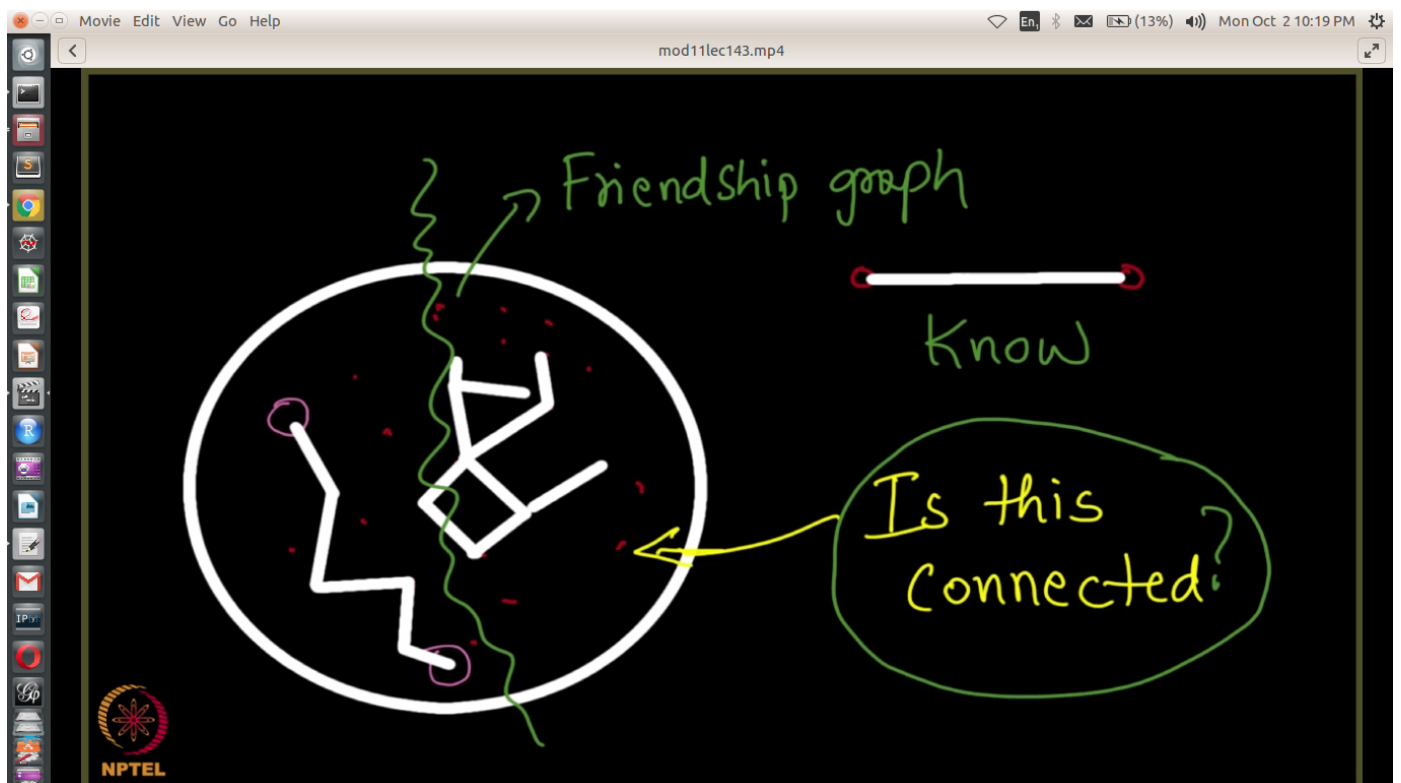
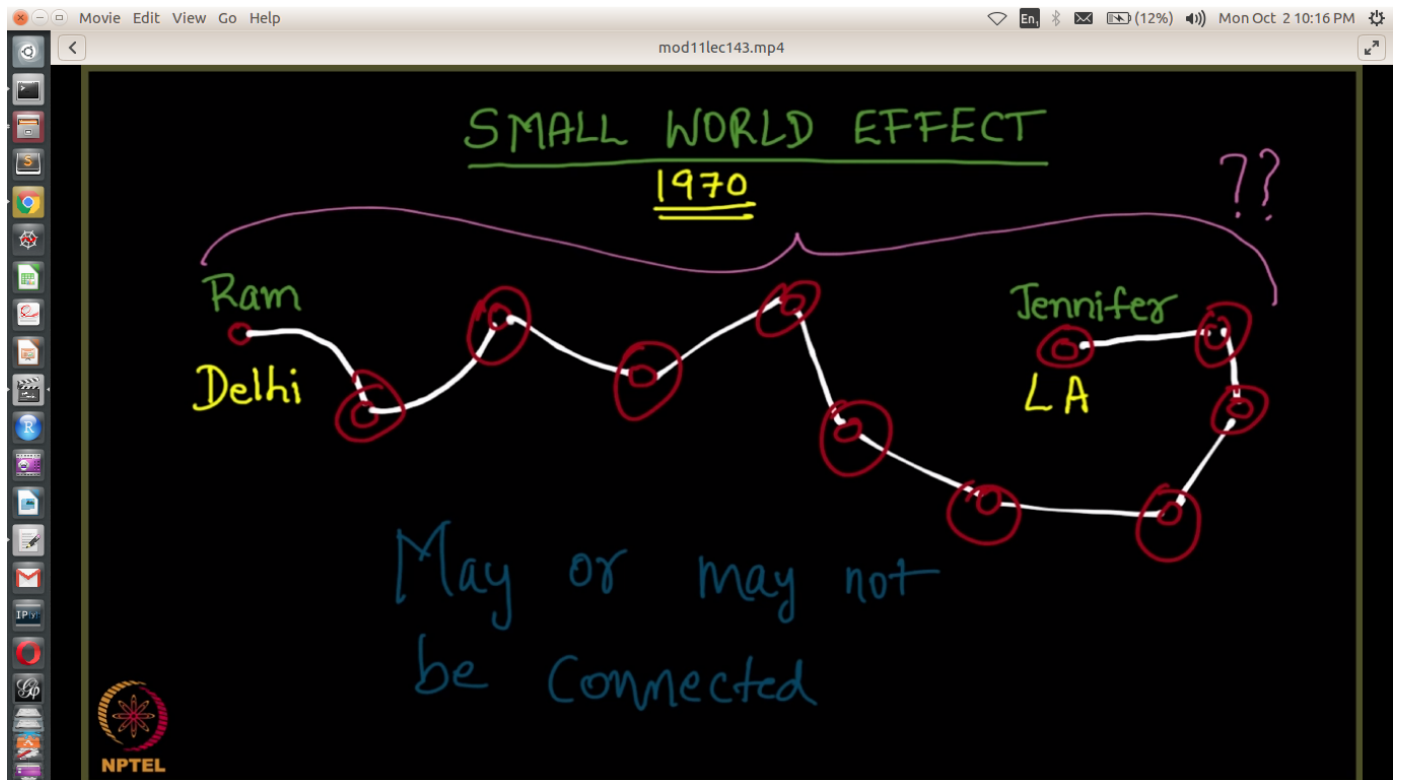


