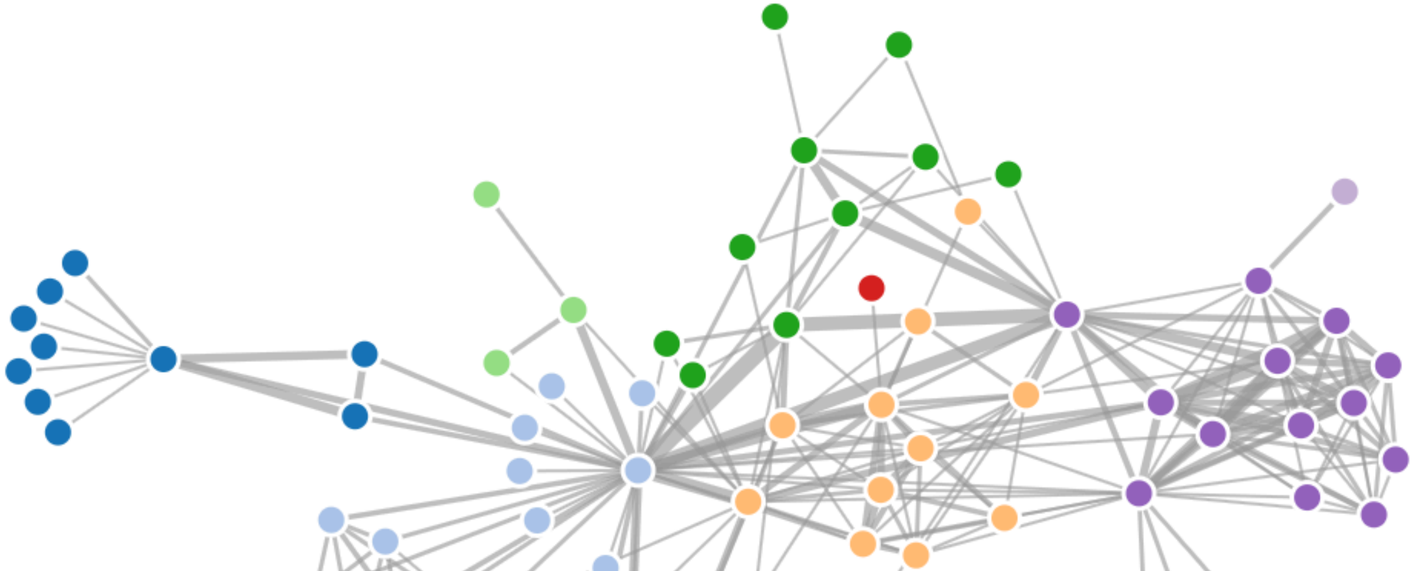
Data Visualization & Design

Week 12

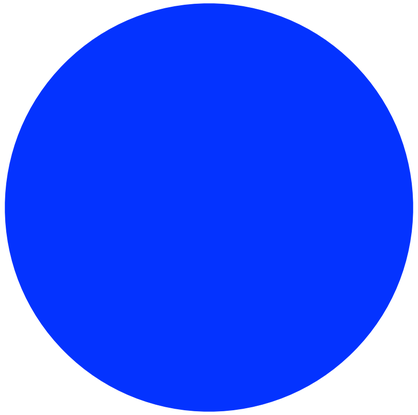

NETWORKS

A network is a graph where **nodes** are connected and positioned depending on their **mutual relationship**.

Use a network to identify **clusters** in large and complex relationship datasets.

