

**Report on "Theory of Mind May Have Spontaneously  
Emerged in Large Language Models"**  
**Paper Report as Part of the "Current Topics of Computational  
Social Science" Seminar**

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**Abstract.** This report summarises, questions and criticises the paper  
"Theory of Mind May Have Spontaneously Emerged in Large Language  
Models" by Kosinski

**Keywords:** Artificial Intelligence · Theory of Mind · Language Model

- 1 Introduction**
- 2 Related Work**
- 3 Methods**
- 4 Results and Discussion**
- 5 Conclusions and Implications**
- 6 Reviewer Perspective**
- 7 Future Work**
- 8 First Section**

**8.1 A Subsection Sample**

Please note that the first paragraph of a section or subsection is not indented.  
The first paragraph that follows a table, figure, equation etc. does not need an  
indent, either.

Subsequent paragraphs, however, are indented.

**Sample Heading (Third Level)** Only two levels of headings should be num-  
bered. Lower level headings remain unnumbered; they are formatted as run-in  
headings.

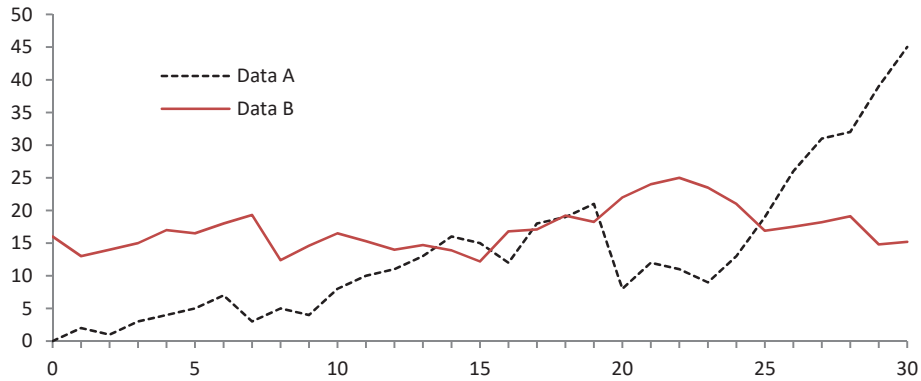
**Table 1.** Table captions should be placed above the tables.

Heading level	Example	Font size and style
Title (centered)	<b>Lecture Notes</b>	14 point, bold
1st-level heading	<b>1 Introduction</b>	12 point, bold
2nd-level heading	<b>2.1 Printing Area</b>	10 point, bold
3rd-level heading	<b>Run-in Heading in Bold.</b> Text follows	10 point, bold
4th-level heading	<i>Lowest Level Heading.</i> Text follows	10 point, italic

*Sample Heading (Fourth Level)* The contribution should contain no more than four levels of headings. Table 1 gives a summary of all heading levels. Displayed equations are centered and set on a separate line.

$$x + y = z \quad (1)$$

Please try to avoid rasterized images for line-art diagrams and schemas. Whenever possible, use vector graphics instead (see Fig. 1).



**Fig. 1.** A figure caption is always placed below the illustration. Please note that short captions are centered, while long ones are justified by the macro package automatically.

**Theorem 1.** *This is a sample theorem. The run-in heading is set in bold, while the following text appears in italics. Definitions, lemmas, propositions, and corollaries are styled the same way.*

*Proof.* Proofs, examples, and remarks have the initial word in italics, while the following text appears in normal font.

For citations of references, we prefer the use of square brackets and consecutive numbers. Citations using labels or the author/year convention are also acceptable. The following bibliography provides a sample reference list with entries for journal articles [1], an LNCS chapter [2], a book [3], proceedings without editors [4], and a homepage [5]. Multiple citations are grouped [1–3], [1, 3–5].

**Acknowledgements** Please place your acknowledgments at the end of the paper, preceded by an unnumbered run-in heading (i.e. 3rd-level heading).

## References

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