Network Mapping

Choices

Important Questions

- 1. What type of measurements are vertices/edges base on?
- 2. Full or partial view of system
- 3. Was there sampling/missingness

Stage 2: Constructing Network Graphs

Commonly edges are dictated after processing measurements
- edges bused on similarity

Stage 3: Goal is to embed a combinatorial object G=(V,E) into two-or throodimensimal Euclidean space

(Not unique or even well defined)

Common to better define /coestrain the problem

- conventions (straight line adjus)
- aesthetics (e.g. minimal edge crossing)
- Constrainets (e.g. relative placement of vertices, subgraphs)

Common Methods for Grouph Drawing

- Circular layout
- Spring Embedder (sonse of repulsion)
 - typically iterative processes that run in O(N,2) time

(Look in notes)

- Decorating Graphs can be very useful

(Finish the Network Mapping Notes)