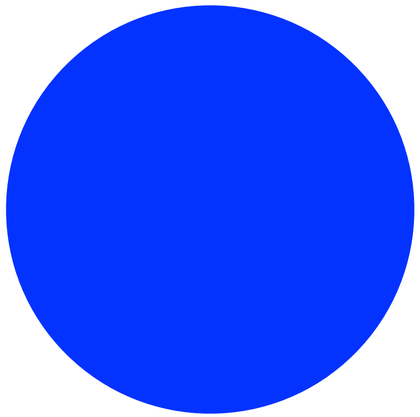


Anatomy of a network diagram

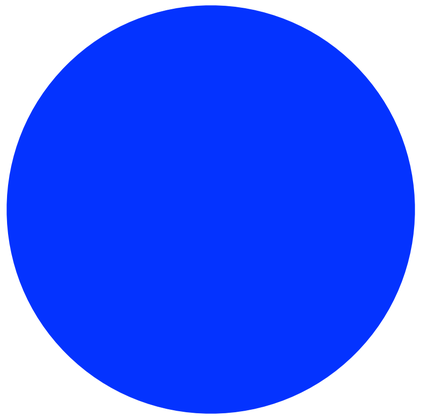


NODE

Anatomy of a network diagram

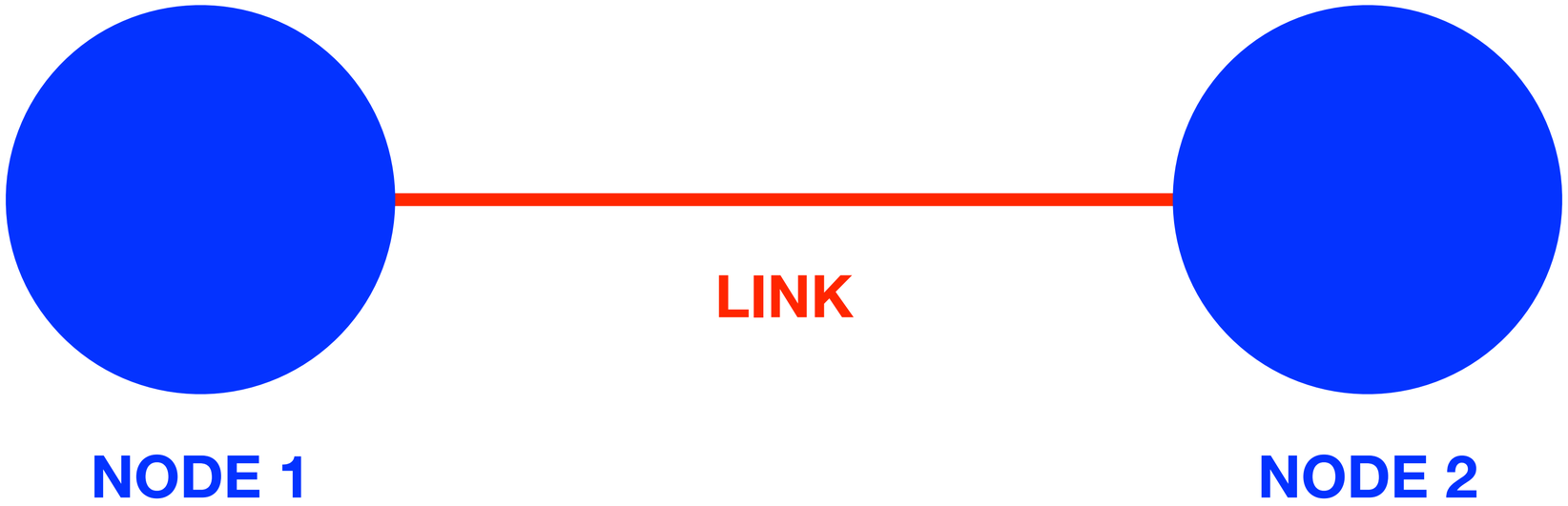


NODE 1

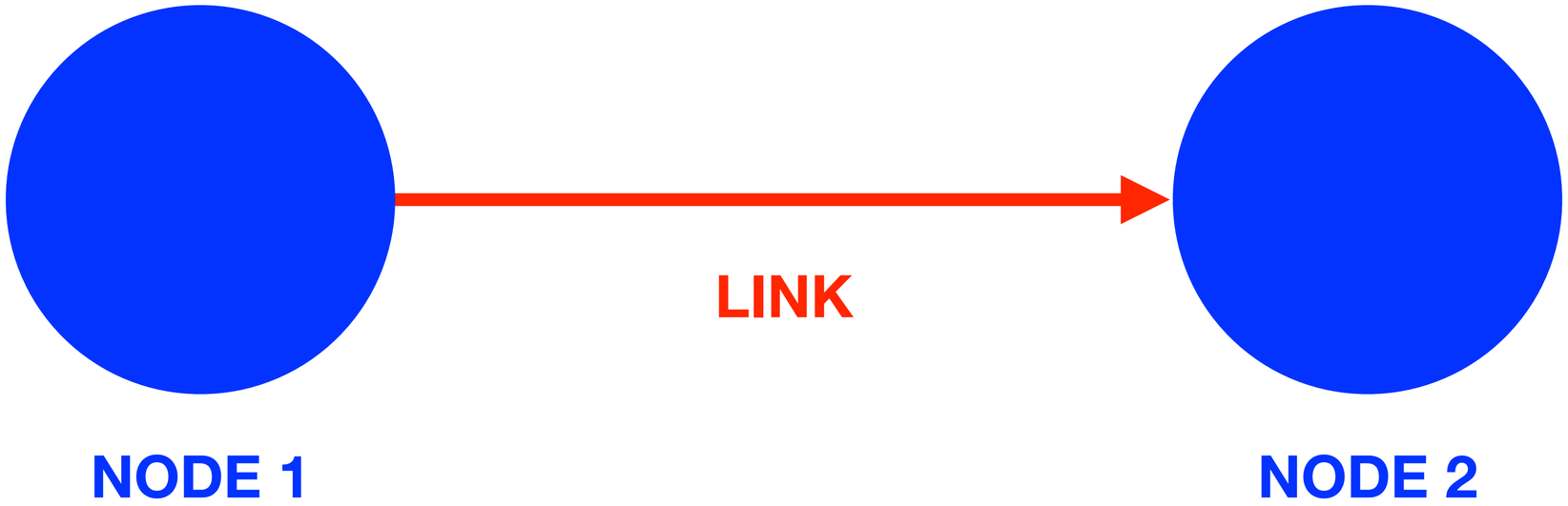


NODE 2

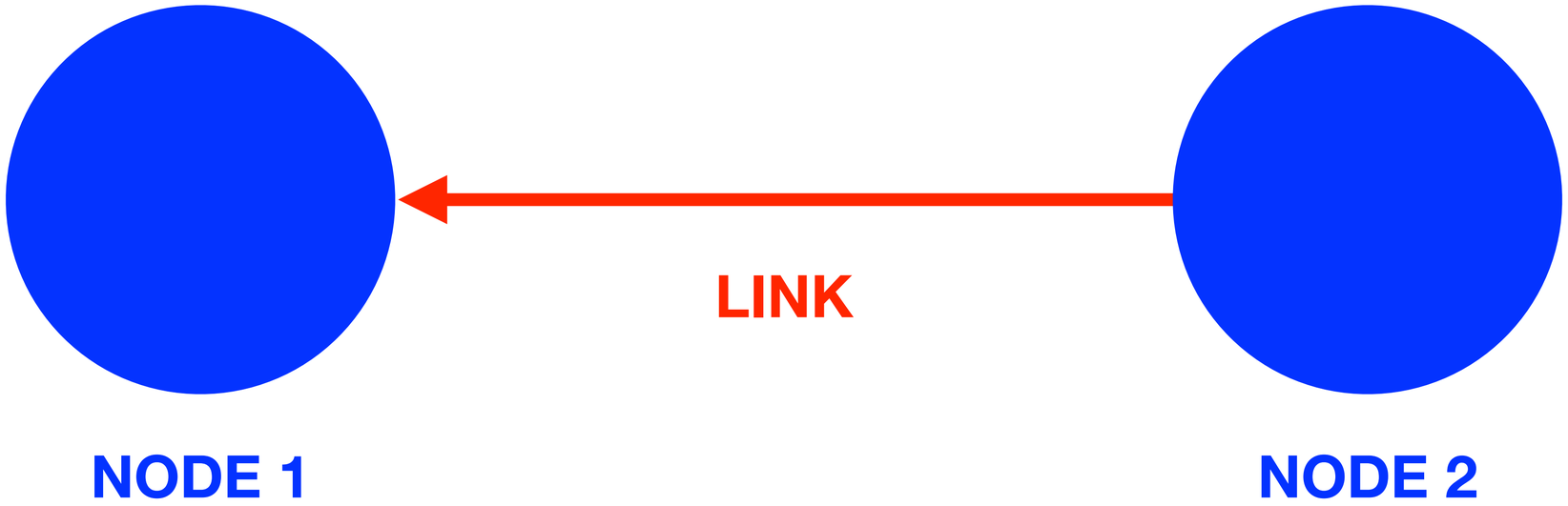
Anatomy of a network diagram



