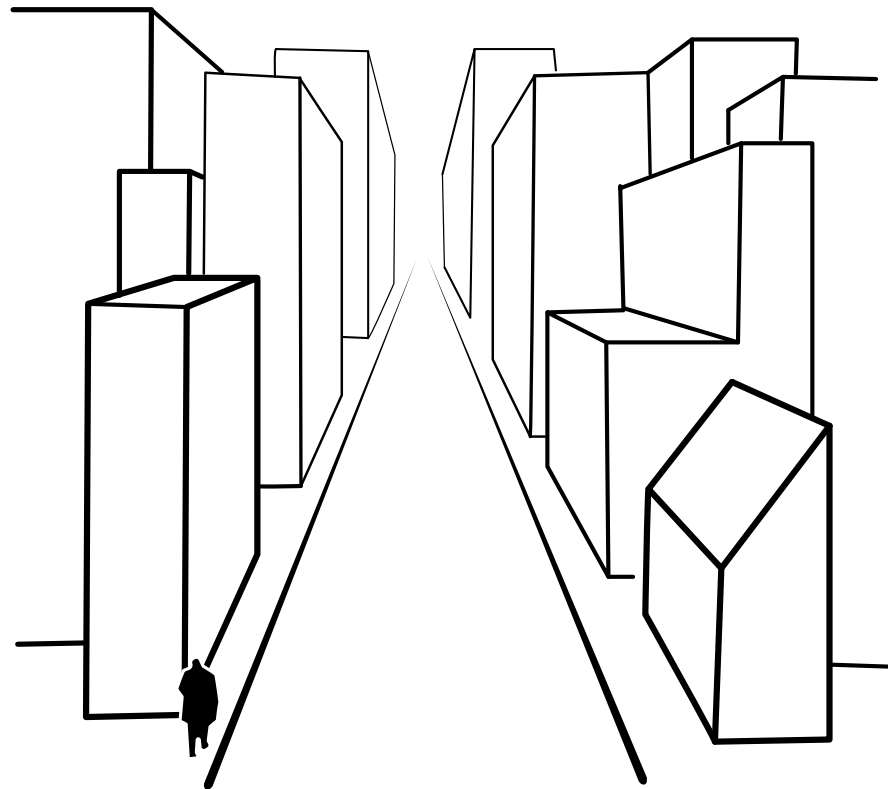


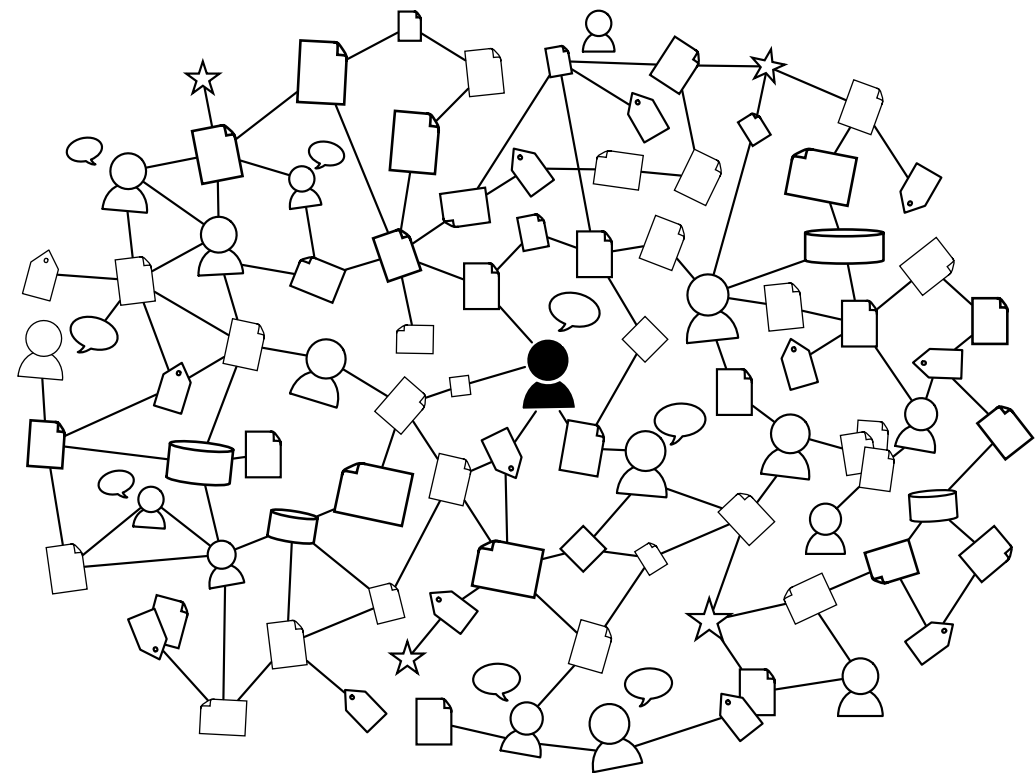
Shifting between Situated Perspectives on Data

