

“Google, China, ... – How Big is the Influence of Enterprises and Countries on AI Research?”

Objectives

AI research is increasingly dominated by big players (e.g., Google, Microsoft, Amazon) and specific countries investing massively into AI technologies (e.g., China). The goal of this thesis is to measure this prevalence and to predict future trends in this context. To this end, the student will perform data analysis based on existing, publicly available data sets, such as the Microsoft Academic (Knowledge) Graph (<https://makg.org>). Specifically, the student will calculate frequencies, means, correlations, and similar statistical key figures and derive noteworthy lessons learned.

Prerequisites

- ✓ Basic data processing skills (e.g., in Python or R).
- ✓ Ability to work independently on the topic (based on inputs from the supervisor).
- ✓ Interest in publishing an own research paper based on the written thesis.
- ✓ Ability to write an email with a transcript of records and a short CV to michael.farber@kit.edu in order to apply for this thesis topic.