A Series of Prompts for Preparing a Theoretical Academic Paper

1. Prompt: I will be asking you to prepare a complete theoretical academic paper using the provided literature. Refer only to the specified studies, but you may use your full knowledge base to create the text. The topic is the relationship between artificial intelligence and education. Do not provide a title yet; I will ask for it at the end of the process. Do NOT write the paper yet; I will provide the requests one by one. Use these sources:

Bognár, A. (2024). A mesterséges intelligencia jelentősége a pedagógusképzésben. *Pedagógusképzés*, 23(1), 115–123. https://doi.org/10.37205/TEL-hun.2024.1.09

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Marciniak, R., & Baksa, M. (2024). Szövegalkotó mesterséges intelligencia a társadalomtudományi felsőoktatásban: félelmek és lehetőségek. *Educatio*, 32(4), 599–611. https://doi.org/10.1556/2063.32.2023.4.4

Buda, A. (2024). A sokszínű mesterséges intelligencia. *Educatio*, 33(1), 1–12. https://doi.org/10.1556/2063.33.2024.1.1

Rajki, Z., T. Nagy, J., & Dringó-Horváth, I. (2024). A mesterséges intelligencia a felsőoktatásban. *Iskolakultúra*, 34(7), 3–22. https://doi.org/10.14232/iskkult.2024.7.3

Porkoláb, Á., & Fekete, T. (2023). A mesterséges intelligencia alkalmazása a nyelvtanulásban. *Iskolakultúra*, 33(8), 67–80. https://doi.org/10.14232/iskkult.2023.8.67

Dieterle, E., Dede, C., & Walker, M. (2022). The cyclical ethical effects of using artificial intelligence in education. *AI & Society*, 1–11. https://doi.org/10.1007/s00146-022-01497-w

Mao, J., Chen, B., & Liu, J. C. (2024). Generative Artificial Intelligence in Education and Its Implications for Assessment. *TechTrends*, 68(1), 58–66. https://doi.org/10.1007/s11528-023-00911-4

Dietz, F. (2020). A mesterséges intelligencia az oktatásban: kihívások és lehetőségek. *Scientia Et Securitas*, 1(1), 54–63. https://doi.org/10.1556/112.2020.00009

Rausch, A. (2024). Fenntartható-e a digitális oktatás a klímaváltozás árnyékában? *Iskolakultúra*, 34(5), 15–24. https://doi.org/10.14232/iskkult.2024.5.15

Rajki, Z. (2023). A mesterséges intelligencián alapuló alkalmazások a bölcsészet-, társadalomtudomány és az oktatás területén. *Humán Innovációs Szemle*, 14(2), 4–21. https://doi.org/10.61177/HISZ.2023.14.2.1

Mátyás, A. (2024). Mesterséges intelligencia az oktatásban: kihívás vagy lehetőség? *Educatio*, 33(1), 101–104. https://doi.org/10.1556/2063.33.2024.1.13

Szűts, Z. (2024). A mesterséges intelligencia hatásai: remények, félelmek, forgatókönyvek és megoldások. *Educatio*, 33(1), 24–33. https://doi.org/10.1556/2063.33.2024.1.3

Végh, E. (2024). Az innováció és az etika egyensúlya: a mesterséges intelligencia oktatásra gyakorolt hatásának jogi szempontjai. *Educatio*, 33(1), 97–100. https://doi.org/10.1556/2063.33.2024.1.12

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Móser, A., & Szűts, Z. (2023). A nyelvtanulást támogató digitális eszközök. *Magyar Nyelvőr*, 147(2), 164–185. https://doi.org/10.38143/Nyr.2023.2.164

Kovács, M. (2024). Van olyan könyv, amelyikből meg tudjuk tanulni a mesterséges intelligencia működését, vagy már úgyis késő? *Educatio*, 33(1), 93–96. https://doi.org/10.1556/2063.33.2024.1.11

Tóth, A. (2024). A ChatGPT a matematikaoktatásban. *Educatio*, 33(1), 69–79. https://doi.org/10.1556/2063.33.2024.1.8
Horváth, L. (2024). A mesterséges intelligencia lehetőségei és kihívásai a pedagógiai tervezés folyamatában. *Educatio*, 33(1), 34–45. https://doi.org/10.1556/2063.33.2024.1.4
Csepeli, G. (2024). Új fejedelem. *Educatio*, 33(1), 65–68. https://doi.org/10.1556/2063.33.2024.1.7
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Horváth, L. (2023). Feltáró szakirodalmi áttekintés a mesterséges intelligencia oktatási használatáról. *Pannon Digitális Pedagógia*, 3(1), 5–17. https://doi.org/10.56665/PADIPE.2023.1.1
Baditzné Pálvölgyi, K., & Jakab, L. (2023). A mesterséges intelligencia alkalmazási lehetőségei a tanításban: kezdeti tapasztalatok és jó gyakorlatok. *Anyanyelv-Pedagógia*, 16(3), 47–78. https://doi.org/10.21030/anyp.2023.3.3
Bokor, T. (2023). A mesterséges intelligencia alkalmazása az oktatásban – kihívások és következmények technológiainvariáns szempontból. In Z. Kovács (Ed.), *A mesterséges intelligencia és egyéb felforgató technológiák hatásainak átfogó vizsgálata* (pp. 114–129). Katonai Nemzetbiztonsági Szolgálat.
Tolner, N., Pogátsnik, M., & Módné Takács, J. (2023). A mesterséges intelligencia szerepe az online vizsgáztatásban. *Iskolakultúra*, 33(10), 39–55. https://doi.org/10.14232/iskkult.2023.10.39
Szűts, Z., & Námesztovszki, Z. (2023). A digitalizáció kihívásai a civil, mindennapi felhasználó szemszögéből : Fejleszti vagy kiváltja az egyént a mesterséges intelligencia használata az oktatásban? *Civil Szemle*, 5, 57–66. https://real.mtak.hu/174919/
Szalay-Bekő, M. (2024). Generatív mesterséges intelligencia oktatásának lehetősége középiskolákban. *Opus Et Educatio*, 11(1). https://doi.org/10.3311/ope.600
Borsboom, D., van der Maas, H. L. J., Dalege, J., Kievit, R. A., & Haig, B. D. (2021). Theory Construction Methodology: A Practical Framework for Building Theories in Psychology. *Perspectives on Psychological Science: A Journal of the Association for Psychological Science*, 16(4), 756–766. https://doi.org/10.1177/1745691620969647
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Bos, W., & Tarnai, C. (1999). Content analysis in empirical social research. *International Journal of Educational Research*, 31(8), 659–671. https://doi.org/10.1016/S0883-0355(99)00032-4