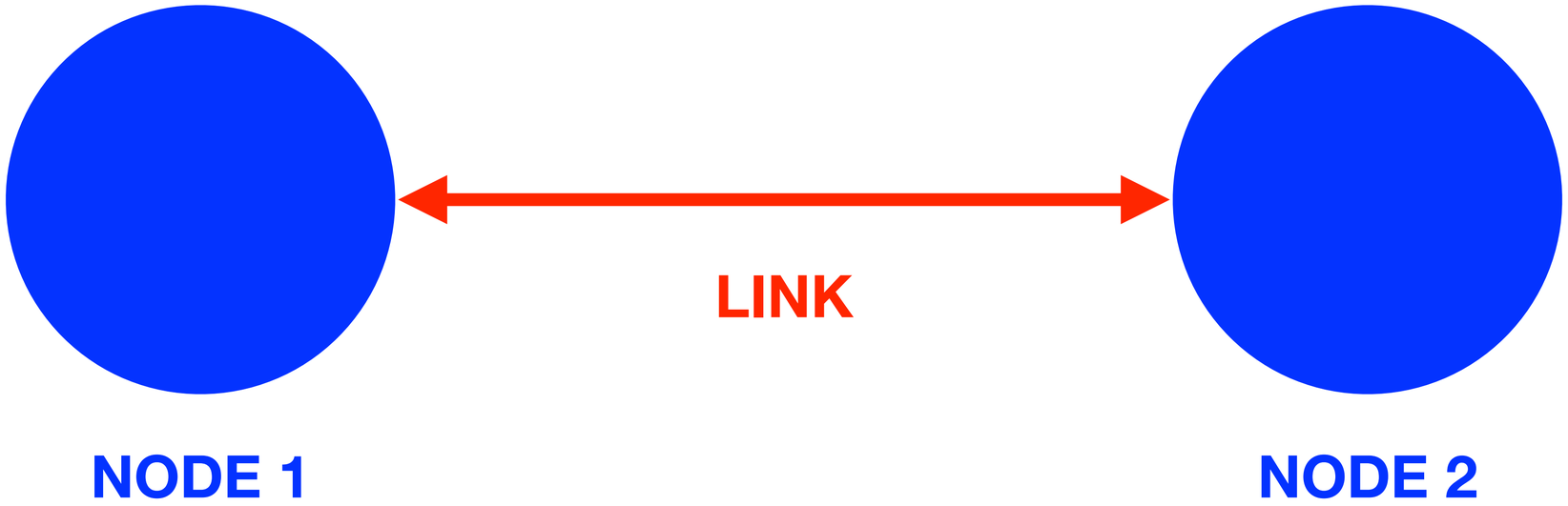
Anatomy of a network diagram



Anatomy of a network diagram



Anatomy of a network diagram