Marian Dörk – Potsdam University of Applied Sciences
2015-02-24

City



Data



Commonalities: size, significance, struggles

Overviews



Photo: José Luis Mieza

Overviews

Approaching big-data challenges with big-picture views
to find global patterns across space and time

Promise: “Seeing everything from nowhere” (Haraway)

Photo: José Luis Mieza

Movements



Photo: Luc Mercelis

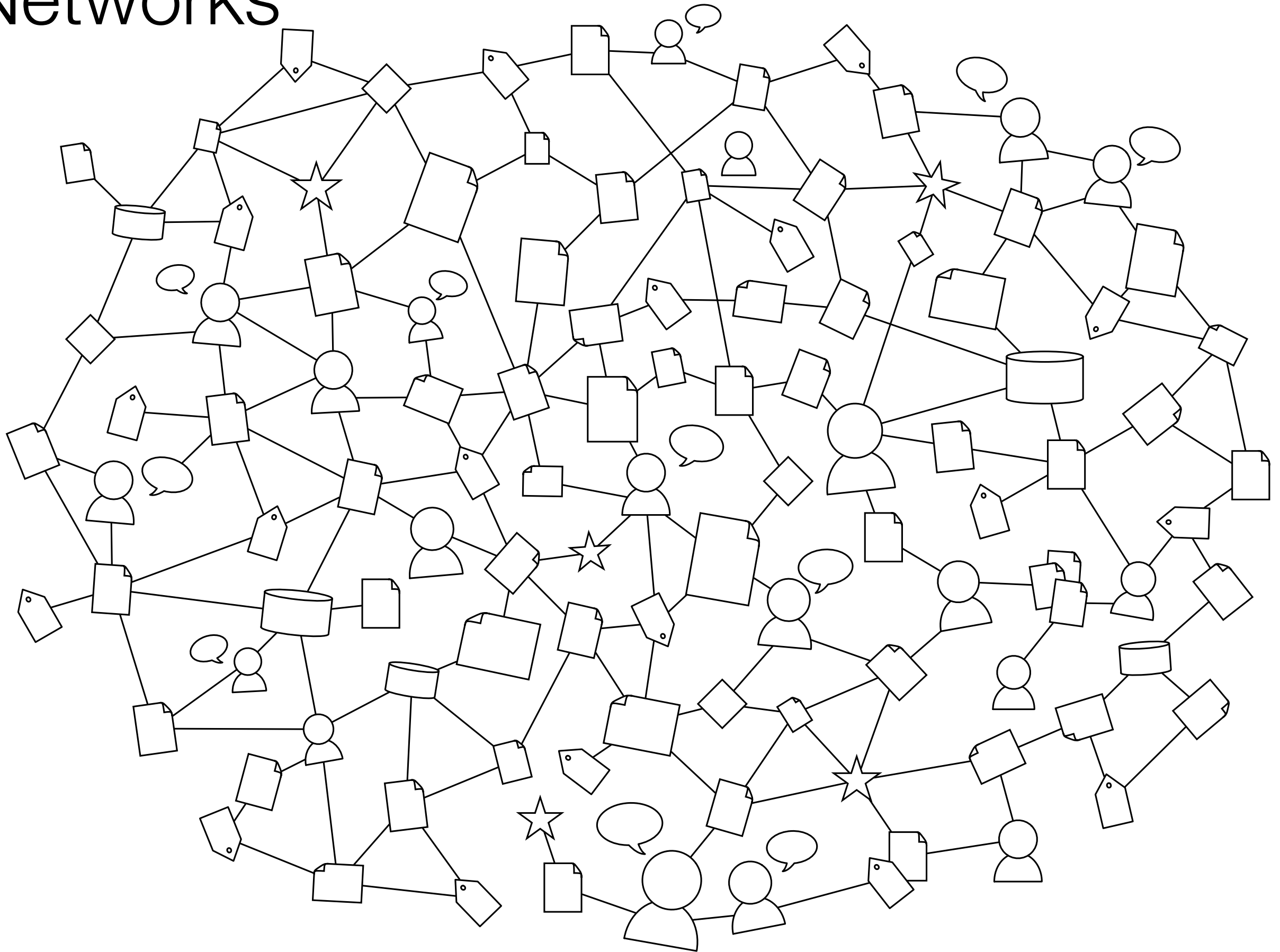
Movements

Approaching complex data in lateral movements along local views to gradually make sense of relationships

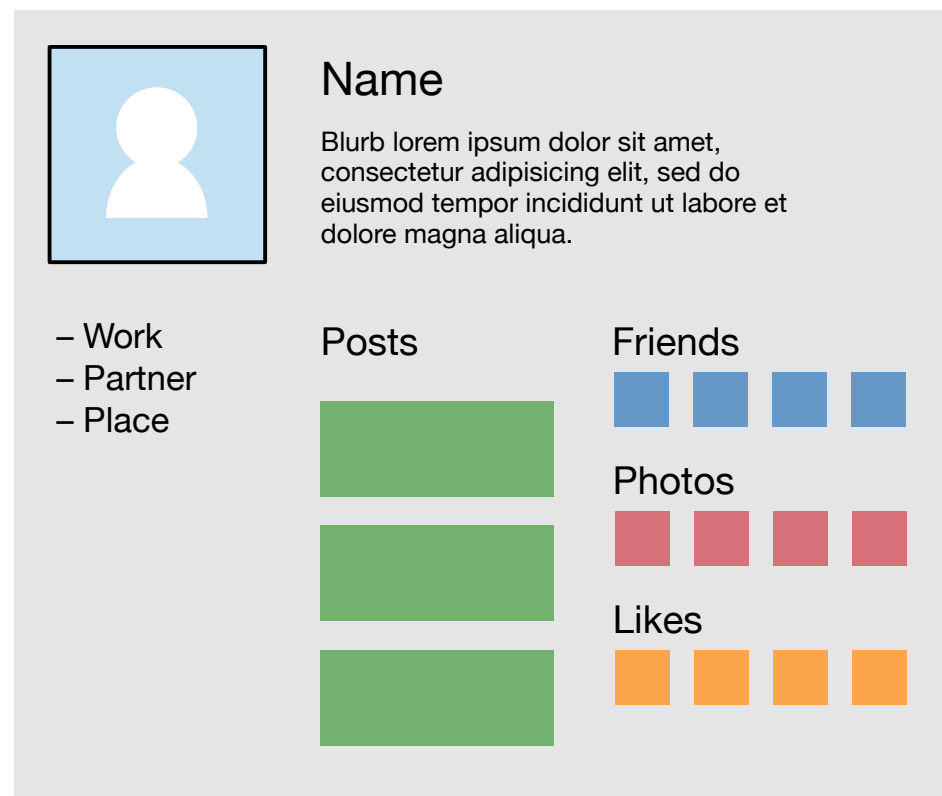
Aim: Support interpretative engagement with data

