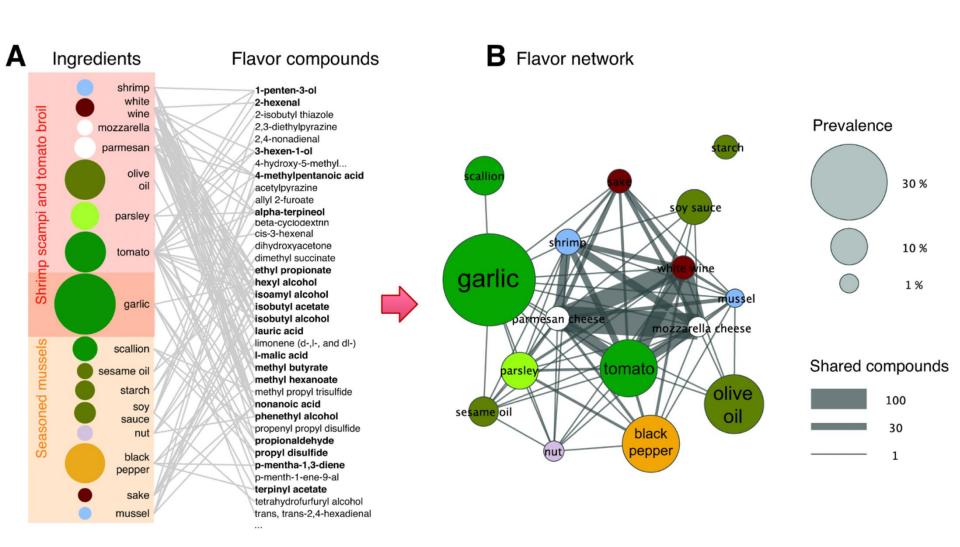
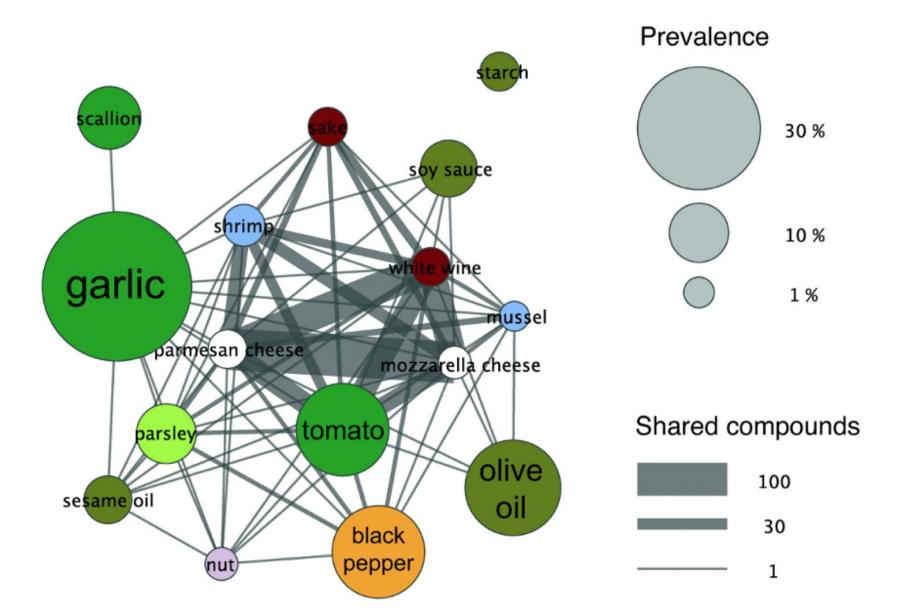
Day 4 - What Networks Could Be

