INFORMATICS COLLOQUIUM

Speaker:

Simon Razniewski, Max Planck Institute for Informatics, Saarbrücken

But what do we actually know?

Abstract:
General-world knowledge bases such as Wikidata, YAGO, or the Google Knowledge Graph are important backbones for applications like entity resolution, structured search or question answering. The correctness of these knowledge bases is generally well understood and at the center of attention in automated construction techniques. About their recall, in contrast, most knowledge is anecdotal: While they usually sufficiently cover popular topics, gaps quickly become apparent when going beyond. In this talk I will discuss the problem of understanding the recall of general-world knowledge bases. I will revisit limitations of the common open-world assumption and standard KB evaluation schemes. I will then present three approaches towards mapping KB recall: (i) association rule mining, (ii) text extraction of counting quantifiers and other cues towards recall, and (iii) entity-centric comparative notions of KB recall.

Bio:
Simon Razniewski is senior researcher at the Max Planck Institute for Informatics in Saarbrücken, Germany, where he heads the Knowledge Base Construction and Quality area. He was previously assistant professor at the Free University of Bozen Bolzano (2014-2017). He holds a PhD from the Free University of Bozen-Bolzano (2014), and a Diplom (MSc.) from TU Dresden (2010). He spent extended research visits at the University of Queensland (2015), AT&T Labs-Research (2013), and the University of California, San Diego (2012), and has previous industrial experience from Globalfoundries (2010) and Siemens IT (2009). He has published 14 papers at premier conferences in the area of data science and management (and more than 40 papers in total).

Date and time:	*Friday December 13, 2019, 2.00 pm*
Location:	*Pérolles 21, room F130, Bd de Pérolles 90, Fribourg*
Contact person:	*Prof. Philippe Cudré-Mauroux*

The colloquium is free and open to the public.