Training – Survey and Data Science

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We are pleased to announce the launch of the International Program in Survey and Data Science (IPSDS). Fundamental changes in the nature of data, their availability, the way in which they are collected, integrated, and disseminated are a big challenge for all those working with designed data from surveys as well as organic data. IPSDS was developed in response to the increasing demand from researchers and practitioners for the appropriate methods and right tools to face these changes. We offer a multidisciplinary curriculum, world-class faculty, and a web-based learning environment that allows you to take courses from anywhere in the world.
Problem we tried to solve – In brief

- Allow for multidisciplinary curriculum
- Modularized – adapt to prior skills and work needs
- Relevant methods and tools
- Mix of faculty from academia and industry

Key elements:
- Flexible web-based learning environment
- Live (video) interaction with faculty and students
- Face-to-face networking meetings
Why regular Data Science courses don’t work

- Little discussion of data quality
- Data Science happens in context
- Single data sources unlike to be sufficient
- Combination of surveys and other data sources needed
Partners and Funding

University Partners
- University of Maryland
- University of Mannheim
- Catholic University of Santiago de Chile
- Australian National University
- Beijing University
- Ashoka University (expressed interest)
- U. of Capetown (planned)

Other Partners
- SRO - Michigan
- PEW
- German Record Linkage Center
- GESIS
- Bureau of Labour Statistics
- U.S. Census Bureau
- Statistics Netherlands

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Understand how to collect data, and how data are generated through administrative and other processes.

Learn how to curate and manage data.

Learn a variety of analysis methods suited for different data types.

Learn how to communicate results, distribute and store your data; Ethics.

Learn how to ask the right question and evaluate which data can/should be used to answer it.
Each week set of videos (pre-recorded)

Lectures are broken into easily digestible sessions to help participants to better focus on the material

Engage with the material at their own pace
Annual „Connect“ Event