UMN CSS Workshop 2025

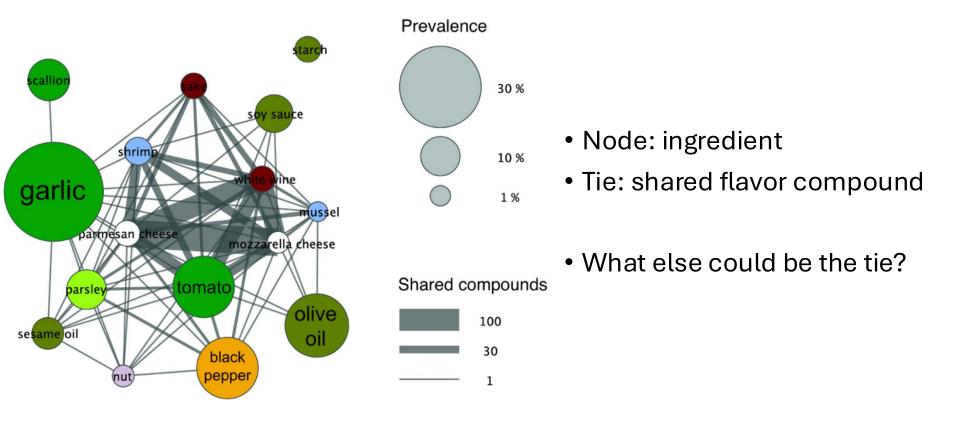
Instructor: Alvin Zhou



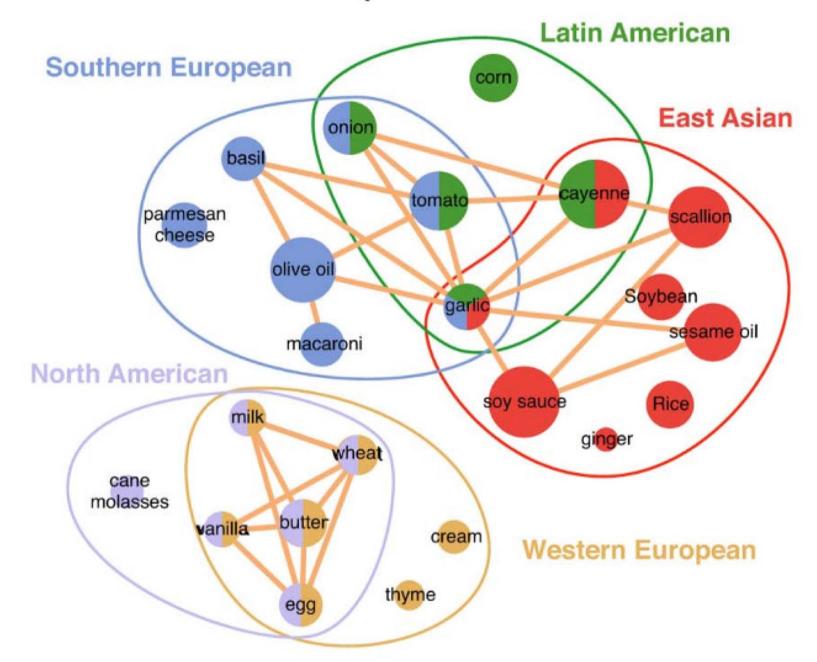
B Flavor network

