**Course descriptor**

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| Title of the course | **Special Topics of Social Informatics (offered in English)** | | |
| Title of the Academic Programme | BA Sociology and Social Informatics | | |
| Type of the course | elective | | |
| Prerequisites | Data Analysis in Sociology, Theory Construction and Model Building is recommended | | |
| ECTS workload | 6 | | |
| Total indicative study hours | Directed Study | Self-directed study | Total |
| 28 | 200 | 228 |
| Course Overview | In 2019-20 we will build our work around the understanding of how statistics and computation work in social, applied and CS research, focusing on acquiring deeper understanding of *statistical inference* – an approach to make decisions using different tools of modern statistical arsenal: from frequentist and Bayesian approaches to computational and graphical views on inference and decision making.  If you are planning to do a quantitative study for your thesis, this course will help you to think about suitable research design early on, hopefully leading to better results and less issues. If you think on continuing your career or education in quantitative directions – from high-profile MSc programmes in quantitative social science, data, business analytics or UX analytics, this course might help you to build necessary conceptual and computational foundation in these areas.  We will use simulations, pictures and intuition more than math and use online course materials and extra reading as a backbone for our discussion and simulations, so this course should be accessible for those without Data Science minor or alternative experience. However, the course will require large amount of independent work. | | |
| Course Instructor | Ilya Musabirov MA MSc, Alena Suvorova PhD | | |