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Open Data Infrastructure for Social Science and Economic Innovations

Use Cases – COVID transmission

- Do we observe increased risk of COVID transmission through the network?
- Which Layers? Which Relationships?
- Does this vary over the duration of the pandemic?

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Erasmus University Rotterdam

Utrecht University

Rijksinstituut voor Volksgezondheid en Milieu
Ministerie van Volksgezondheid, Welzijn en Sport

Ministerie van Volksgezondheid, Welzijn en Sport

Use Cases – Survey Linkage

- How independent are survey respondents from each other?
- Does network position/segregation/entropy affect attitudes, values & behaviours?
- Do relationships reported in surveys, map onto networks identified via CBS?

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SHARE Survey of Health, Ageing and Retirement in Europe 50+ in Europe

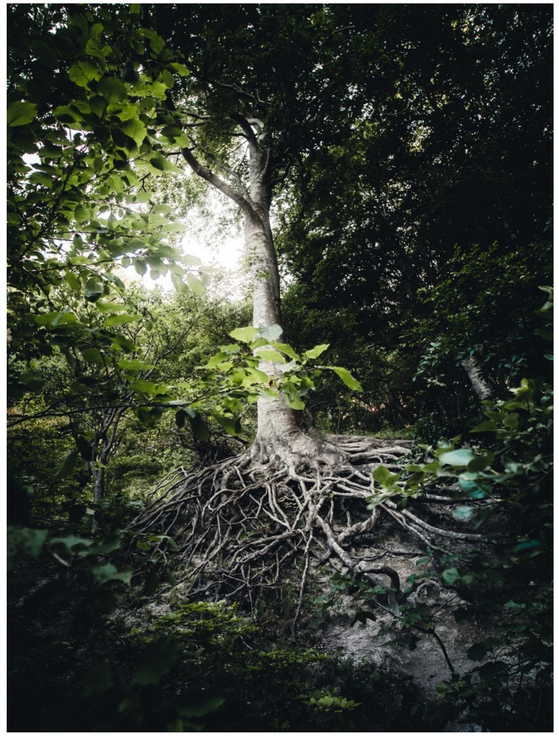
LISS PANEL

GGP

Nationaal Kiezersonderzoek

Use Cases – The Dutch Family Tree

- 87.4% of the population in a single component in the family network
- 84% of the 1900-1922 cohort from HSN can be linked to CBS
- Reconstructing intermarriage and migration patterns of the last century
- Potential applications for heritability



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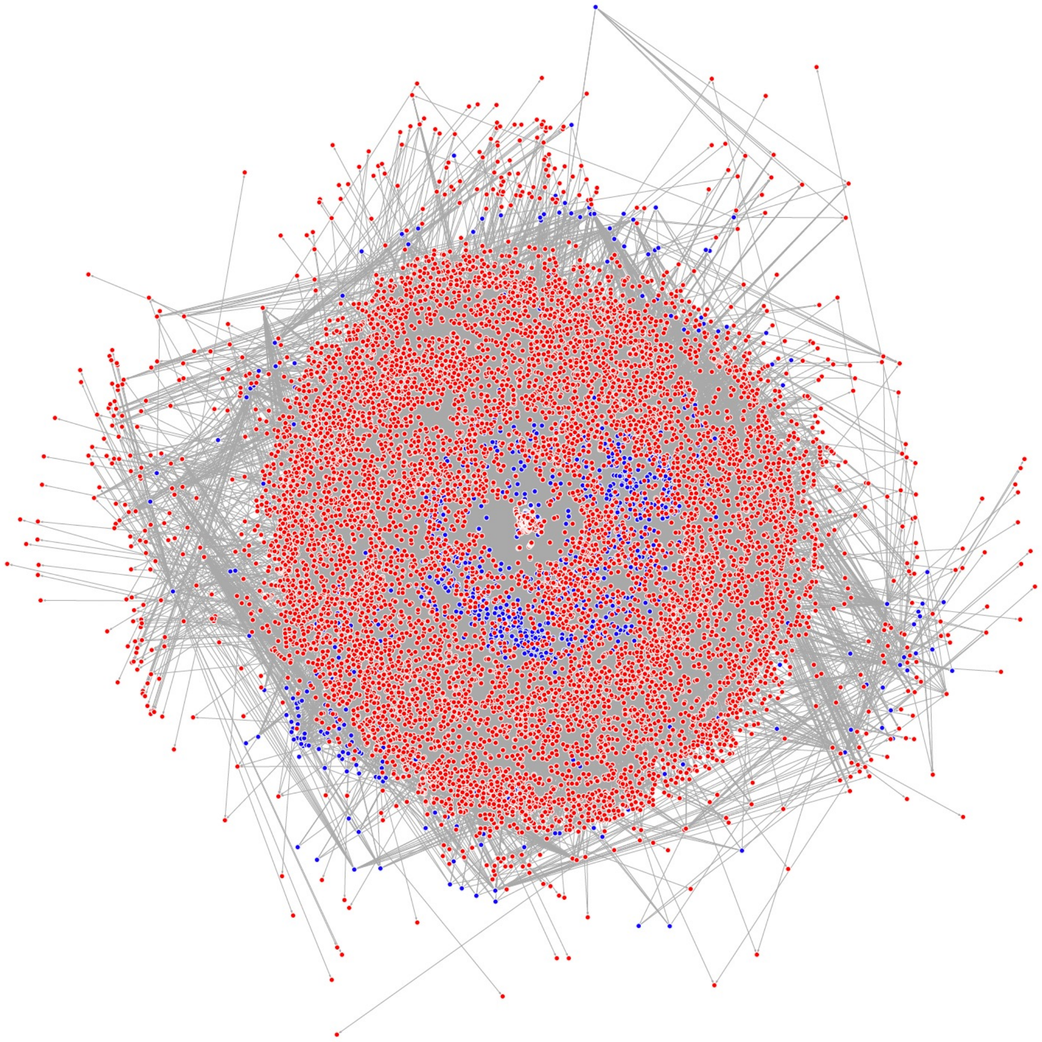
Netherlands Twin Register
Twin and family research