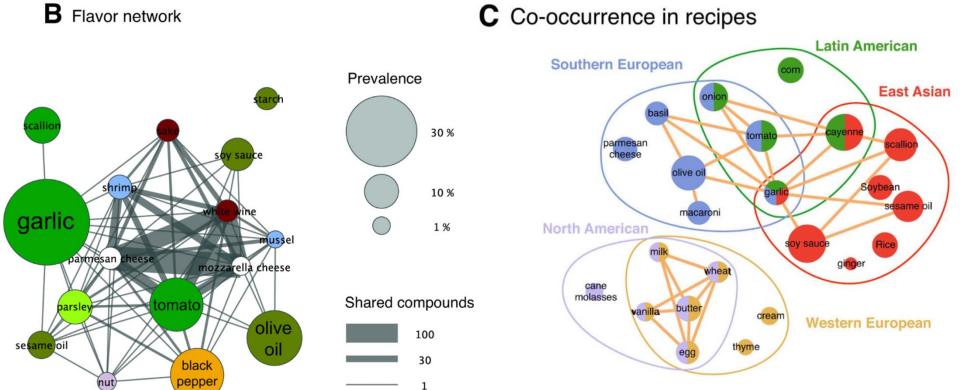


B Flavor network

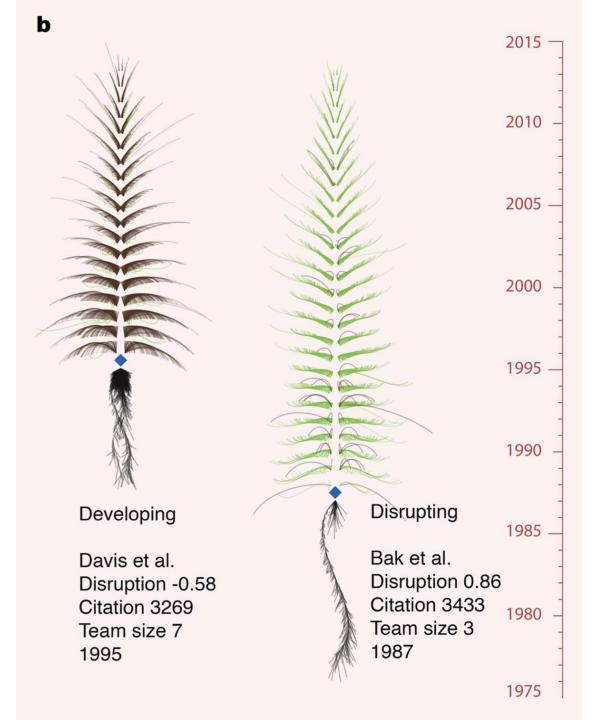


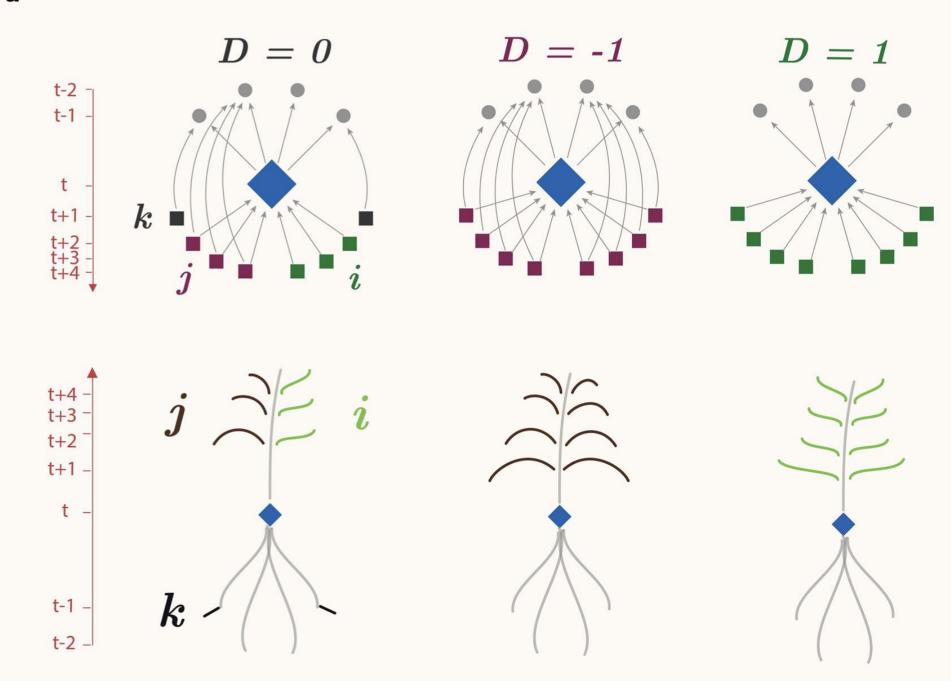
C Co-occurrence in recipes

