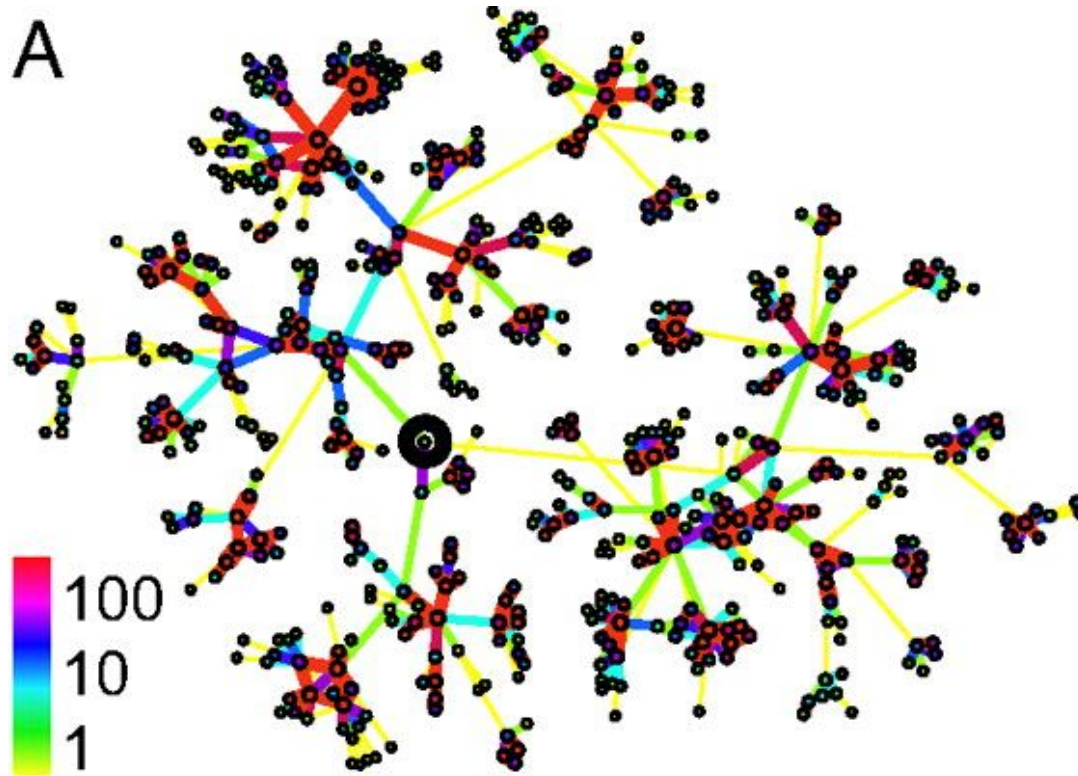


Do more people say that they found a new job opportunity through a close friend or through an acquaintance?

Friendship graph



Onnela, J-P., Jari Saramäki, Jorkki Hyvönen, György Szabó, David Lazer, Kimmo Kaski, János Kertész, and A-L. Barabási. "Structure and tie strengths in mobile communication networks." *Proceedings of the national academy of sciences* 104, no. 18 (2007): 7332-7336.

