



**Learn About Community Detection
With Edge Betweenness in R With
Data From Zachary's Karate Club
(1977)**

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About This Dataset

Data source citation

Zachary, W. (1977). An information flow model for conflict and fission in small groups. *Journal of Anthropological Research*, 33(4), 452–473. Dataset retrieved from <https://github.com/igraph/igraphdata>

Full title of originating dataset

Zachary's Karate Club

Data author(s) and affiliations

Wayne Zachary, PhD

Starship Health Technologies, LLC

Dataset source website address

<https://github.com/igraph/igraphdata>

First publication date

1977

Data Universe

Social network of a university-based karate club

Data collection dates

1970–1972

Time frame of analysis

1970–1972

Unit of analysis

Group

Location covered by data

United States

Links to SRM content

- Johnson, P. (2018). Social network analysis using R. In B. B. Frey (Ed.), *The SAGE encyclopedia of educational research, measurement, and evaluation* (pp. 1543–1549). Thousand Oaks, CA: SAGE. Retrieved from <https://doi.org/10.4135/9781506326139.n642>
 - Batagelj, V. (2014). Large-scale network analysis. In J. Scott & P. Carrington (Eds.), *The SAGE handbook of social network analysis* (pp. 550–557). London, UK: SAGE. Retrieved from <https://doi.org/10.4135/9781446294413.n36>
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List of variables

Edges:

- source
- target

Nodes:

- ID
- faction