Lec143 The Small World Effect : Small World Effect - An Intro



Movie Edit View Go Help mod11lec143.mp4 Mon Oct 2 10:27 PM

YES OBSERVED

World is Connected

Any 2 people

Average

6

P_1 A_1 A_2 A_3 A_4 A_5 P_2

NPTEL

Lec144 The Small World Effect : Milgram's Experiment

Videos mod11lec144.mp4 Mon Oct 2 10:33 PM

P_1 A_1 A_2 A_3 A_4 A_5 A_6 P_2

6 Steps (average)

NPTEL

mod11lec144.mp4

Counter intuitive

6 Billion

0 ~~~~~ 0

6 people

World is big, but is surprisingly small

NPTEL

6:54 -3:50

mod11lec144.mp4

0 → You

1 →

2 →

3 →

100 friends

100^2 friends

100^3 friends

10th level

$10 \cdot 10^{10}$ friends

NPTEL

Lec145 The Small World Effect : Reason

mod11lec145.mp4

1998 Watts-Strogatz model

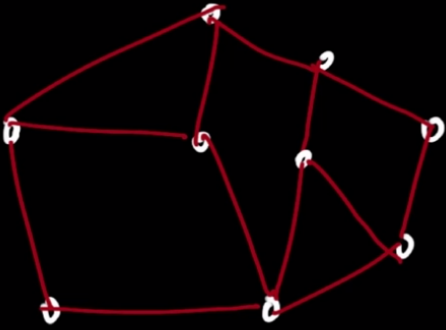
Email networks SMALL WORLD.

