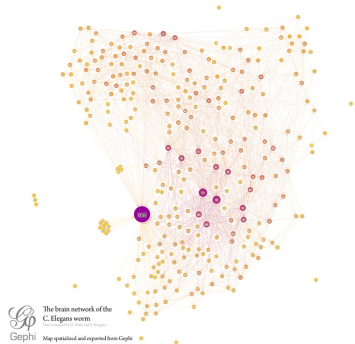
(a) American High School



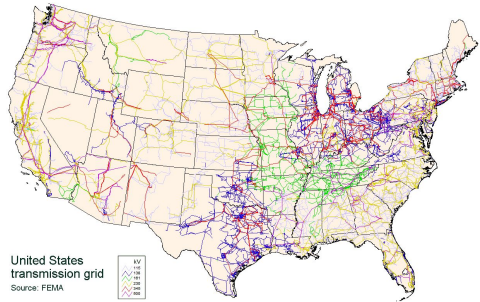
(b) Likoma Island, Malawi







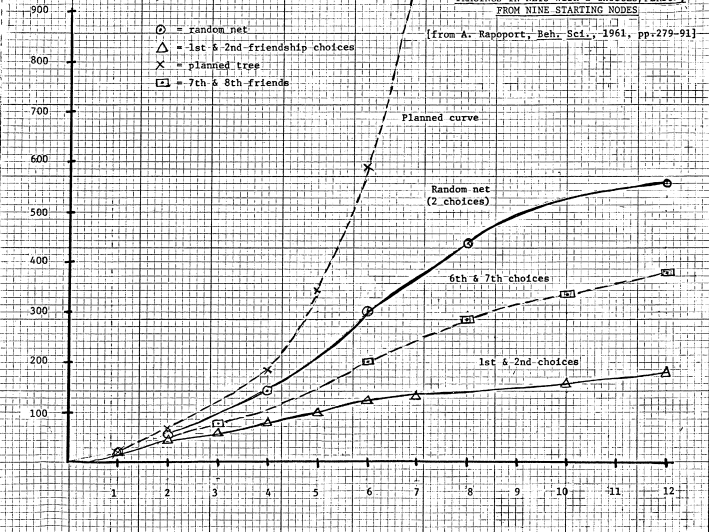
(a) Worm Brain



(b) Power Grid

<https://commons.wikimedia.org/wiki/File:C.elegans-brain-network.jpg> & <https://commons.wikimedia.org/wiki/File:UnitedStatesPowerGrid.jpg>

SR 10 Lecture Notes  
February 28, 1966



THE CHAMPION LINE NO. 810  
CROSS SECTION - 10 SQUARES TO INCH

## Learning objectives

- ▶ Students will be able to **describe** the major concepts used in the study of networks.

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- ▶ Students will be able to **use** the major concepts in the study of networks to gain insight into real-world phenomena.
- ▶ Students will be able to **evaluate** real, modern research that connects the concepts of networks to real-world phenomena.