

Research Seminar

Mid Term Presentation - 1

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Artificial General Intelligence
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Artificial General Intelligence

What is the current technological state of the art of AGI?

Artificial general intelligence (AGI) is the ability of an intelligent agent to understand or learn any intellectual task that a human being can.

The current state of AGI has significantly changed over the last few weeks with the introduction of **ChatGPT**.

ChatGPT has scored 82 on IQ tests for several users. Strong AGI?

- 1 Finding top 50 journals / conferences using H-index/SJR/Impact Score available on Google Scholar / Scimagojr / Resurchify.
- 2 Filtering out journals with papers only on CV / NLP / Robotics. Ensuring each journal has few atleast few papers on AGI.
- 3 Sorting and Ranking journals based on h-index.
- 4 Selecting most recent year of each available journal. Finally, narrowed down to 16 journals / conferences.

Few selected sources:

- International Conference on Learning Representations (ICLR)
- International Conference on Machine Learning (ICML)
- Association for the Advancement of Artificial Intelligence (AAAI)
- Expert Systems with Applications
- IEEE Transactions on Neural Networks and Learning Systems
- International Joint Conference on Artificial Intelligence (IJCAI)

For the selected 16 journals/conferences,

- Median h-index: 103
- Median impact factor: 6.46

Filtration Process

- 1 Download all documents/papers from the last year of all the shortlisted journals/conferences, wherever access is possible.
- 2 Then, label documents by relevance and recency. With the help of labels, filter out documents if they are irrelevant.
- 3 In python, attempt a keyword search through documents using fuzzywuzzy or re. (python libraries)
- 4 Score each document for the matches found and filter out top 90th percentile documents.
- 5 The remaining documents should be ready for manual review.