Homophily
Weak ties

1:31 -7:24

NPTEL

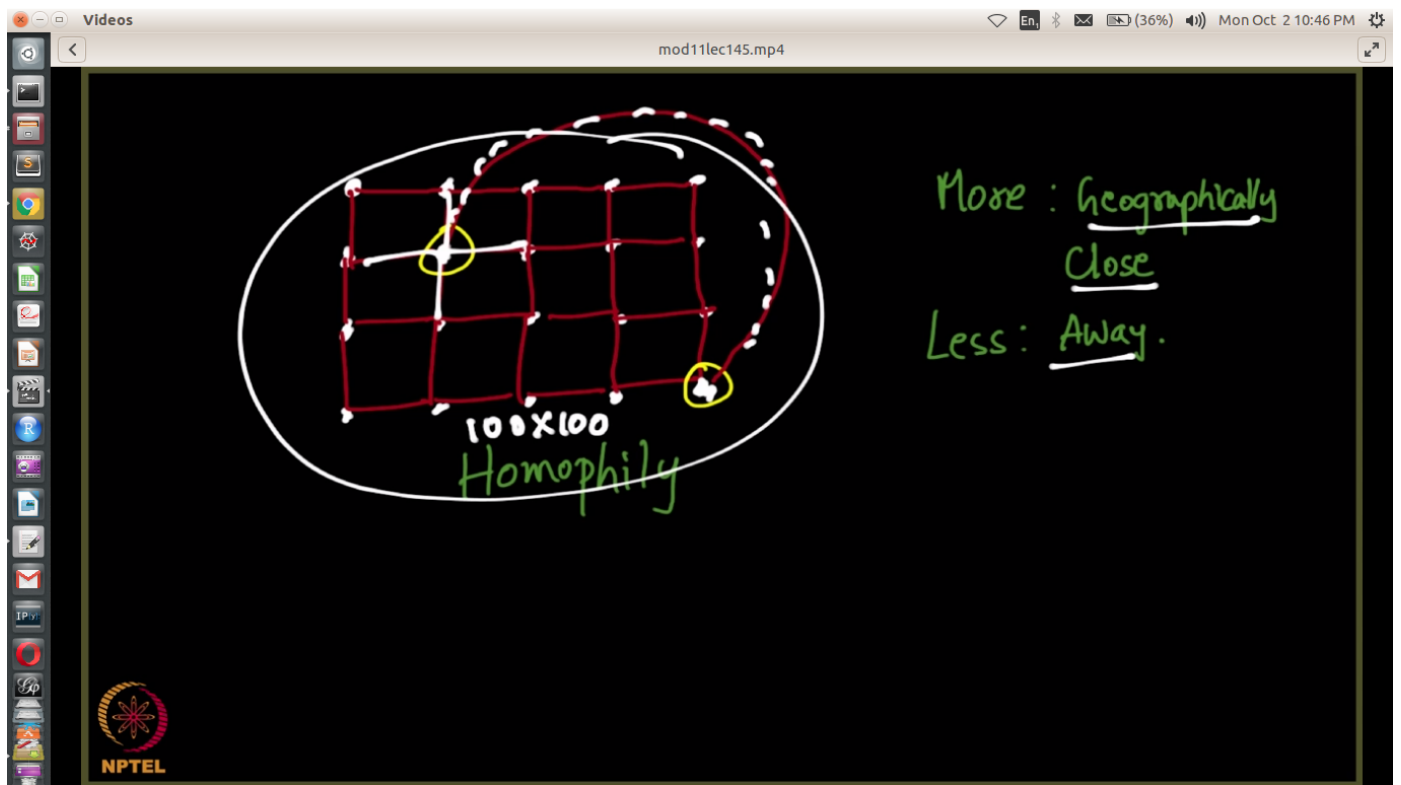
mod11lec145.mp4



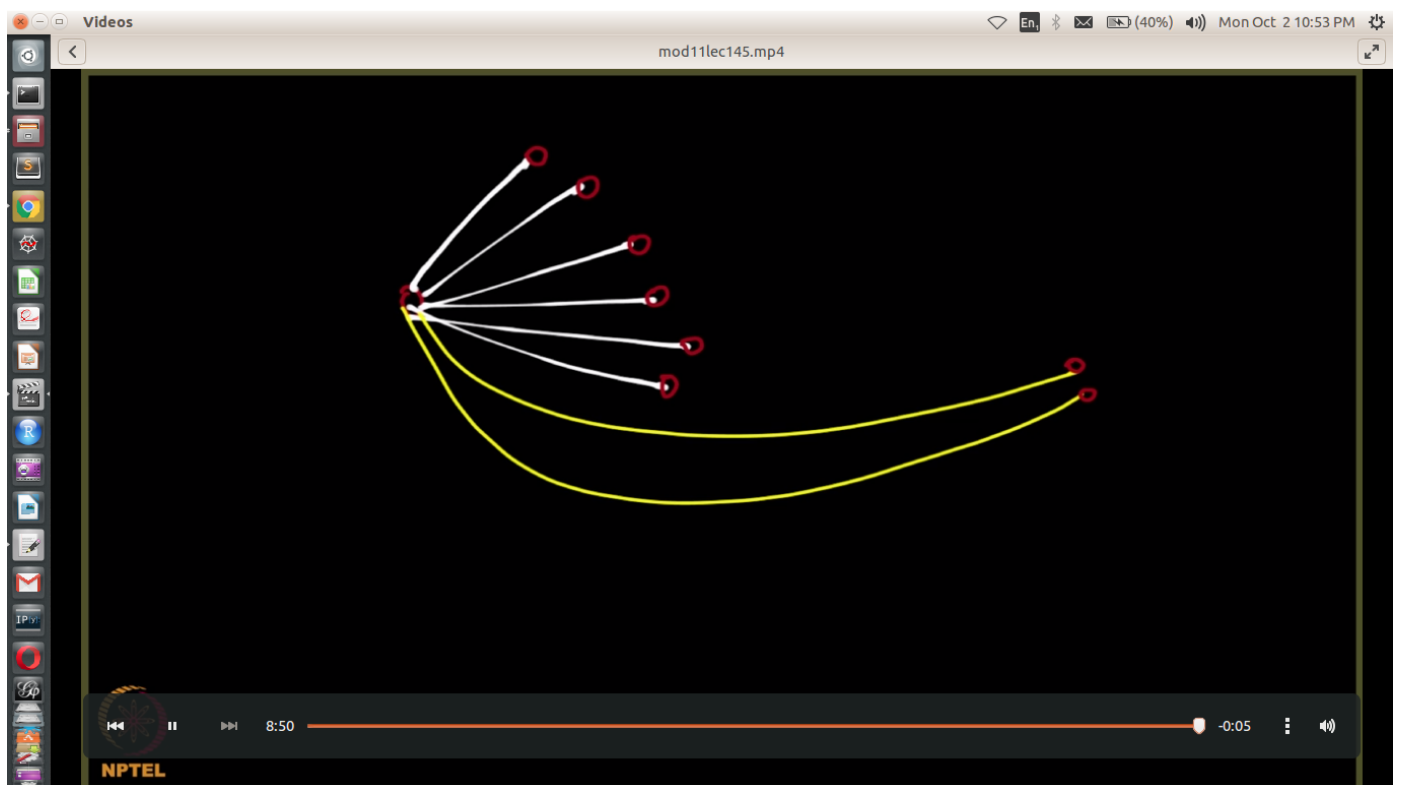
More : Geographically Close
Less : Away.

2:38 -6:17

NPTEL



IMG NOT FOUND



Lec146 The Small World Effect : The Generative Models

mod11lec146.mp4

Homophily
Weak ties

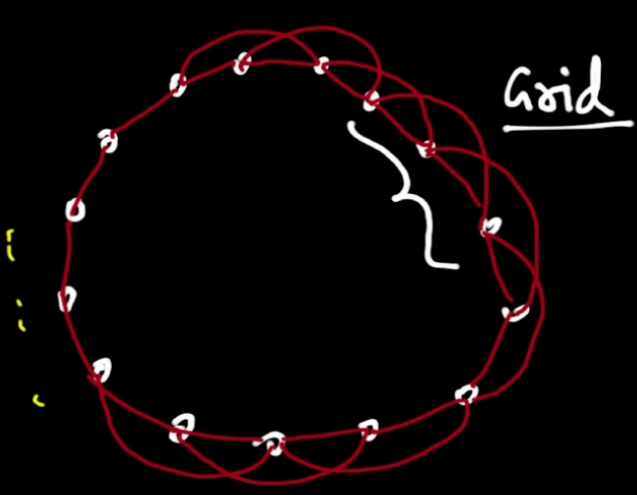
Generative model

Construct such graphs

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mod11lec146.mp4

Grid



NPTEL