

Deep learning based Chart Description (HiWi/BA/MA)

At ACCESS@KIT and within the CVHCI research group, we are committed to making educational materials accessible to all people, including people with disabilities. One of the challenges we face is creating detailed descriptions for graphs and charts that often lack the necessary information for people with disabilities to fully understand the context of the graphs. To address this problem, we use NLP models like ChatGPT and state-of-the-art modules like Transformers to create automatic descriptions of mathematical diagrams.

Objective:

We are currently looking for a candidate

1. to assist with the capture and tagging of automatically extracted data from documents,
2. and to assist with training and evaluation of available approaches.

This position offers the opportunity to work closely with computer vision and NLP researchers and gain valuable experience in training, validating and deploying NLP models for real-world applications.

The working hours for this position are flexible, ranging from 20-40

Requirements:

Students with knowledge of python and basic deep learning frameworks (e.g. PyTorch) can send an email to omar.moured@kit.edu or thorsten.schwarz@kit.edu.