HSN

POPNET

Beyond the Personal Network File

- CBS is intensively linked data using PID’s
- 1,300 data files and 11,000 variables
- RINPERSOON appears in 400+ files
- 20+ contain multiple RINPERSOON
- Large number of other PID’s



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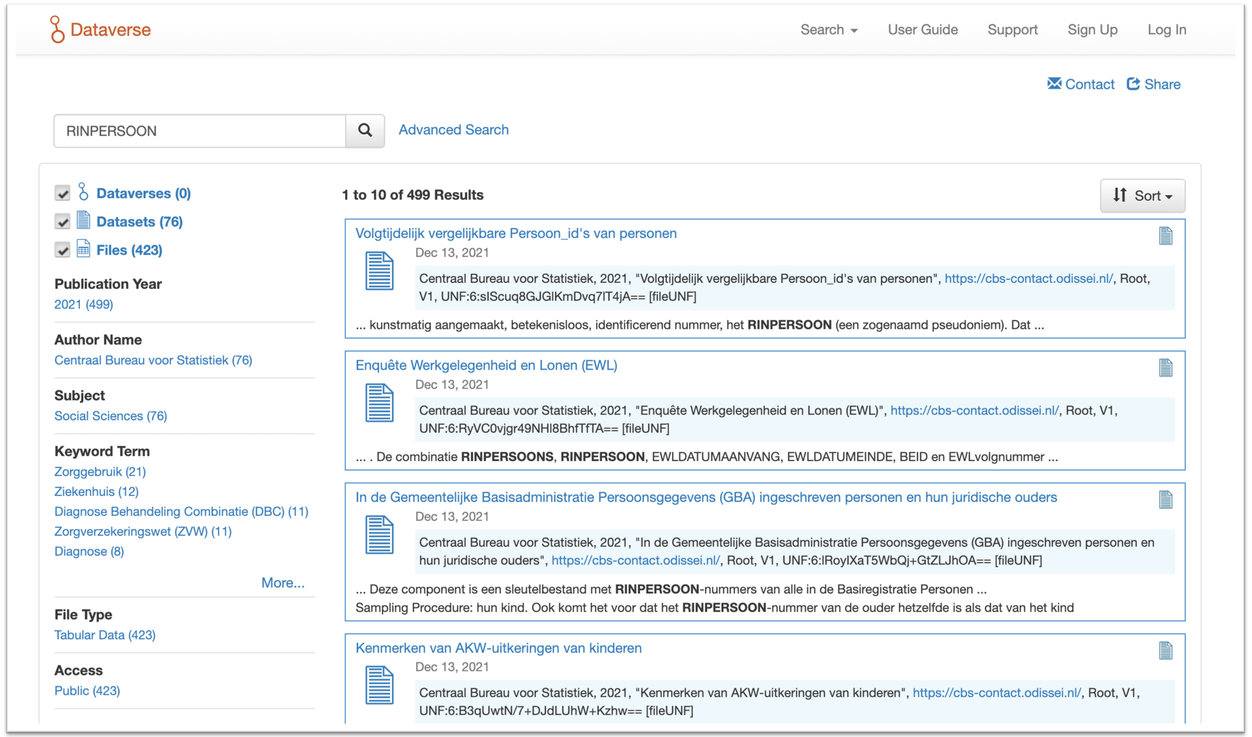
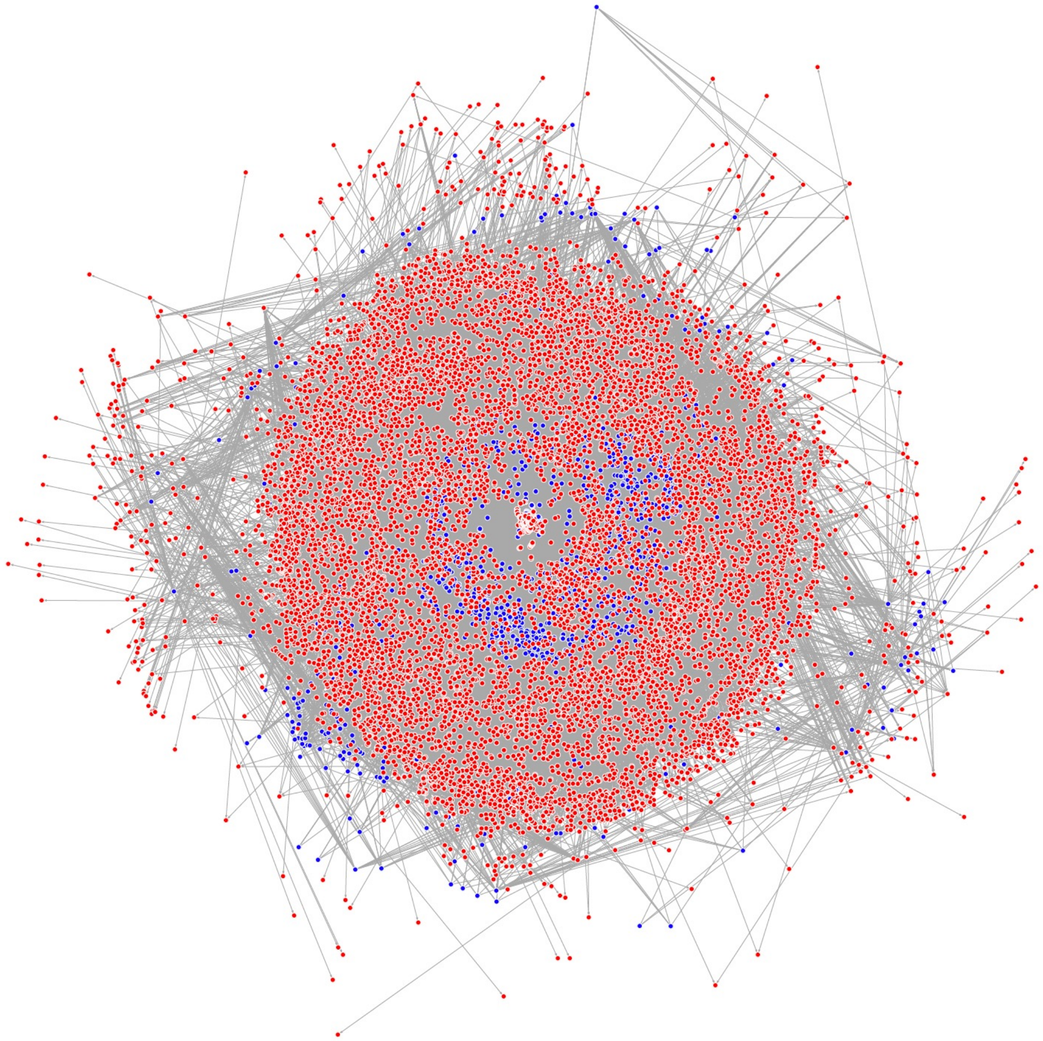
Navigating the CBS maze





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Other ODISSEI Services

- The ODISSEI Secure Supercomputer for computationally intensive analysis
- Microdata Access Grants for researchers
- Microdata Access Discount
- ODISSEI Summer School in Computational Social Science
- SoDA team & eScience support

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Any questions

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