Group work on Medical IR

Georgios Peikos, Wojciech Kusa, Annisa Maulida Ningtyas

Agenda

Get to know each other

Expectations

Ground rules

Agenda

Georgios Peikos

3rd year PhD student at the University of Milano-Bicocca

Main research focus:

Domain-specific search

Development of IR models based on decision-theory

Aiming for IR systems with high interpretability & user in control

Wojciech Kusa

3rd year PhD student at TU Wien

Main research focus:

    Biomedical NLP & IR

    Automation of systematic literature review process

    Evaluation measures for high-recall tasks

Annisa Maulida Ningtyas

4th year PhD student at TU Wien

Main research focus:

Biomedical NLP

Medical Entity Linking in Social Media

Designing Micro-learning for Laypersons in Medical Terminology

How many of you have developed an end-to-end retrieval pipeline?

How many of you have are working or will work on the Medical field?

How many of you have experience with medical NLP?

Our Expectations

High collaboration

Creativity

Questions

Your Expectations

Ground rules

Ask anything you need, whenever you want

If you have a question, please ask it out loud

Before we begin, let's make teams of 2

1st half

Presentation of the retrieval task we will try to solve today

Presentation and hands-on of an Information Retrieval pipeline

Presentation and hands-on about Information Extraction/Expansion with a Knowledge base

Hands-on

Lunch

2nd half

Presentation and hands-on about Information Extraction/Expansion with a LMs and LLMs

Hands-on

Neural Information Retrieval

Hands-on

Development of your working pipeline

Final Outcome

Each team has created a retrieval solution for the studied task.