Task 7: Recommendation System and Advanced Intelligent Systems

Key information

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Part 1

Overview:

You have studied recommendation systems in week 6. This subtask pertains to your understanding of the lecture (session on 14th April 2024) and Olympus content for the same.

Submission details:

For this task you need to submit a report (PDF format):

- Summarise the main points that are covered in this week.
- Reflect on the knowledge that you have gained by reading the content and attending the lecture and workshop of this week. Follow the Olympus content and videos and apply what you have learnt this week. You need to explain your understanding (e.g., explain the cell by cell of the developed code and summarize your learning from the lecture.)

Part 2:

Overview:

In this part of the assignment, you need to provide a comprehensive description for an advanced intelligent system. We have discussed the Sirius system in Week 7 and provided a general overview of the system.

This subtask will help you to understand how AI can help in automating a system and solve a complex problem.

Submission details:

For this task you need to prepare a document (at least 1000 words) and explain how an intelligent system works for example what are the input data, and how AI is helping to automate the system to solve the complexity of the problem. You need to submit the following task:

- Find an advanced intelligent system and provide a comprehensive overview of the system. You need the to discuss the problem and why do we need to use the system to solve the proposed problem (500 words)
- You need to explain the details of the system (the diagram or flowchart) and discuss how the system is working, the input data, the AI techniques, how AI services are working together as a system.

The focus of this sub-task is on understanding how advanced intelligent systems work and on building an intelligent system using AI.

Submission details to Olympus:

- **Submit your answers as a PDF file into the Ontrack. Your answers must be relevant and precise. You need to submit one report, clearly demarcating Parts 1 and 2; adhering to the constraints mentioned in each part of the assessment.**

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