



Innovation Research Seminar

Dipl.-Inform. **Matthias Rüdiger**
Explanatory power of citations



Summary: In science, the number of citations a published article receives oftentimes represents the reputation and quality of the research behind it. Citation analysis, a manifestation of bibliometric, in general terms examines the relationships between citing and cited articles, as well as between the authors who conducted the research. Anyhow, the majority of scholars in the field of citation analysis assume that all citations are of equal weight and importance, thereby neglecting the purpose and context of citations as an important source of information. In his first scientific contribution, Matthias Rüdiger examines the explanatory power of citations. He considers the semantics and position of a reference within a text by applying state-of-the-art data mining algorithms that are capable of analyzing and grouping large amounts of scientific text. His IRS presentation will introduce participants to the current state of his research and the technical details of the project.

When and where:

24 May 2016

10am to 12am

TIM Social Area

Kackertstraße 7

3rd Floor



Find Matthias
Rüdiger online

Speaker Bio: Matthias Rüdiger is a research associate and doctoral student at the Innovation, Strategy and Organisation (ISO) Group at RWTH Aachen University. Before joining the research group, he studied computer science with a major in data mining and data exploration as well as business and economics at the same university. In his doctoral studies he explores the enhancement of citation analysis as well as the quantification of reputation, applying data mining methods such as text mining.

Explorative Format: Seminar participants are invited to discuss several theoretical avenues and provide arguments that help to develop the theory and hypotheses sections of this study.