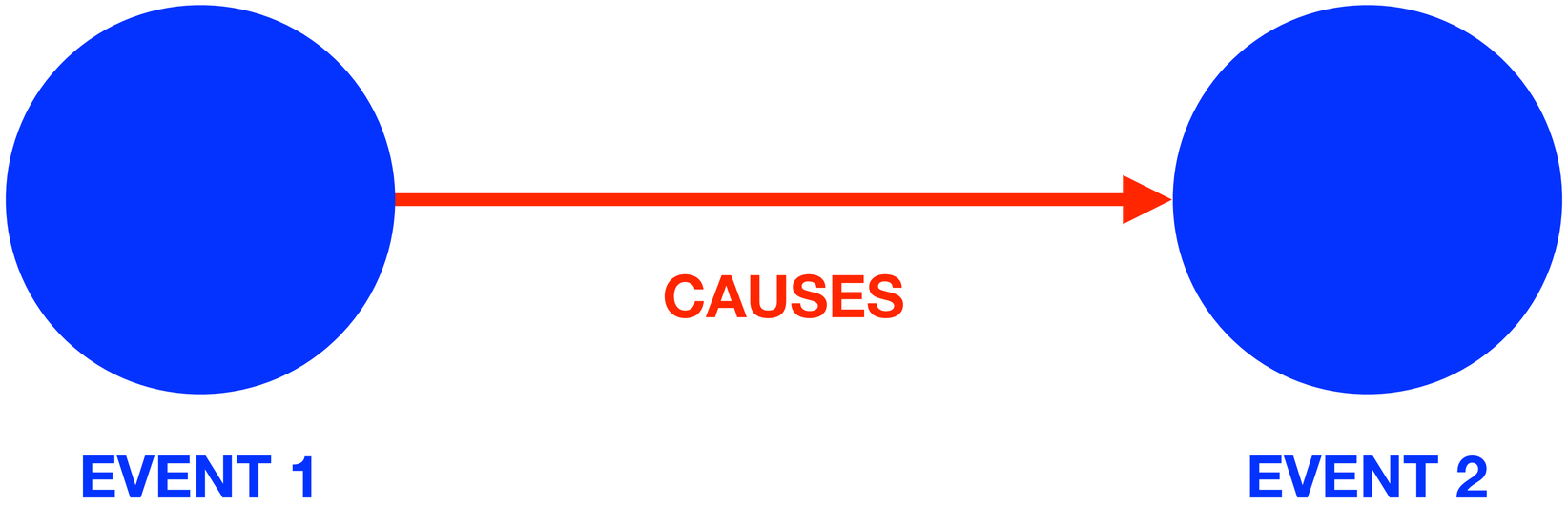


Example: **Facebook friends**

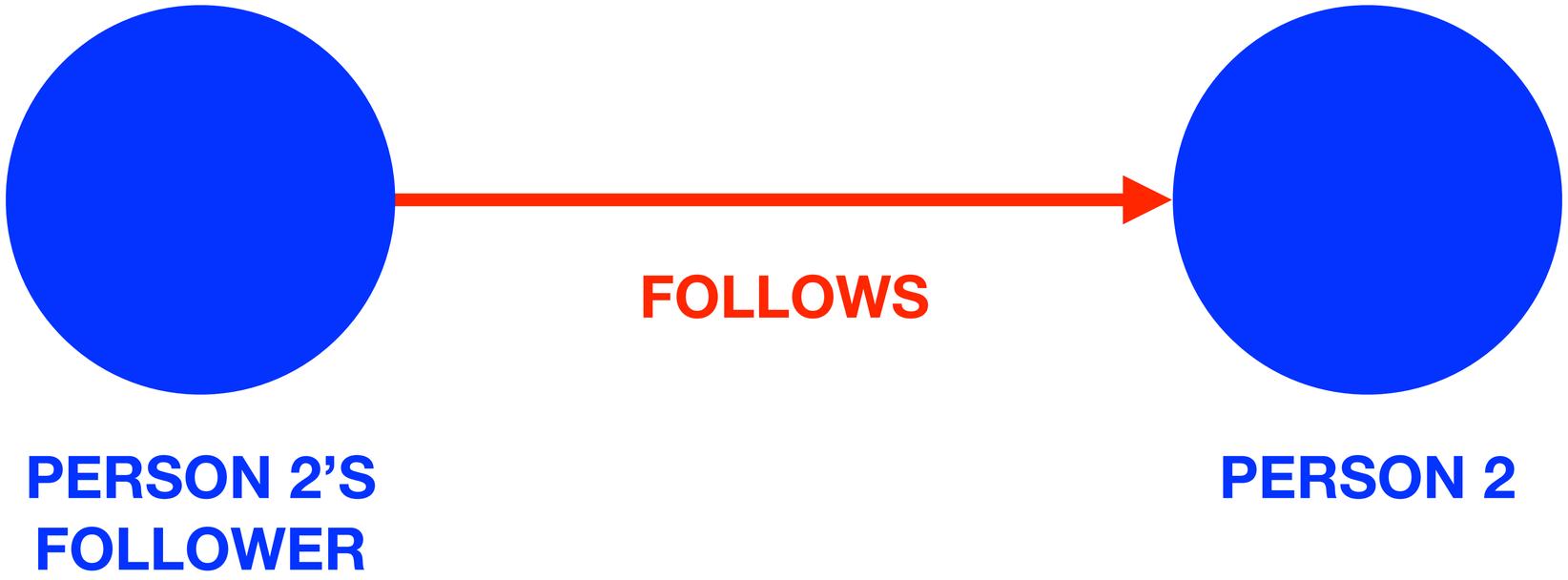
Example: **Conversation between two people**

