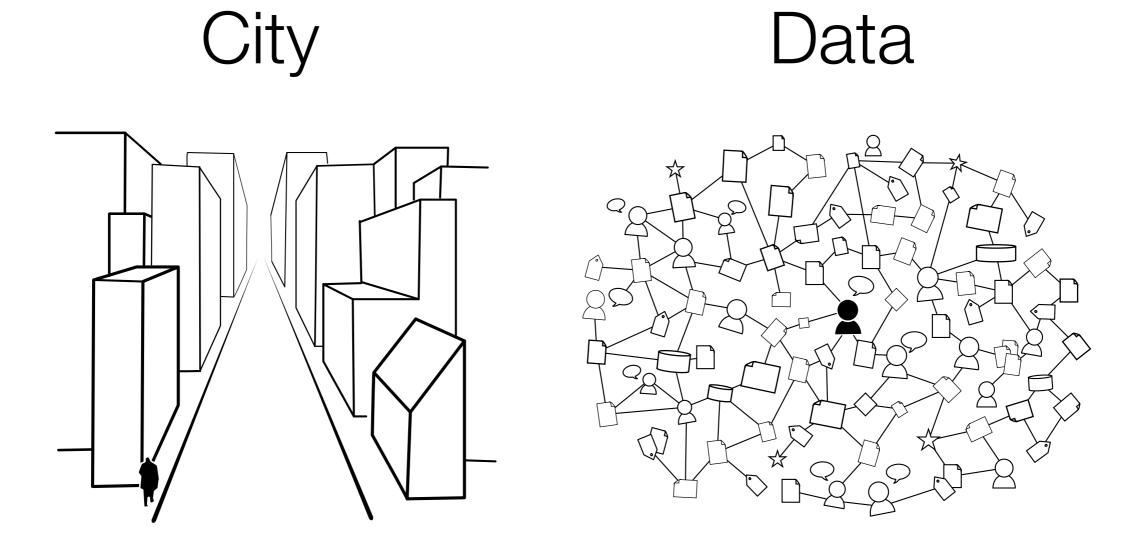


Shifting between Situated Perspectives on Data

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



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

Le Petit Parisien