Photo: Luc Mercelis

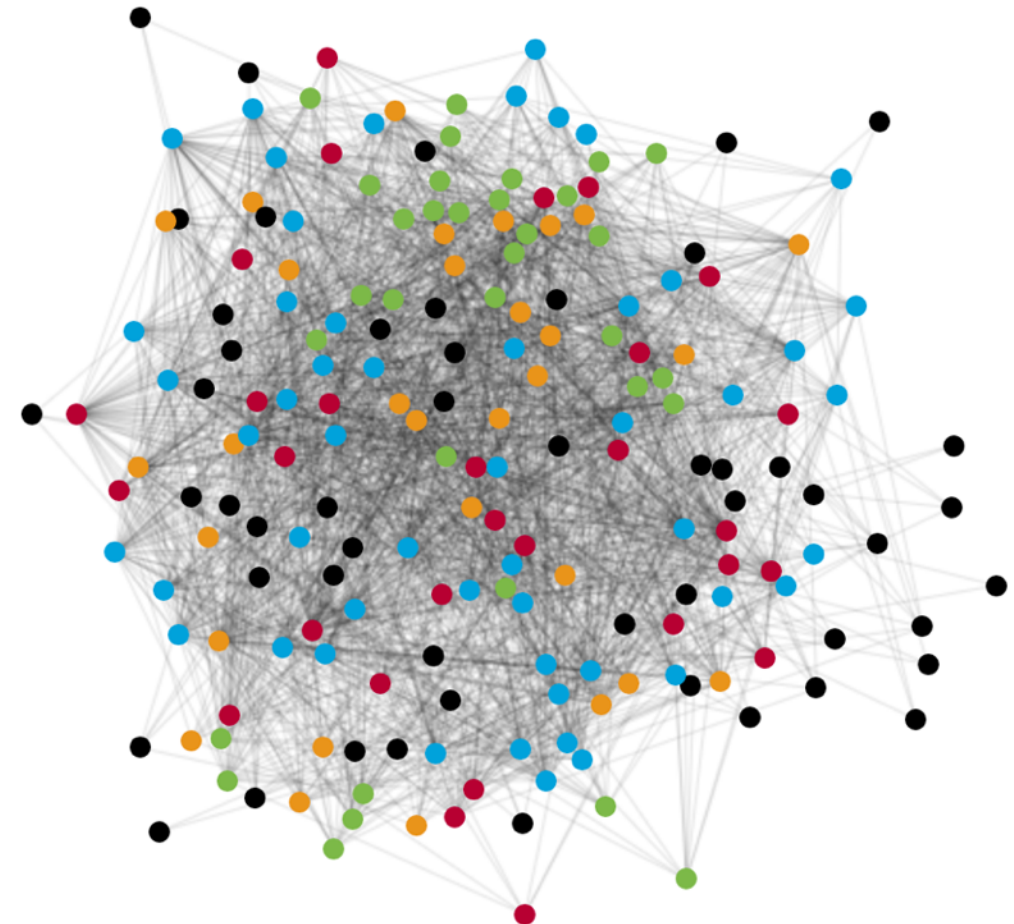
Networks



Networks

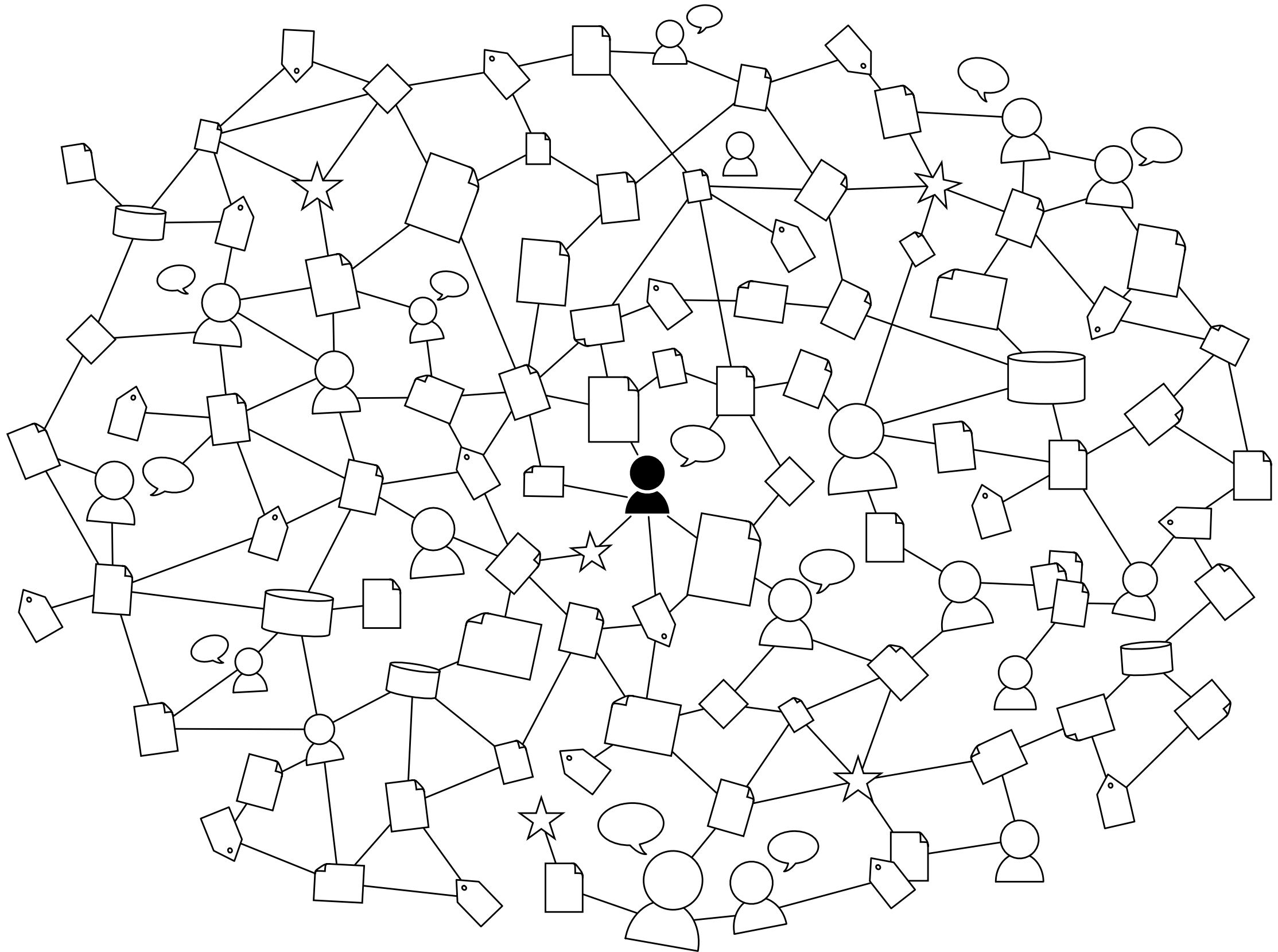


Profile pages



Network visualizations

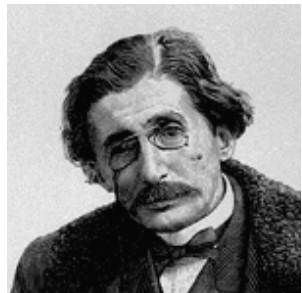
Exploration between part and whole



Monads



A monad is not a part of a whole,
but a point of view on all the entities
[Latour et al. 2012]



Each monad draws the world to itself,
and thus has a better grasp of itself.
[Tarde 1895]

