

Research Seminar

Mid Term Presentation - 2

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Artificial General Intelligence
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Research Question

Artificial General Intelligence (AGI) is the term for a system that can do or learn to do any intellectual task at human-level performance. AGI is typically noted as strong AI compared to weak AI systems that excel in a narrow domain.

- RQ1: What is the current technological state of the art of AGI?
- RQ2: What is the current academic opinion on the development, implementation, challenges, and risks of AGI?

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 50 percentile documents.
- 5 The remaining documents should be ready for manual review.

Pyramid Principle

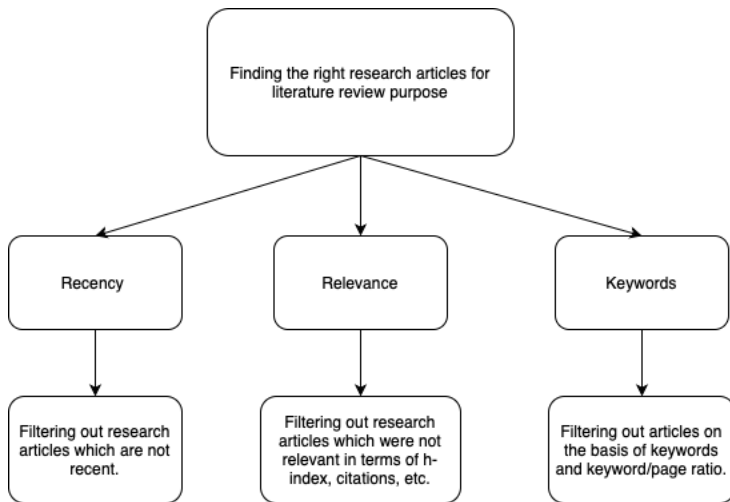


Figure: Pyramid Principle

Results

- Keywords used: General artificial intelligence, Artificial intelligence, Artificial general intelligence, AGI, AI
- Journals/Conferences: 16, Total research articles: 192
- Mean, Median Article length = 9.3, 10
- Mean, Median Keywords/Page = 11.6, 8.5
- Recency ≥ 2010 , Impact factor ≥ 3 , Keywords/Page ≥ 11.6
- Finally, 62 articles were selected for further review.