

Chapter Seven: Recognising and Visualising Relationships – Working with Networks

Skills trainings in this chapter

Skills training 7.1: learning terminology

Skills training 7.2: using networks for conceptual-level analysis

Skills training 7.3: creating and working with networks

Skills training 7.4: working with the Relations Editor

Skills training 7.5: working with hyperlinks

Projects for skills trainings

On the book's companion website (<https://study.sagepub.com/friese3e>), you can find and download several sample projects to use as you work through the skills trainings the book offers.

For this chapter, you can work with the following sample projects:

- **Children & Happiness analysis** for skills training 7.2 to 7.5

Video tutorials

On the book's companion website (<https://study.sagepub.com/friese3e>), you can find links to video tutorials that offer step by step guidance about using ATLAS.ti so you can learn to master the software at your own pace.

Title: Did you ever wonder what is behind the ATLAS.ti network function?

URL: <https://www.youtube.com/watch?v=CwXFJ65-CDg&t=180s>

Title: ATLAS.ti 8 Windows: Visualizing Linkages in Networks

URL:

<https://www.youtube.com/watch?v=llelw22MFeo&index=22&list=PL8CTEdsSSmZEdst4E2bJ06Gp9V eE3fouV>

Title: ATLAS.ti 8 Windows: Creating and displaying semantic linkages

URL:

<https://www.youtube.com/watch?v=kRJ3EZpB4gc&index=23&list=PL8CTEdsSSmZEdst4E2bJ06Gp9VeE3fouV>

Title: ATLAS.ti Mac: Working with networks

URL: <https://www.youtube.com/watch?v=6R2WdM4m2ok&t=16s>

Title: ATLAS.ti Mac: Hyperlinking

URL: https://www.youtube.com/watch?v=XA1z_Yx4_vw

Further reading

Here Susanne has carefully put together a selection of articles, chapters and other resources to help you successfully complete a qualitative data analysis project.

On concept maps and conceptual diagrams:

http://en.wikipedia.org/wiki/Concept_map

Novak, Josef D. and Cañas, Alberto J. (2006). *The theory underlying concept maps and how to construct and use them*. Institute for Human and Machine Cognition.

https://web.stanford.edu/dept/SUSE/projects/ireport/articles/concept_maps/The%20Theory%20Underlying%20Concept%20Maps.pdf

Slone, Debra J. (2009). Visualizing qualitative information, *The Qualitative Report*, 14(3), 488–97.

<https://nsuworks.nova.edu/tqr/vol14/iss3/8/>

The author calls for better visualization tools to be able to scrutinize, digest, and share qualitative data and products of analysis in an effective way and presents a way on how this can be done.

Developing an ATLAS.ti Relation Database for Social Research Projects,

<https://atlasti.com/2015/07/06/developing-an-atlas-ti-relation-database-for-social-research-projects/>

The author Agnes Mühlmeier-Mentzel argues for and present a list of relations, which are useful and suitable for social science research projects using Grounded Theory Methodology.

Hyperlinking in ATLAS.ti: Expanding the Boundaries of Data Exploration,

<https://atlasti.com/2015/07/06/hyperlinking-in-atlas-ti-expanding-the-boundaries-of-data-exploration/>

In this article, the author Ricardo Contreras describes the role of hyperlinking in data analysis with ATLAS.ti.

Review questions

When you have worked through all skills training, you should be able to answer the following questions:

- 1 What are networks?
- 2 What can you do with networks?
- 3 Which objects can be contained in networks?
- 4 What is meant by first- and second-class relations?
- 5 Which objects can be linked via first- and second-class relations?
- 6 How can you modify existing relations or create new relations?
- 7 Think of a suitable way to make use of the three alternative link labels.
- 8 How can you save a network and when do you need to do so?
- 9 How can you export networks?
- 10 In what way and for what purpose can you use the network function for analytic purposes?
- 11 Why should networks not be used for organizing your codes into higher and lower order codes?
- 12 Explain the code forest and why it cannot be used in the same way as a hierarchical tree display of codes.

- 13 What are hyperlinks?
- 14 How could you use hyperlinks in your own project to enhance data analysis?
- 15 What are the steps involved in creating hyperlinks?
- 16 How can you recognize hyperlinks in the margin area and the Quotation Manager?
- 17 How can you browse hyperlinks?
- 18 Where can you see and edit all created first-class linkages?