Monadic principles

Having

Represent the relational world of a collection

Difference

Reveal an element's distinct position in a collection

Movement

Support navigation between overlapping monads

Monadic exploration

Open-ended movement along overlapping perspectives in relational collections

Overall aim

Treat elements as vantage and navigation points

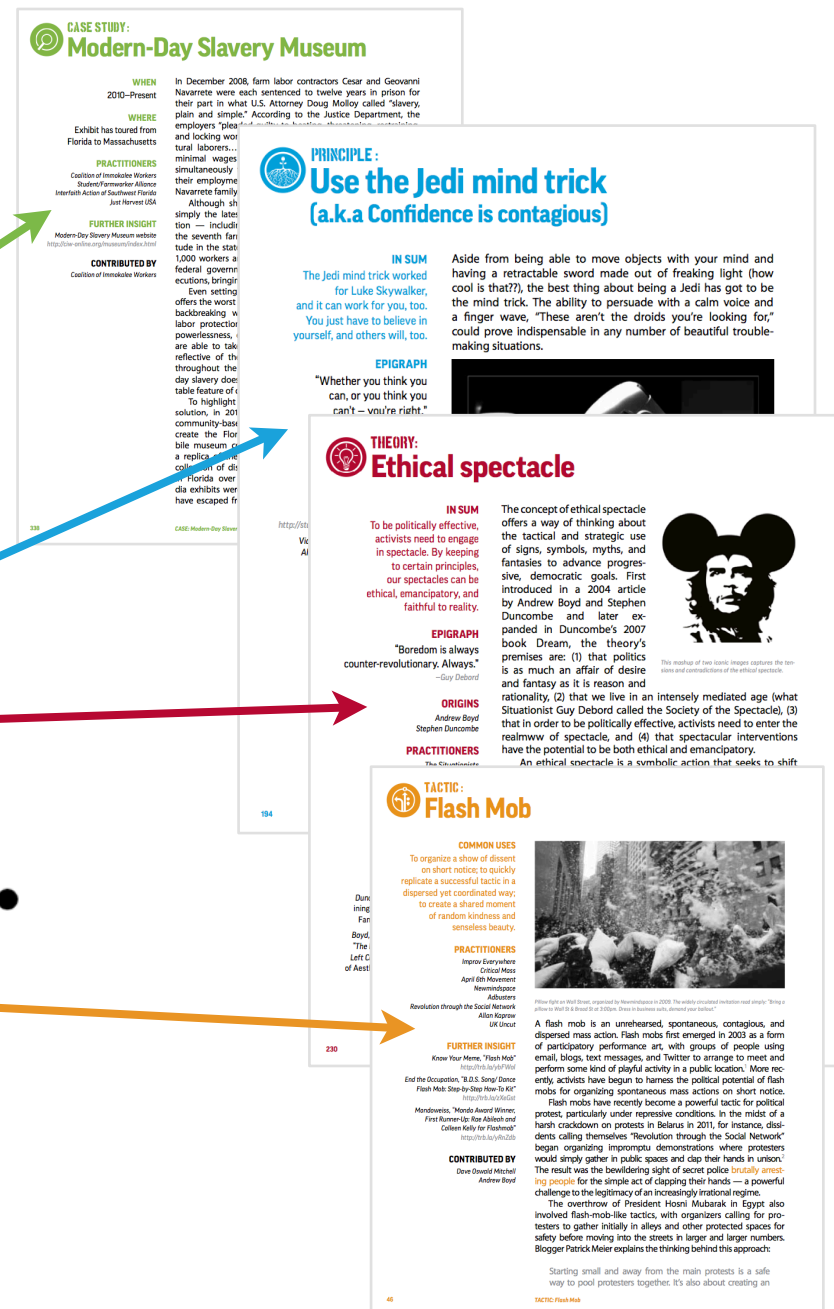
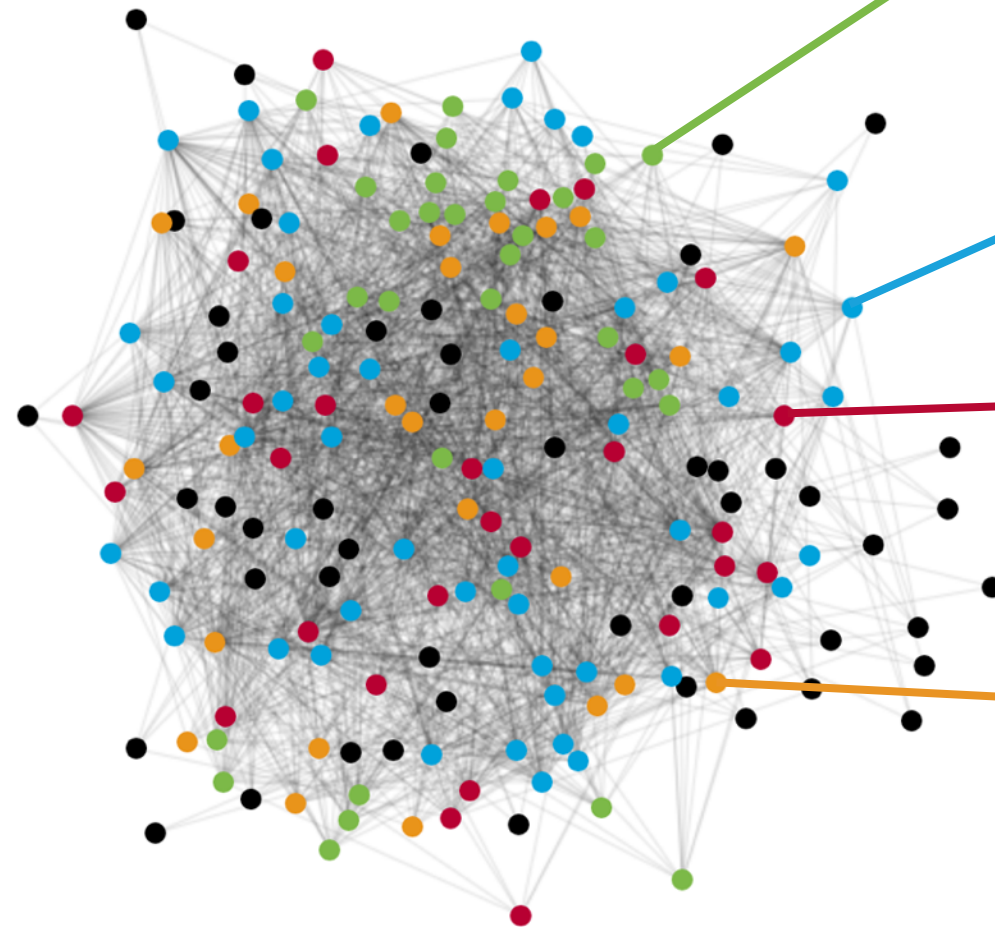
Design goals