01.42.54.24.21

Photo: Luc Mercelis

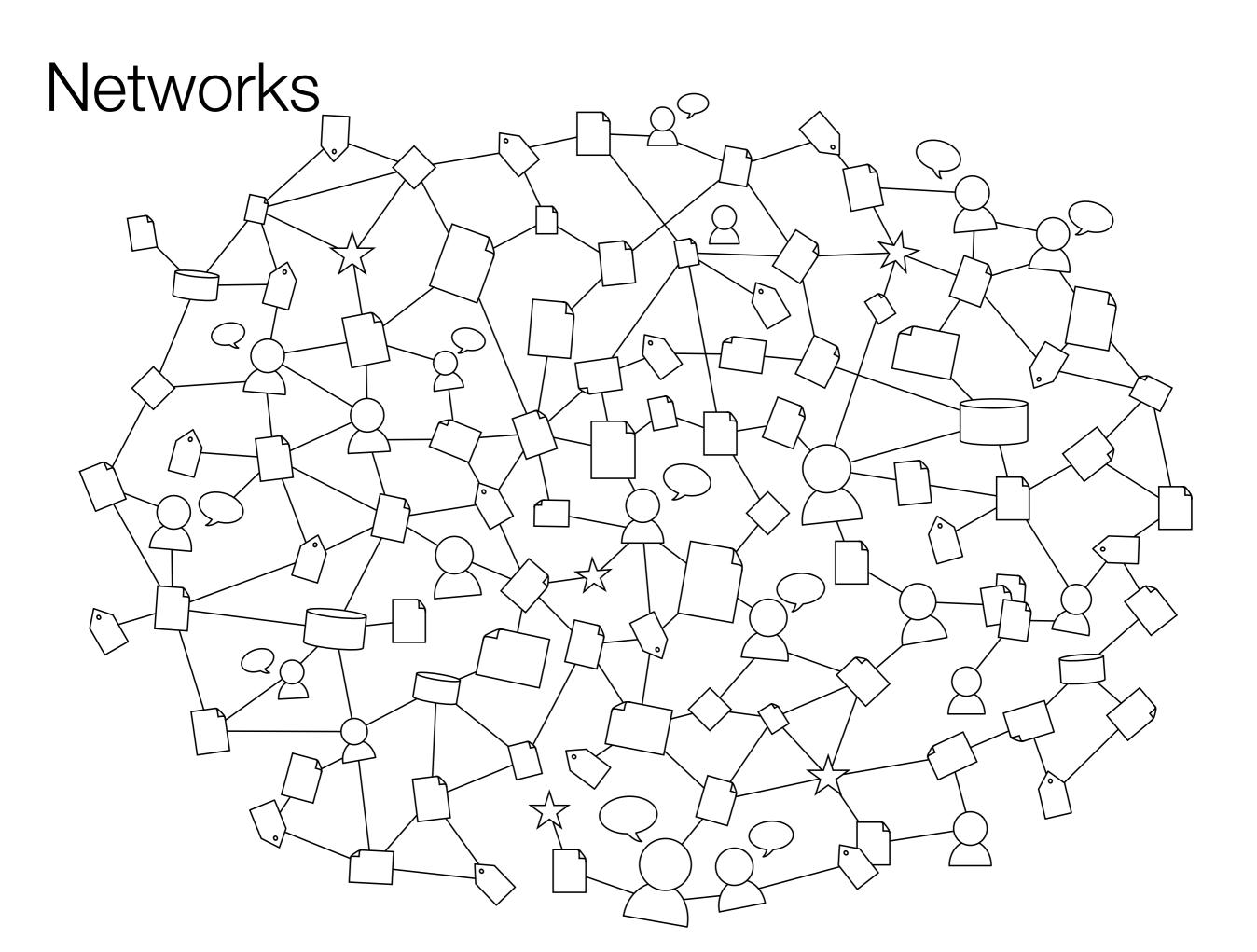
Movements

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

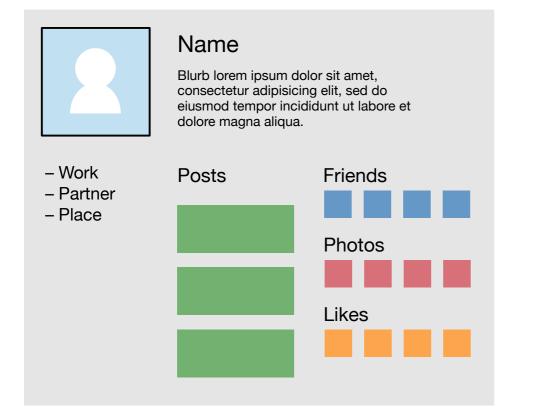
Aim: Support interpretative engagement with data

