

Machine Learning Labeling Metrics for Image Recognition

Interdisciplinary Project

Motivation:

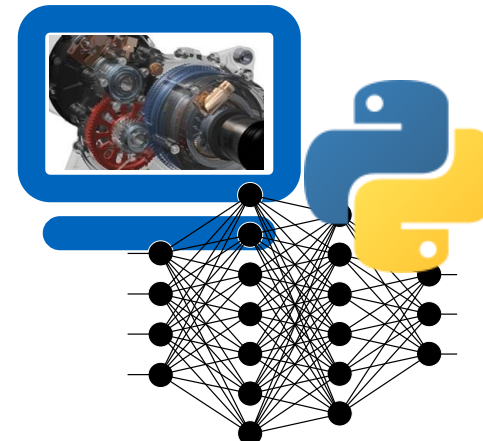
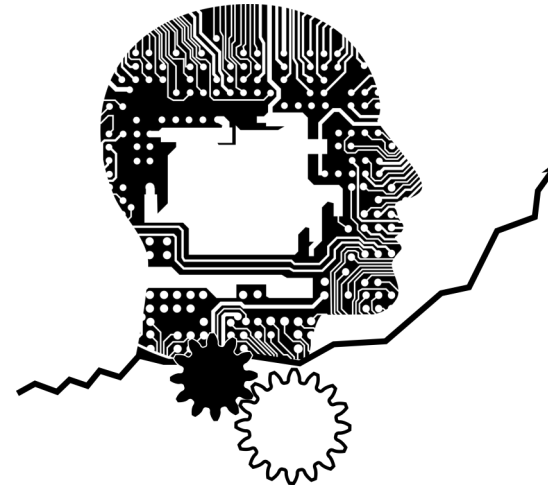
At the Gear Research Centre we are developing an innovative artificial intelligence based condition monitoring system with gear damage detection. One challenge is to evaluate gear damage in gear flank images automatically. Therefore, we developed an advanced, semi-automated labeling tool for semantic segmentation.

Your task:

Based on that existing image labeling tool your task will be to research, develop and implement new metrics for the labeling process. Thus, you will increase the overall labeling quality, which is the fundamental basis for following ML instance segmentation pipelines.

Your profile:

- Highly interested in artificial intelligence
- Understanding of image recognition (instance segmentation)
- Coding Skills (e.q. Python)
- Highly motivated and responsible
- Fluent in English or German



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