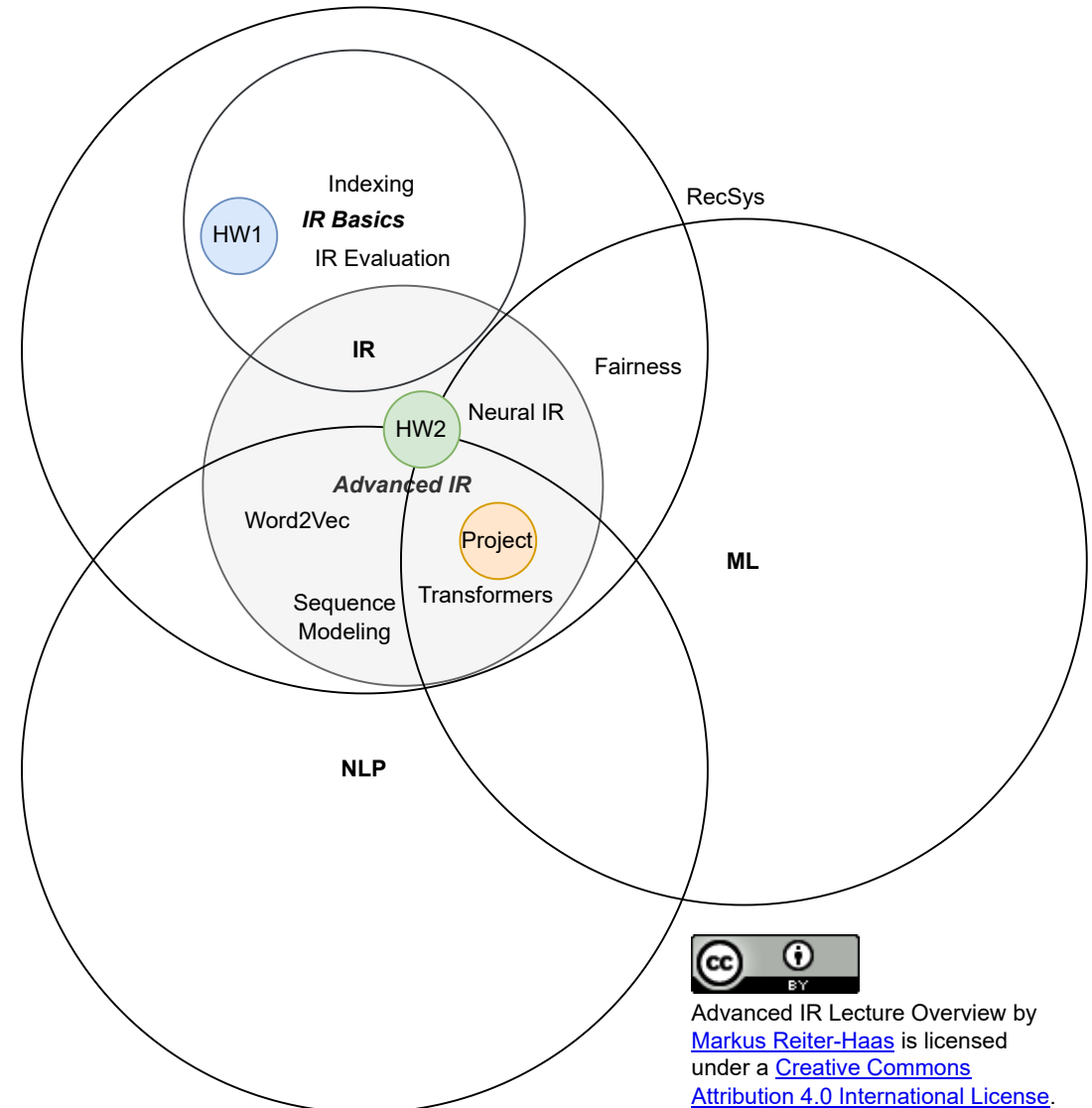# Advanced IR Lecture Overview

Overview of the main topics covered in Advanced IR and their relation to the areas of information retrieval (IR), natural language processing (NLP), and Machine Learning (ML).

After establishing the IR basics in homework 1, we move towards Advanced IR in HW2, where Word2Vec and neural IR are covered. Finally, the project lies in the intersection with topics, such as Transformers, that might be relevant.

The lecture also covers the topics of fairness and recommender systems, that lie on the periphery but are still very relevant. Note that the positions of topics are only approximately placed.