<https://www.pnas.org/doi/10.1073/pnas.0610245104>

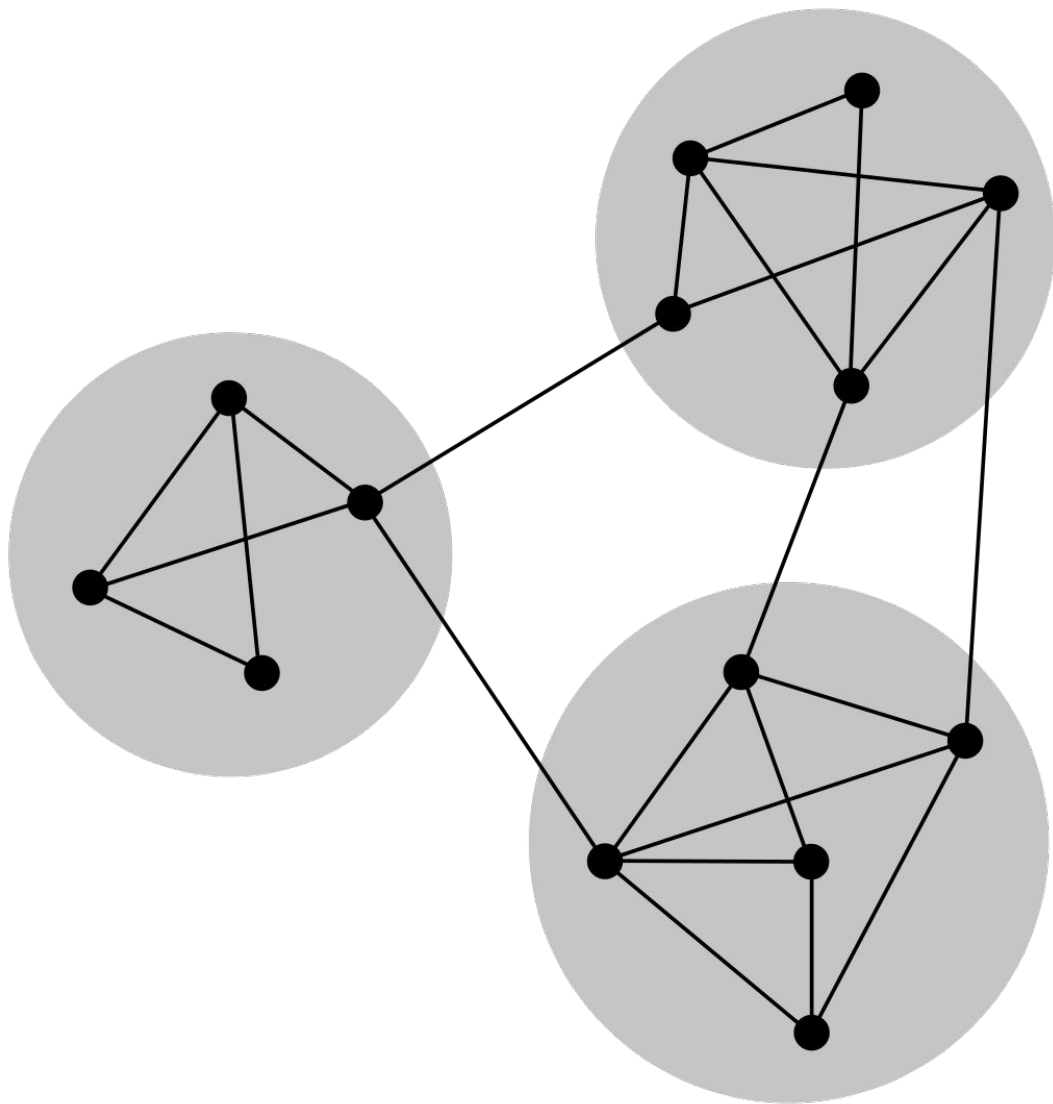
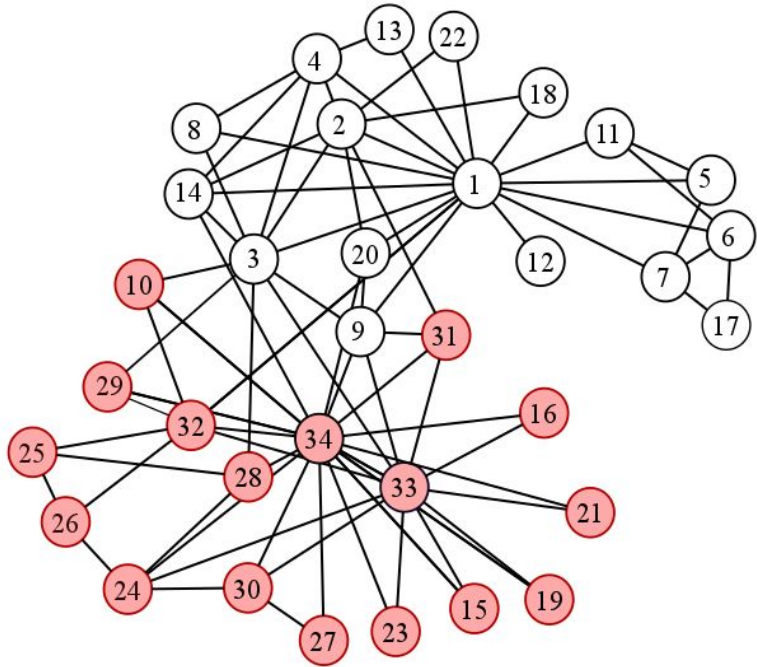


