Main suggested topics

1. Challenges of student evaluation surveys (SET)
2. Investigation of research integrity in social sciences
3. Methodological issues in web surveys (see the book)

Possible topics

Master and PhD students may involve in some of the current projects (see the list in Slovenian or in English).

Other specific topics for dissertations are arranged by areas.

A. Survey methodology:

- Challenges of student evaluation surveys
- Challenges of measuring the level of academic integrity in social sciences
- Mixed mode surveys: see http://mi.ris.org/uploadi/editor/1258196
- Calling (telephone, personal attempt) strategy modelling: how to optimally schedule telephone calls. Some insight. Three possible directions of work: analytical (demonstrate theoretical conditions), empirical (call data from a real company), simulation (R or S-plus).
- Evaluation of the field substitution procedures (Some sources, also here: PDF). Show with simulations and empirical data when substitutions may work.
- Modified Waksberg-Mitofski procedure for telephone samples (Waksberg et al: Modified WM procedure for telephone surveys, Survey methodology, 1993). Demonstrate that the authors were wrong in this paper. Apply the increase of sampling variance to variable weights from here. The consequences for mobile survey sampling.
- EM algorithm for Slovenian plebiscite, advanced developments. See:
  - RUBIN DB, STERN HS, VEHOVAR V Handling don't know survey responses - the case of the Slovenian plebiscite] AM STAT ASSOC 90 (431): 822-828 SEP 1995
Data fusion and data matching, particularly the split problem. See sources.
Cost modelling for survey process. See paper. Particular the mixed mode extensions. See Edith de Loewe, JOS 2005. Also consider this abstract.
Qualitative vs. quantitative research.
Item non-response modelling, particularly for international surveys. See example.
Weighting and variance estimation in two stage clusters. See some sources: PDF

B. Web and mobile phone surveys (see http://websm.org)

- Meta-analysis of the non-response rates in Web surveys
- Qualitative vs. quantitative research on the Internet
- Mobile phone user pattern's impact on non-response in mobile phone surveys
- Issues in Web survey methodology
- Issues in Mobile phone surveys

C. Information society (see http://ris.org):

- Social consequences of mobile phones (see http://mobile.ris.org)
- Information society patterns in Slovenia
- Digital divide. Impact of ICT on specific segments of society
- Measurement of mobile work and telework
- Time distance as a benchmarking tool (see www.sicenter.si)
- Issues in Internet research
- Exploratory research on blog phenomena
- Paedophilic behaviour on the web
- Children and internet safety

D. Web (see http://ris.org):

- Web as a content and as a communication medium
- Developing intelligent Web forums
- Web content and Information architecture
- Measuring Web visitations
- Measuring Web Advertising

E: Network analysis

- Networks of co(authors) in the area of web survey methodology (http://websm.org)
- Networks of authors in forum posts
- Network of paedophile content in P2P networks (eDonkey MAPAP data)
- Missing data in network analysis
- Web survey instruments for measuring egocentric networks