Offer elastic layout

Reveal difference

Integrate search

Beautiful Trouble



Highly cross-referenced book on creative forms of activism

186 short entries having one of 5 types:

tactics, principles, theories, case studies, practitioners

Demo

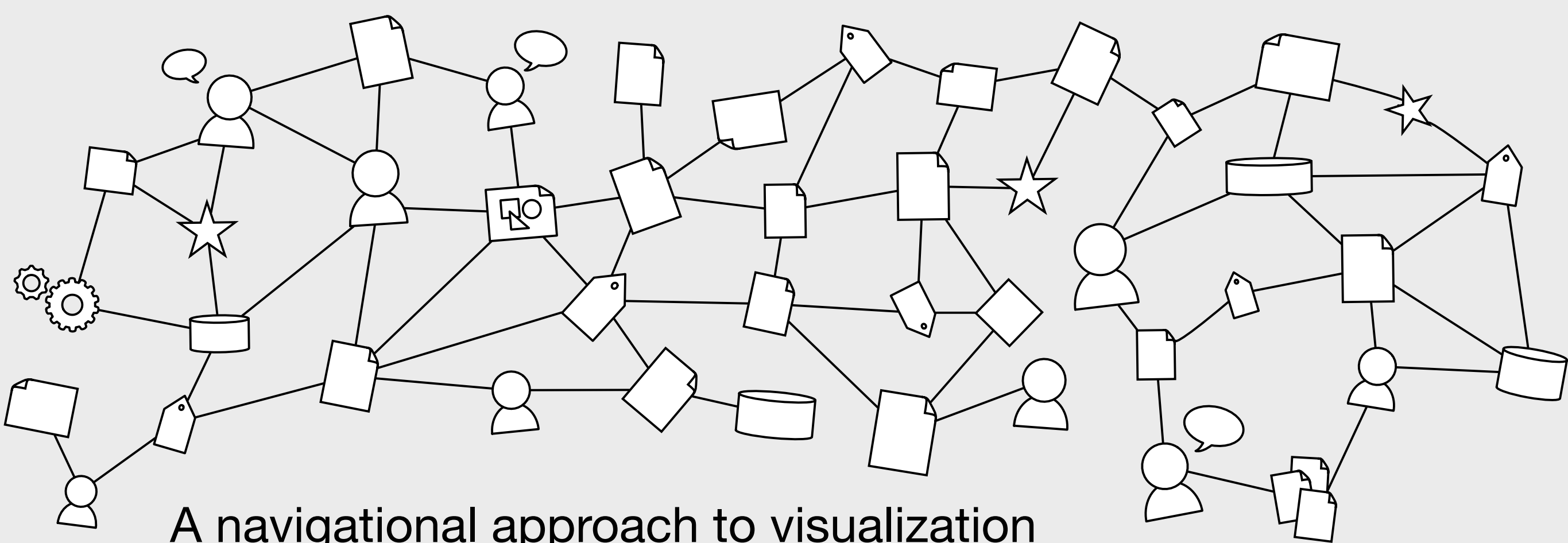


Demo 2



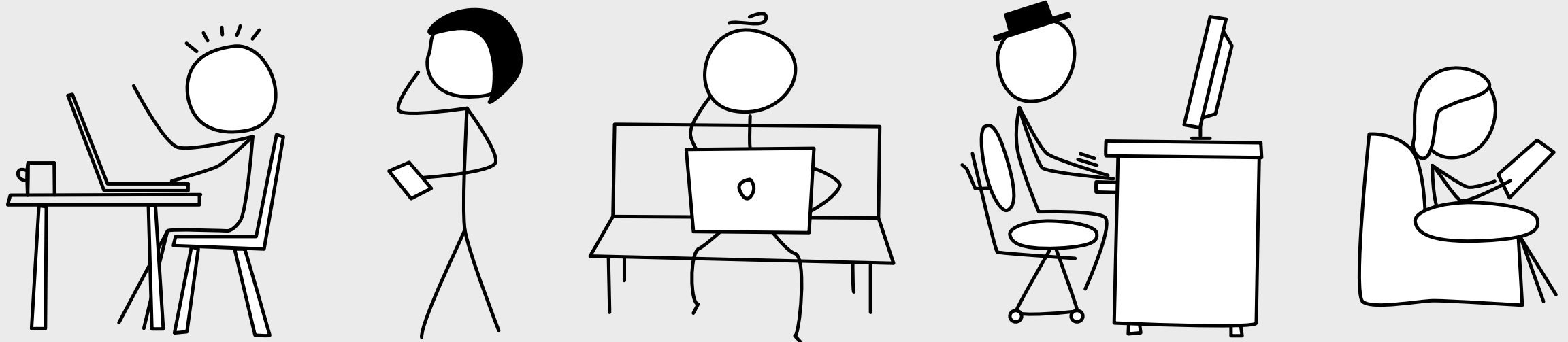
Towards data visualization at street level!





A navigational approach to visualization

- Orientation: Elements as vantage and navigation points
- Continuity: Display state changes animated in stages
- Serendipity: Encourage tangential movements



Thank you

✉ doerk@fh-potsdam.de

🌐 mariandoerk.de

🐦 @nrchtct



stick figures by xkcd