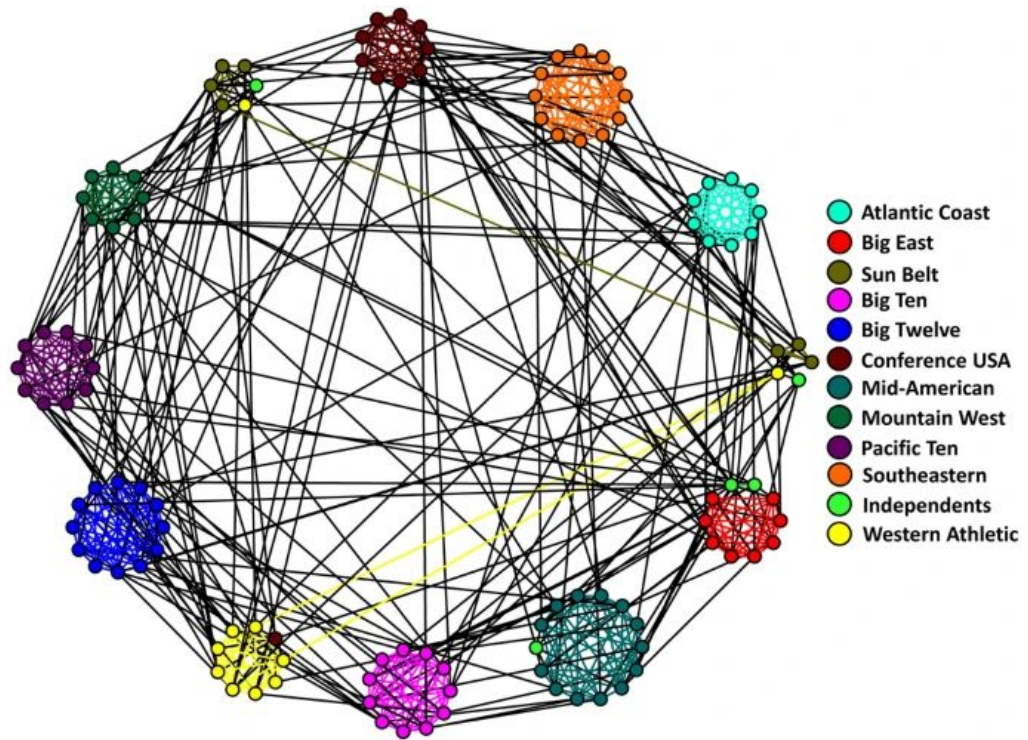
Image from: https://en.wikipedia.org/wiki/Community_structure