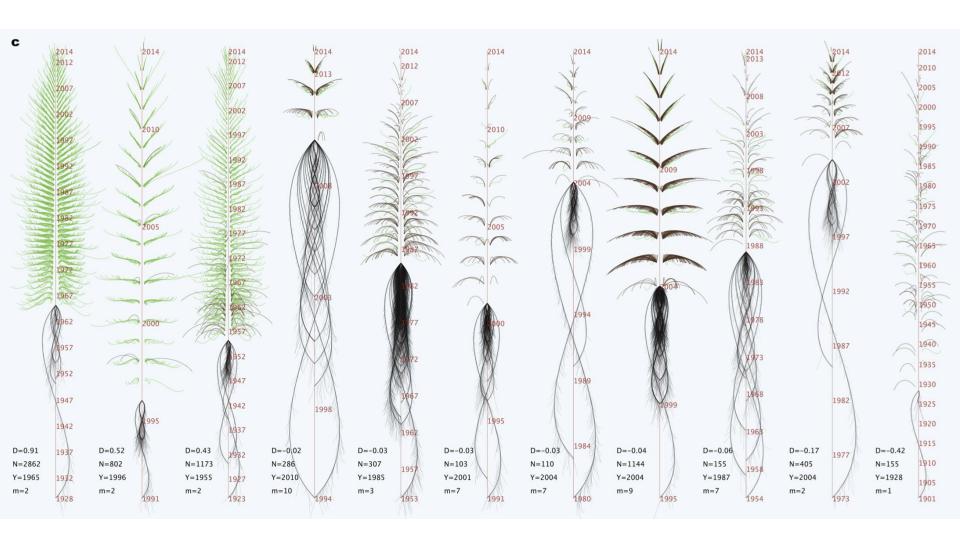




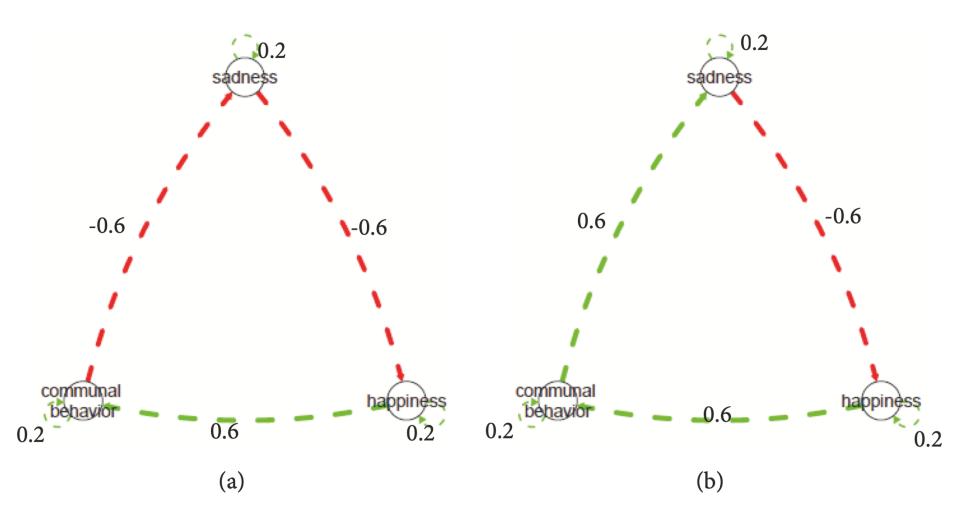
What other kinds of networks could be constructed from the data?