Example: **Subway stops**

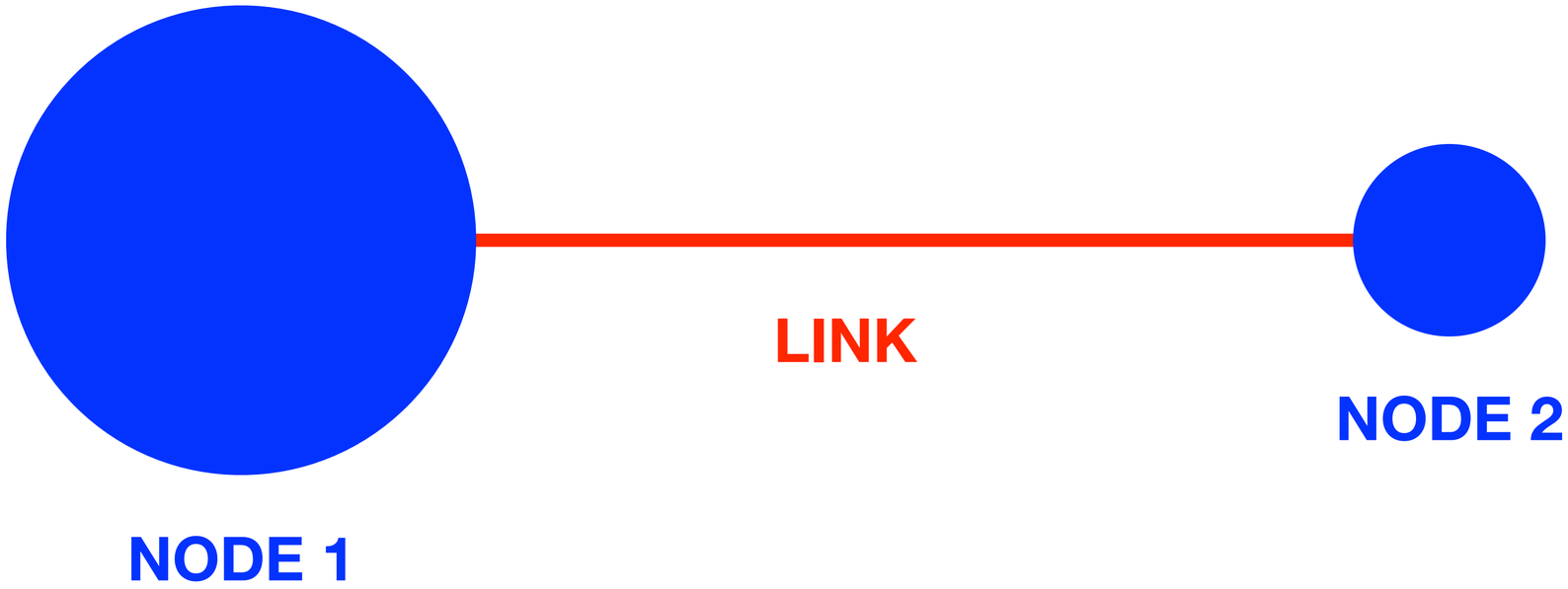
Example: **Cause & effect**



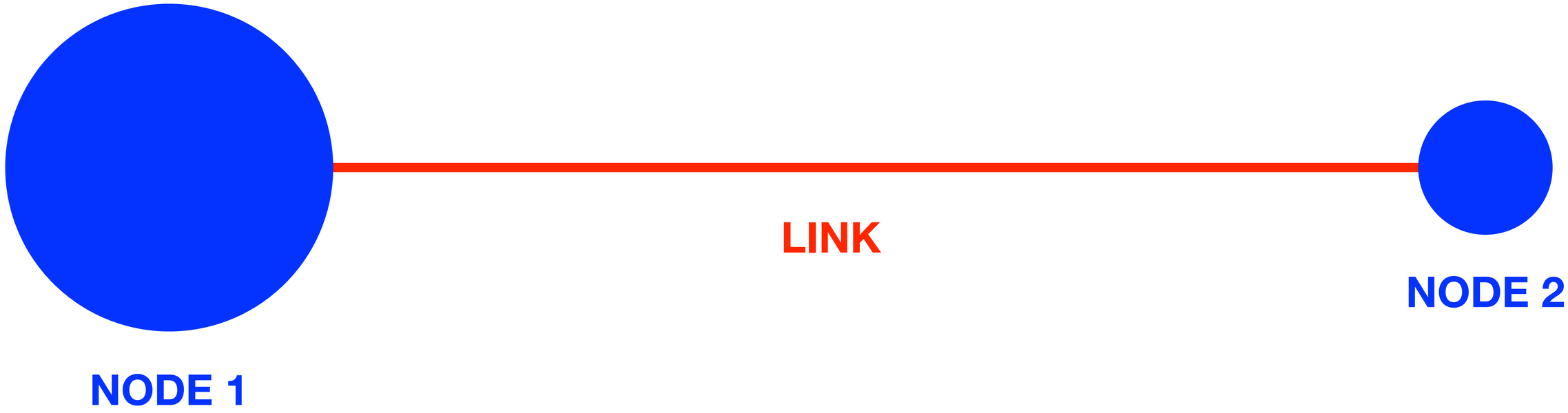
Example: **Twitter follower**



Anatomy of a network diagram



Anatomy of a network diagram



