



Network Analysis

Network visualizations reveal relationships and flows in complex systems^[1]. This page demonstrates various network analysis techniques.

Research Collaboration Network

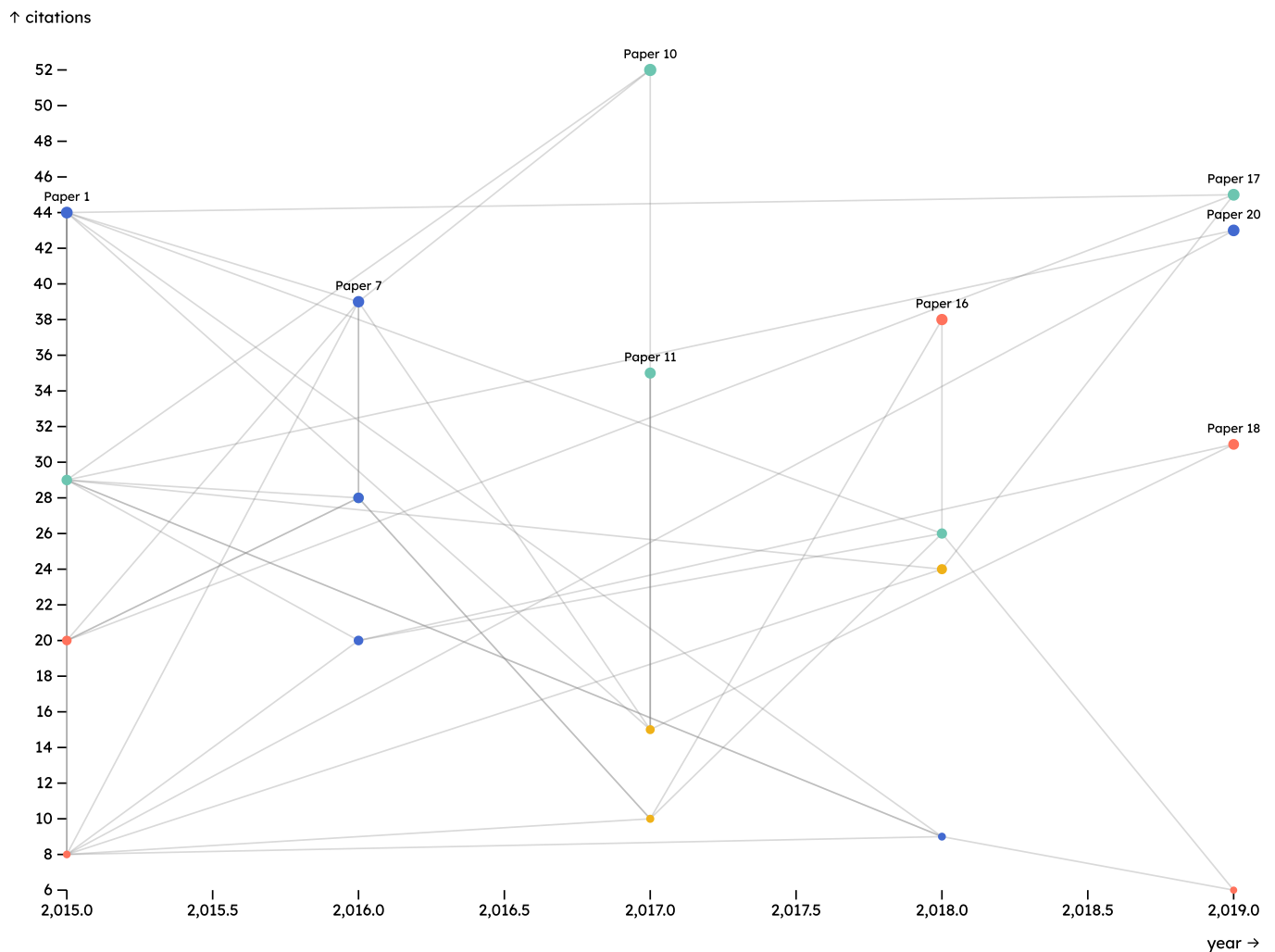
Sankey Diagram: Research Funding Flow

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Citation Network Analysis

Citation Network Structure

Papers and their citation relationships



Network Metrics

	Node	Type	•Degree	Connections
	Lab B	University	3	3
	Institute X	Research Institute	3	3
	Institute Y	Research Institute	3	3
	Company 2	Industry	3	3
	Lab A	University	2	2
	Lab C	University	2	2
	Company 1	Industry	2	2
	Gov Agency	Government	2	2

Applications

Network analysis is crucial for understanding^[2]:

- **Collaboration Patterns:** Co-authorship networks
- **Knowledge Transfer:** Citation and reference networks
- **Resource Flow:** Funding and grant networks
- **Social Networks:** Research community structure

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1. Network science provides tools for analyzing complex relational data. Newman, M.E.J. (2010). Networks: An Introduction. Oxford University Press.
 2. For applications in research evaluation, see: Börner, K., et al. (2018). Science Visualization: Transforming Data into Insights. MIT Press.