2. Prompt: I am providing the style requirements! Read these, and write the chapters accordingly.

- Write a continuous, essay-like text.
- Write a text that is of a scientific standard and intellectually sophisticated.
- Use precise and formal language.
- The text should include logical connectives and relevant technical terms.
- Support your arguments with details and citations to sources (use in-text citations in APA format).
- Use varied sentence structures to ensure a natural rhythm.
- Apply a rich and varied professional terminology, with special attention to the specific concepts of the field.

- Strive for terminological accuracy; do not substitute the established technical terms of the discipline with more general concepts.
- Structure the line of reasoning as an expert or a doctoral student in the field of education sciences would, utilizing the argumentative structures and conventions of the discipline.
- Under the chapters I provide, write a maximum of 1-2 subchapters; do not write subchapters for the discussion and conclusion sections.
- Write the chapter titles in **bold** and the subchapters in *italics*.
- Use the standard English quotation mark, which is: “ ”.
- Write the paper as if you were a human author! Do not refer to the fact that you were given this task! Do not refer to having received 31 studies!
- Respond in a balanced style - be professional and precise, but allow for some flexibility and variety in phrasing. Avoid overly rigid or schematic responses, while remaining focused and logical. Strive for a balance between creativity and accuracy.

3. Prompt: Within the chapter titled **"1. Introduction"**, present the research topic and its significance. Place the topic in the broader context of its scientific field and outline the structure of the paper. The introduction should capture the reader's interest while remaining professional and objective. Write 500 words.

4. Prompt: Within the subchapter titled *"1.1. Rationale for the Study"*, use the provided literature to explain in detail the necessity of investigating the topic. Formulate specific, clear research questions. Point out any potential gaps or contradictions in the literature that the paper aims to clarify. Define the research objective and its expected added value to the scientific field. Write 250 words.

5. Prompt: In the chapter titled **"2. Theoretical Background"**, relying on the provided literature, review the theoretical foundations of the topic. Present the relevant concepts, theories, and their development. Uncover the relationships between key concepts. If relevant, outline the historical development of the topic. This chapter should form the basis for the analysis, so it must be thorough and well-structured. Write 1000 words.

6. Prompt: In the chapter titled **"3. Methodology"**, describe in detail the chosen research method. Choose one or more of the following three methods:

1. Theory construction methodology
2. Critical discourse analysis
3. Hermeneutic analysis

Justify why the chosen method(s) are the most suitable for answering the research questions. Elaborate on the specifics of applying each method and their potential limitations. Write 500 words.

7. Prompt: In the chapter titled **"4. Analysis"**, conduct an in-depth analysis by applying the presented methods and using the provided literature. Formulate a new theoretical approach or synthesis. Structure your arguments logically and support them with appropriate citations. The analysis should be critical in nature, addressing different viewpoints and highlighting interconnections. Write 1500 words.

8. Prompt: In the chapter titled **"5. Discussion"**, critically evaluate the newly developed theory in light of the existing literature. Examine the practical applicability of the theory. Compare the findings with previous theories. Point out the advantages and potential limitations of the new

approach. The discussion should also reflect on the broader context of the research. Write 500 words.

9. Prompt: In the chapter titled **"6. Conclusion"**, summarize the main findings of the paper. Answer the research questions formulated in subchapter 1.1. Point out the limitations of the research and suggest directions for future studies. The conclusion should logically wrap up the paper and emphasize its significance to the scientific field. Write 250 words.

10. Prompt: Based on the text created so far, formulate a concise and informative title for the academic paper that accurately reflects the research focus and significance.

11. Prompt: Identify five keywords that best characterize the central theme and theoretical framework of the paper. Provide the keywords in the following format: Keywords: five keywords, separated by commas.

12. Prompt: Write a concise abstract that summarizes the paper's purpose, methodology, main findings, and conclusions. The abstract should be self-contained and provide a comprehensive overview of the entire work. Write 150 words.

13. Prompt: Create the bibliography in APA format. List every cited work in the bibliography, and only list the works that were cited.