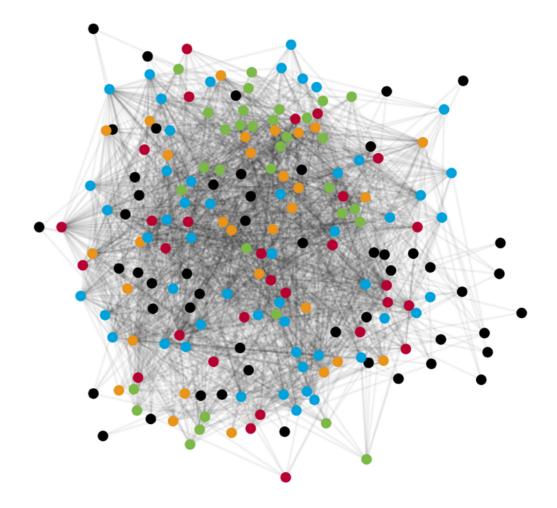


Photo: Luc Mercelis



Networks

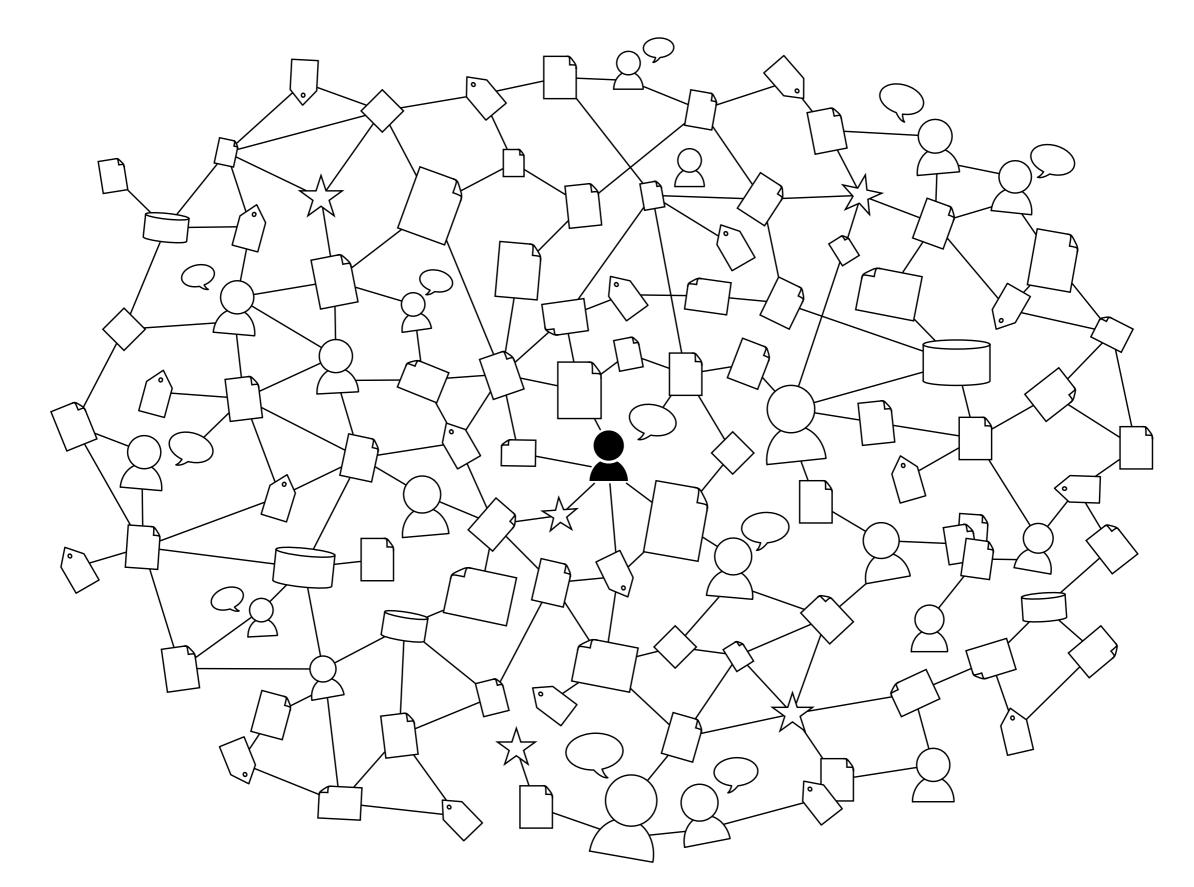




Profile pages

Network visualizations

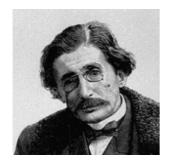
Exploration between part and whole



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

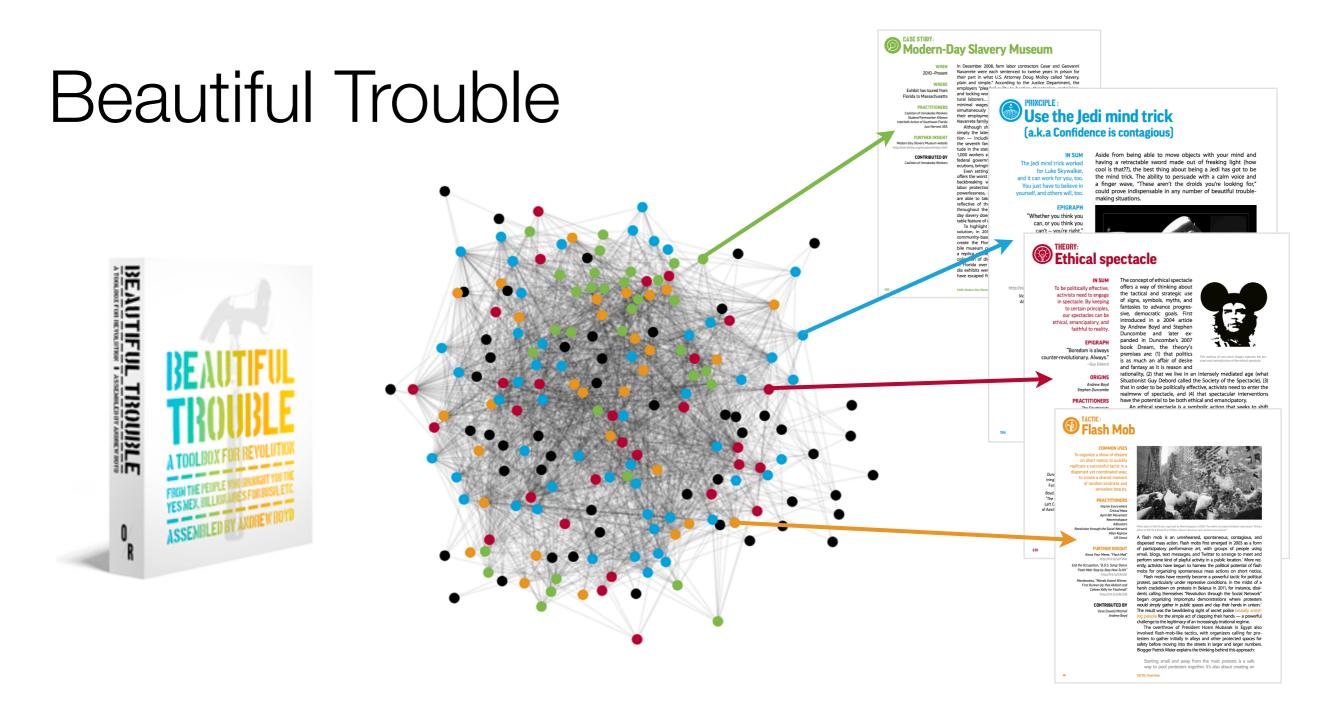
Open-ended movement along overlapping perspectives in relational collections

Overall aim

Treat elements as vantage and navigation points

Design goals

Offer elastic layout Reveal difference Integrate search



Highly cross-referenced book on creative forms of activism

186 short entries having one of 5 types: tactics, principles, theories, case studies, practitioners

Demo

Center

The Nihilist D

The B

The Teddy Beal

Santa Claus Army

Harry Potter Alliance

Modern-Day Slavery Museum •

Colbert roasts Busher sit-in

Billionaires for Bush

The propaganda model

Society of the spectacle.

2000 Hard

Political destitut paradot

