

IT workforce in the age of data science and artificial intelligence (AI)

Motivation

Over the last decades a significant number of information technology (IT) occupations has emerged, e.g., software developer, consultants, DevOps engineers, project managers. As AI applications are different from traditional IT, the occupations might change or new occupations appear (e.g., Data Scientists).

Task

Using a literature review, the student will create an overview of IT occupations and identify respective tasks of these workers. The work can then assess the extent to which occupations are (or will be) involved in the development and operations of data analytics and AI applications.

Expected results

Students are expected to hand in substantiated report. A stretch goal would be an additional short paper for a conference.

Title German

- Die IT-Belegschaft in Zeiten der Datenwissenschaft und der künstlichen Intelligenz (KI)

Level (Ambition: medium)

- Bachelor or Master thesis

Methodology

- Literature research

Special prerequisites

- Reading, structuring, and assessment

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