

informative statistics in our grasp

- ☑ number of loops and non-loops: tendency for within and between vertex category edges
→ homophily/heterophily
- ☑ tendency for isolated vertices → network diffusion
- ☑ simple occupancy of edges → simple/complex network
- ☑ single ties within vertex category → isolation
- ☑ tendency for strengthening ties and if overlapping for multiple edge types → multiplexity

statistical analysis of global structural features

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* “if a graph contains loops and/or any pairs of nodes is adjacent via more than one line a graph is complex” [Wasserman and Faust, 1994]

how do we quantify these statistics?

informative statistics in multigraphs

statistics for analyzing local and global social structural features

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multigraph representation of network data