Points finanem

Hashiag pol

Expressive and instrumenting

Principle atam

Make the invisible visible

Many injustices are invisible to the mainstream. When you bring these wrongs into full view, you change the game, making the need to take action palpable. Social problems are often obscured by distance, ...

• Ba

Balance art and mest branded hy as you organize • Bri

Consider your audience

If protest is made illegal, make daily life a protest

Do the media's work for them

Cultural hegemony Antiepation

Use the power of ritual

prejudices against them ain't the Sistine Chapel

Demo 2



Towards data visualization at street level!



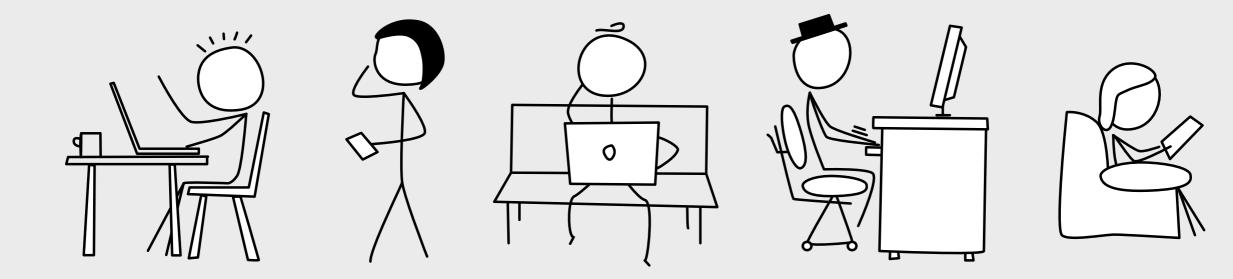


A navigational approach to visualization

Ro

(Of C

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







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11/

URBAN COMPLEXITY LAB



GEFÖRDERT VOM



Bundesministerium für Bildung und Forschung



stick figures by xkcd