* Define Homophily? Explain how to measure the presence of homophily in a network with an example?
* Explain homophily test with an example?
* Explain the mechanisms underlying homophily with an example? Page 90
* What is affiliation network? Explain three types of link formation in affiliation networks? Page 93
* How to distinguish between selection and social influence: longitudinal studies? Page 106
* How to Quantifying the Interplay Between Selection and Social Influence. Page 106 book
* What is affiliation network? Explain three types of link formation in affiliation networks? Page 93
* Explain Tracking link formation in On-Line Data (Quantifying the effect of Triatic closure, focal closure and Membership closure). Page 97 Fig 4.9, Fig 4.10,Fig 4.11
* Explain spatial model for Segregation with an example. Page 107 book

[(1086) Spatial Segregation: An Introduction - YouTube](https://www.youtube.com/watch?v=_SzN_R3FWCA)

**Exercise Problems of Chapter 2**

* Define structural balance for networks.
* Define Balance Theorem and discuss its proof with an example network.
* Discuss applications of structural balance.
* Define WWW and The Web as a Directed Graph. Page 384 book
* Define strongly connected component? Discuss The Bow-Tie Structure of the Web with an example. Page

[(1086) Centrality Measures - 16 Bow Tie Structure of the Web - YouTube](https://www.youtube.com/watch?v=qvkb_I6VnpU&t=137s)

* Discuss the evolution of Web 2.0 Page 392
* **Exercise Problems of Chapter 3**