

# Automatic generation of Blaise data models

Lars Jørgensen, Saliha Zayoum and  
Leif Bochis Madsen,  
Statistics Denmark

# Who are we?

- Interview Service division provides telephone interviewing and web questionnaire services for internal and external customers
- 50-60 new or updated surveys every year
- Short turn-around from contract via specification to data collection

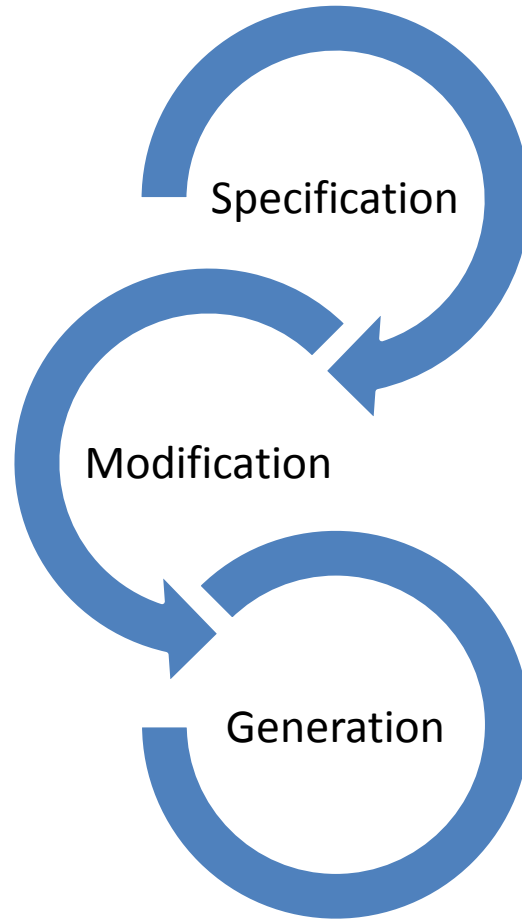
# Background

- A mature Survey Management System
- A set of datamodel templates
- Several studies in "How to achieve your goals without really working for it..."
- Excel spreadsheets, Word macros, etc.
- Innovation is just fun!

# Purpose

- Autogenerate as much as possible
- Let the customers do as much of the work as possible
- (or: Involve the customers in the development process in order to increase quality and mutual understanding of the project...)

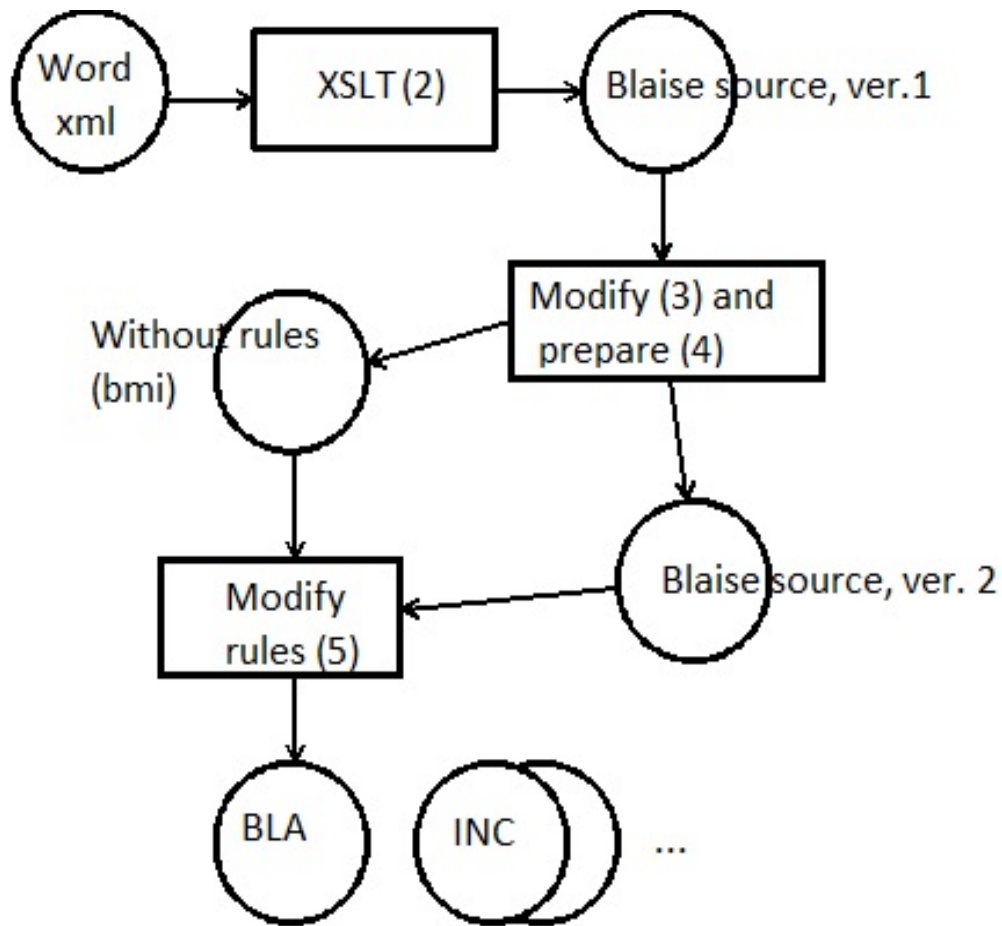
# Work flow



# Technique

- Structured Word documents as input
- XSLT to generate Blaise code
- Manipula programs to modify Blaise code
- Blaise API to modify and install web questionnaires etc.

# Transformation



# Demo



# Conclusions

- Faster development
- Fewer errors
- Improved cooperation
- In short: Faster, cheaper, better
- 90 %
- 2 years old and still growing...

Thank you!