Group 2 Problem Proposal

Radiologists face a huge workload due to the high demand for imaging studies, especially chest X-rays, which are one of the most used imaging modalities. This workload not only affects the efficiency of radiologists, but in severe cases can also compromise diagnostic quality and patient outcomes. This has led to a growing demand for AI tools in healthcare.

So, our second group wanted to develop an AI system that can automatically generate structured and clinically accurate radiology reports from chest X-ray images. And provide interactive diagnostic assistance to radiologists, allowing real-time answers to questions about specific pathologies or findings.

Through this project, our group wanted to demonstrate the potential of machine learning in healthcare and implement deep learning for real-world industry problems.