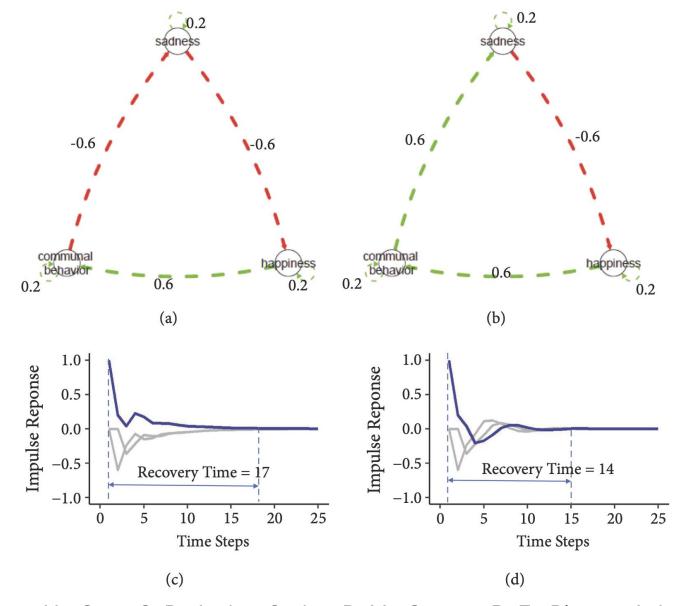






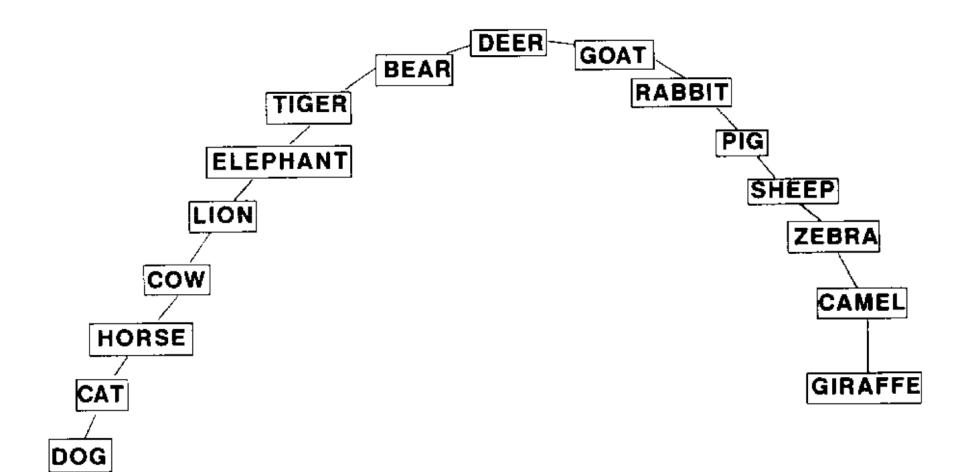
Wu, L., Wang, D., & Evans, J. A. (2019). Large teams develop and small teams disrupt science and technology. *Nature*, *566*(7744), 378–382. https://doi.org/10.1038/s41586-019-0941-9

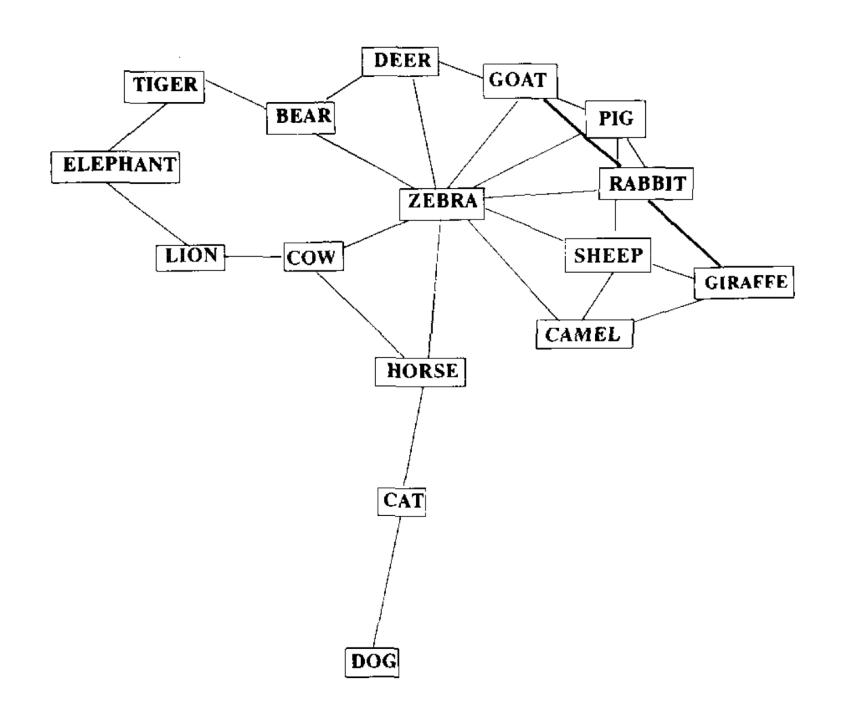




Yang, X., Ram, N., Gest, S. D., Lydon-Staley, D. M., Conroy, D. E., Pincus, A. L., & Molenaar, P. C. M. (2018). Socioemotional dynamics of emotion regulation and depressive symptoms: A person-specific network approach. *Complexity*, 2018(1), 5094179.

https://doi.org/10.1155/2018/5094179





Brainstorm Time - What Networks Could Be?

- Pick a topic
- Think of a network
- What's the node? What's the tie?
- Node size/color? Tie width/color?
- What will it tell us?





