

Computational Social Science (CSS) is an emergent field of growing scientific importance and public interest. A meanwhile nearly ubiquitous trend towards the digitalisation of society and the public and private life therein forces the social science to keep up with a rapidly changing society. Driving forces are technological advancements including, the progressive development of computer systems, the rise of artificial intelligence, changing habits of communicative behaviour that adopt digital options on a large scale, and the promises and demands of an open science which calls for public instead of commercial inhouse science in this field.

Basic research demand arises from an imbalance of shares in CSS. Today CSS is, despite its designation, less social science than computer science. But the social sciences are particularly strong in: theory and methodology. At the same time data science affords the prospect of solutions to well -known data- analysis problems in social science methodology. The goal for CSS should be to work against the imbalance of shares and to combine the knowledge and skills from the two major research fields social science and computer science to achieve synergy effects.

The Workshop thus projects to counteract the imbalance in a joint effort of experienced social scientists and data scientists. The participants come from computer science, mathematics and statistics, communication science, political science, sociology, psychology, cultural science, and linguistics. The focus of the workshop is behaviour in digital environments. If people surf the Internet, they leave their mark in the shape of tracks, connections and possibly published content (textual and visual material). In addition, people use 'smart' technologies such as smartphones, smart watches, fitness tracker, intelligent clothing, and all the emerging smart technologies around one's home and car. People leave their mark on both computer-mediated social interaction and everyday behaviour outside the Internet and hence exactly the behavioural traces which subsequently are subject to CSS research. The workshop also aims at exploring and initiating arrangements of international research collaboration.

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