Zachary's Karate Club

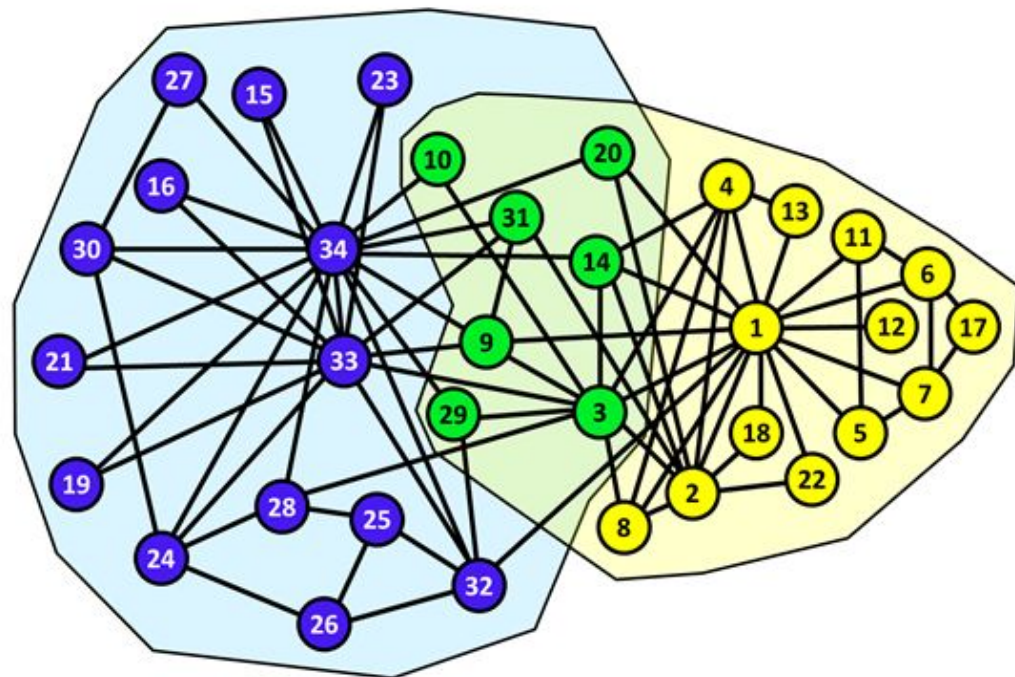
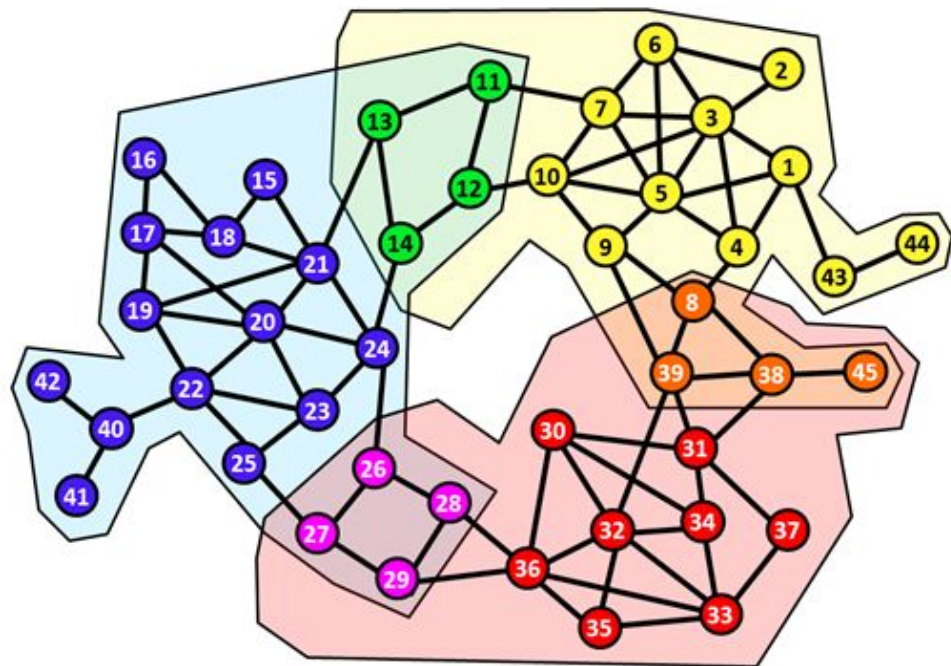
Image from:

https://commons.wikimedia.org/wiki/File:Zachary%27s_karate_club.png



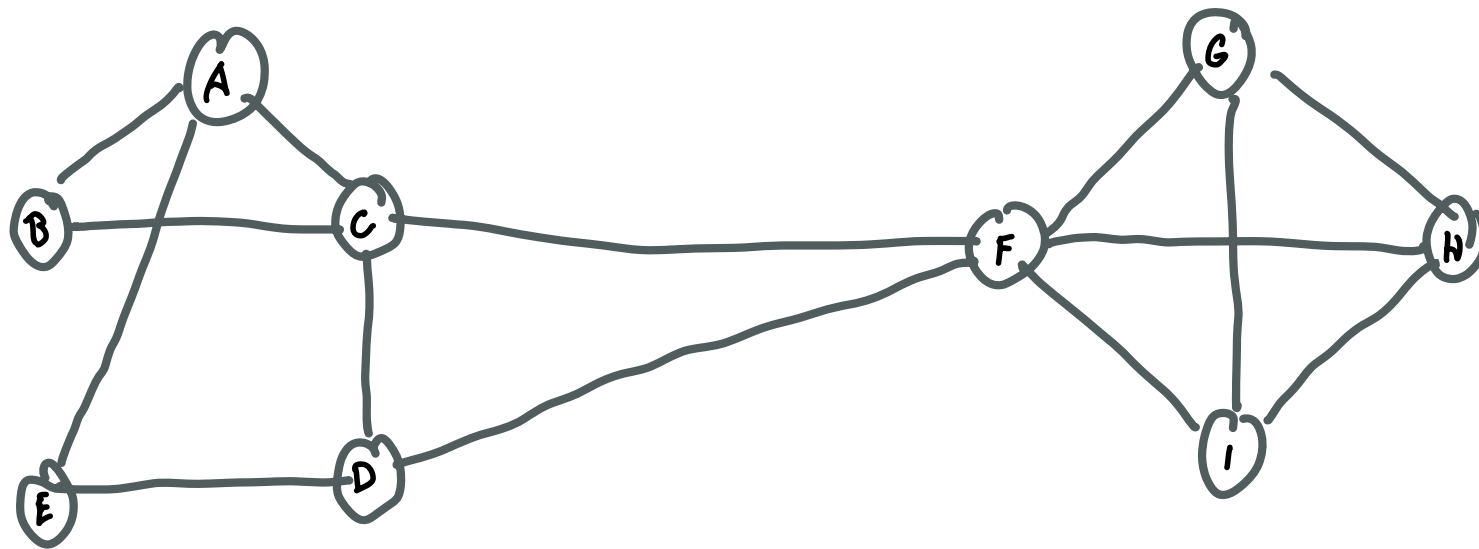
Lu, Zhenqi, Johan Wahlström, and Arye Nehorai. "Community detection in complex networks via clique conductance." *Scientific reports* 8, no. 1 (2018): 1-16.

