Visualising Complex Linked Data

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Overview

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Motivation

The linking of large and complex databases

- allows enrichment of data
- helps improve data quality
- enables data mining on multiple databases

The visualisation of complex linked databases

- identify potentially wrong or inconsistent links
- better understand the characteristics of linked data
Example
Example(2)
Problem definition

- **Aim:** research and develop novel network- and graph-based visualisation techniques for complex linked data.

- **Outcomes:** A set of Python prototype programs that generate different visualisations of the Isle of Skye historical data, and a report describing implemented visualisation techniques.
Solution

- The visualisation of a life segment
- The visualisation of multiple life segments
- The visualisation of a family tree
- A community? A town?
Challenges

- Satisfy requirements from both data linkage researchers and demographic researchers
- Flexibility
- Privacy issues
Thank you!