Why should I use network models?



Facebook

May 2011:

- - 721 millions users. Average number of friends: 190
 - A total of 68.5 billion friendships

September 2015:

- 1. What are the principal underlying processes that help initiate these friendships?
- 2. How can these seemingly independent friendships form this complex friendship
- 3. In social media there are many networks with millions of nodes and billions of edges.
 - They are complex and it is difficult to analyze them

Social Media Mining http://socialmediamining.info/

Network Models 3

สรางแล้ว ปาเสีย ว่าเหมือนของ คริงพนาดไทน Degree distribution

Distributions

Wealth Distribution:

- Most individuals have average capitals,
 - Few are considered wealthy.
- Exponentially more individuals with average capital than the wealthier

City Population:

- A few metropolitan areas are densely populated
- Most cities have an average population





The Pareto principle

(80–20 rule): 80% of the effects come from 20% of the causes

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Network Models

Parelo Principle in

20 % ของคุลุมนั้นอารามารถทำ

Distribution