<https://www.nature.com/articles/s41598-018-23932-z>

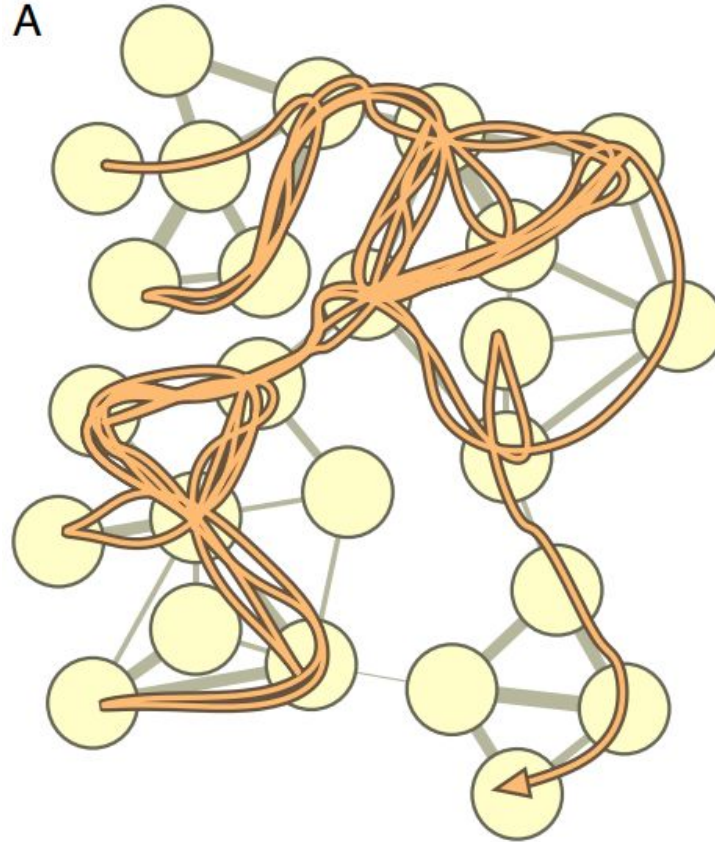


<https://bigdata.odn.utexas.edu/project/graph-clustering/>

Girvan-Newman



Infomap

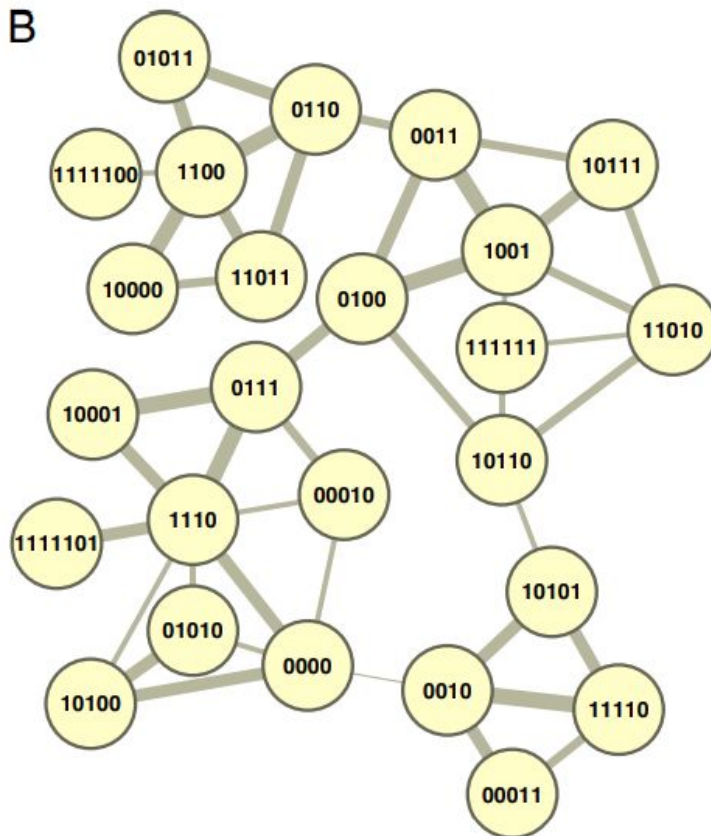


Rosvall, Martin, and Carl T. Bergstrom.
"Maps of random walks on complex
networks reveal community structure."
*Proceedings of the national academy of
sciences* 105, no. 4 (2008): 1118-1123.

<https://www.mapequation.org/assets/publications/RosvallBergstromPNAS2008Full.pdf>

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