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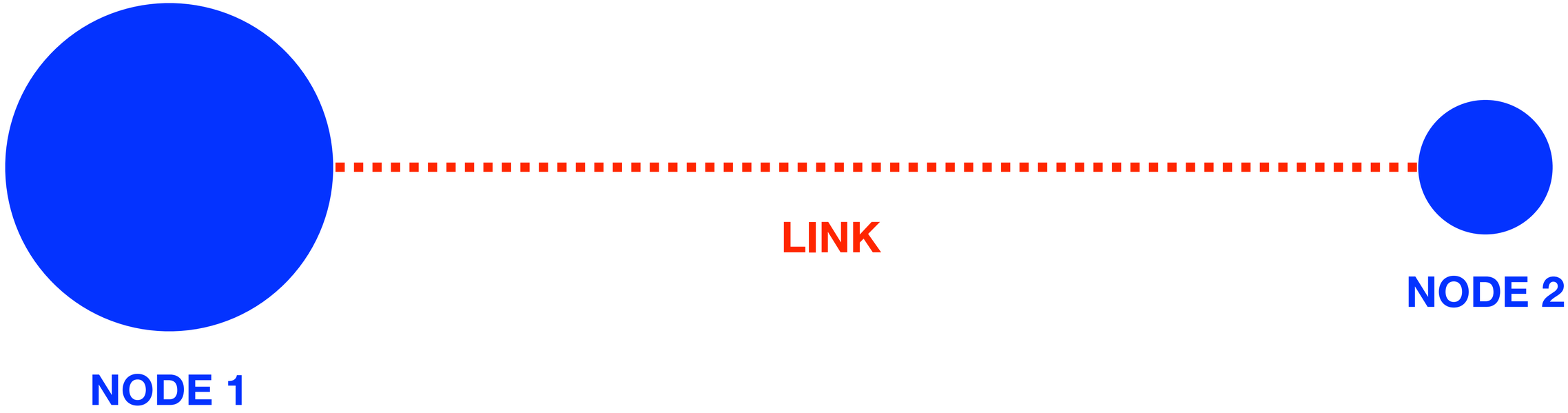
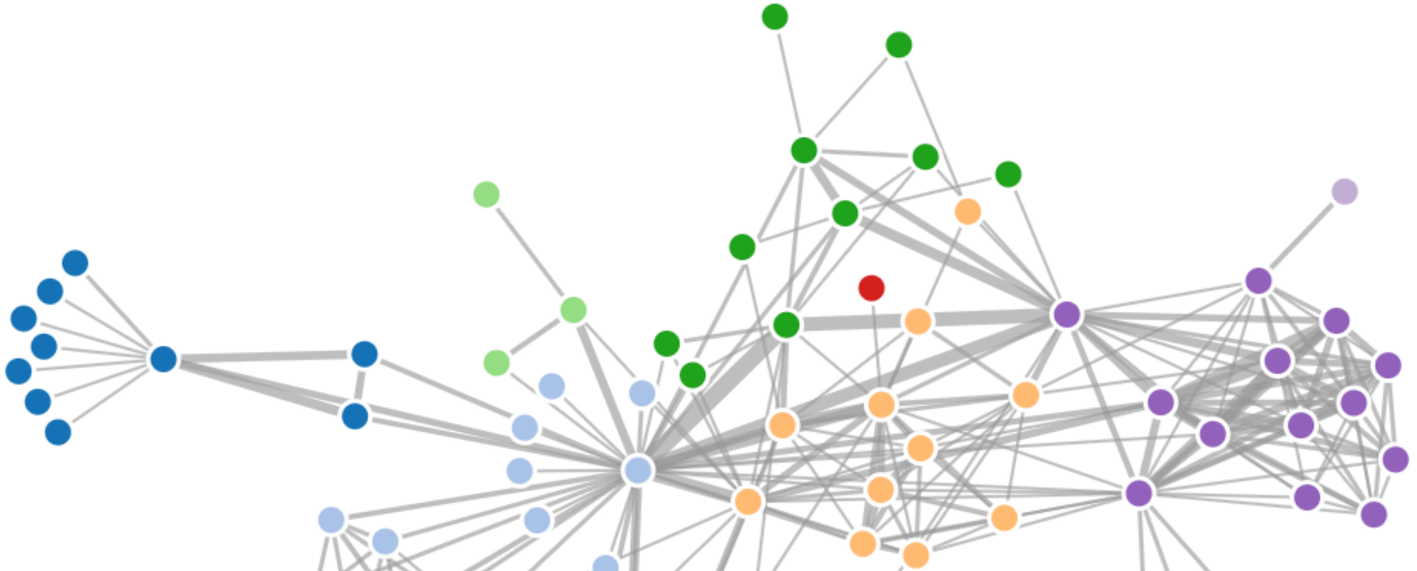


Case Studies

Network visualizations in the wild

- Bloomberg Graphics — Who Marries Whom
- How Disinformation Spreads in a Network
- Lexical Distance Among Languages in Europe
- Choose Your Own Adventure Maps



STUDIO –
Introduction to Network Visualization with Gephi

https://github.com/emilyfuhrman/datavis_design