Digital Society Initiative

DSI-Topics

Title	Main contact	Short description
Regulatory framework	Florent Thouvenin	Create ethical and regulatory framework for pursuing digitalization in various focus areas
Ethical framework	Markus Christen	Develop a broad understanding of the ethical challenges when doing research using digital tools
Open research software and data	Franz Liem	Enable researchers to deal with open data (workshops, teaching, hackatons, etc.)
Challenges for Policy Makers, Organizations, Customers, and Stakeholders	(concept)	Find answers to the challenges that policy-makers, organizations, customers, and stakeholders face in the light of digitalization
Digital legal history lab	Andreas Thier	Research in the digitalization of legal sources and teaching legal history using digital media
Koordination Digitalisierung der universitären Objektssammlungen der UZH	Mareile Flitsch	Digitalisierung der Sammlungen der UZH
The Automation and Democratization of Science and Society	(concept)	How do automation and citizen participation changes science?
Privacy-preserving visual analytics	Halldór Janetzko	How can visualization tools be generated that optimize insight and privacy simultaneously?
Visualization center	Halldór Janetzko	Create a competence center for visual analytics
Text mining and analytics for the biomedical sciences & personalized health	Fabio Rinaldi	Create tools to exploit the vast textual resources in biosciences and health research
Data-Driven Science and Decision Making	(concept)	Study of evidence-based decision-making
Interacting with Data	(concept)	Systematic study of information visualization as well as data manipulation.
Computational Social Interactions	Peter Hilpert	Develop digital tools to measure social interactions
Physical activity (and health)	Milo Puhan	Create tools to measure physical activity of humans
Dynamic System Modeling	(concept)	Buildup of competences in systems modelling
Collecting and Sensing Ubiquitous Data	(concept)	Use the ubiquity of sensors and internet-of-things devices for scientific work
Big Health Data combined with Small Health Data	(concept)	Generation of a publicly controlled online individualized health data bank.

Behavior Change and Health Promotion	Mathias Allemand	Research group (platform) that creates and evaluates models & tools for behavior change in health
Genome, language, geography, compute - Connecting building blocks for biomedical resource mapping	Michael Baudis	Identification and content enrichment of biomedical datasets
Prevention and Management of chronic conditions	Milo Puhan	Share expertise for creating tools to improve physical and mental health
Integration technology to the health system for mental health	Markus Wolf	Create technologies to improve mental health
Individualized and Optimized Health Care Pathways	(concept)	Investigate the requirements and approaches that enable individualized and optimized health-care pathways
Digital work, inequality and the welfare state	Christian Berndt	Understand how new digital labor markets impact inequality and how the welfare state could counteract inequality.
The impact of digitalization on financial accounting	Hui Chen	What is the optimal amount of information to be reported to stakeholders when financial accounting is digitalized?
Information and (economic) power	Peter Georg Picht	Understand he legal consequences of new economic power structures emerging in the digital economy
Digital Democracy	Uwe Serdült Fabrizio Gilardi	Creation of a digital democracy lab that creates tools for improving democracy (social media monitoring, voting advice etc.) – streamlining research on digitalization in political sciences
Digital Democracy	Andreas Glaser	Understand legal aspects of digital democracy, in particular e-voting, e-government
Influence of (social) bots on society	Constantin Schön	Do social bots influence political outcomes such as debate climates, political opinions, elections?
Participatory Democracy	(concept)	How can digital technology be leveraged to change democracy and address the opportunities and challenges arising from these changes?
Networked news and audiences	Thomas Friemel	Understand the effect of "networked news production" and fragmented audiences within media research
Mobility and mobile digital assistance	Haosheng Huang	How can digital tools improve mobility; what is the impact of such tools on individual mobility
Sustainability	Lorenz Hilty	All aspects on how digitalization impacts sustainability (e.g., data-driven sustainability research)
Mobility in a digital society	Anja Schulze (concept)	Critical reflection and development of digitalized mobility (e.g. autonomous driving, data-based mobility services etc.)
Smart Living in a Smart City	(concept)	What will sustainable urban living mean for most of the Swiss population by 2050?
Rethink privacy	Florent Thouvenin (concept)	Reflect upon the role of privacy in the (new) information age (role, limitation, adaptation, etc.).
Countering aggression in social media	Lea Stahel	How can we counter aggression/harassment in social media?
Acting Morally in a	(concept)	How can we ensure that we can act morally in a digital

digital world		world?
Digital human-machine-interaction	Volker Dellwo	How does speech and behavioral interaction with machines shape human communication?
Digital Inequality	Eszter Hargittai	Understand digital inequalities beyond mere access to digital infrastructures
Digital Religion – Socially and Politically Influential Player in the Digital Age	(concept)	How are religious practices and institutions affected by digitalization (digital media, etc.)?
Theory and Epistemology in the Digital Society	(concept)	Understand the theoretical and epistemological challenges of science and society provoked by the digital challenges
Social Media Informatics and Collective Intelligence	(concept)	Study of social online processes and collective intelligence
Humanities and Social Science Center (H2SC)	Robert Weibel	Broad center of expertise in data analytics and sensor technologies for social sciences and humanities
Information law for an information society	Peter Georg Picht (concept)	Holistic legal analysis of the legal consequence of the digitalization of information (access, ownership, protection, ...)
Financial technology and the internet of value in the digital society 2050	Thomas Puschmann	How will financial services and the internet of value in a digital society 2050 look like?
Digital humanities	Martin Volk	Create expertise in digital humanities (digitalization, deep learning, etc. in the humanities)
Data Driven Astrophysics	Kevin Schawinski	Professorship on data driven astrophysics
Computational Social Science	Werner Wirth	Professorship for studing social processes with computational methods
Digital Cultures	(concept)	How are cultures shaped by the influence of digital practices within economical, scholarly and institutional frameworks?
Digital history	Monika Dommann	A lab to understand the history of the digital society