

A CASE STUDY OF AI IN VISION GENERATION: THE EVOLUTION, APPLICATIONS, AND ETHICS

by

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Signature Work Product, in partial fulfillment of the
Duke Kunshan University Undergraduate Degree Program

Mar 7, 2024

Signature Work Program
Duke Kunshan University

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ABSTRACT

Abstract (English): 150 – 200 words. An abstract is a brief statement of the problem or the purpose of the research. It should indicate the theoretical work or experimental plan used, summarize principal findings of the research, and point out major conclusions. Appropriate safety information should be included when applicable. This should be the section you write last to be sure that it accurately reflects the content of the document.

摘要（中文）：150 - 200 字。摘要是对问题或研究目的的简要说明。说明所使用的理论工作或实验计划，总结研究的主要发现，并指出主要结论。适用时应包括适当的安全信息。这应该是您最后编写的部分，以确保它准确反映文档的内容。

ACKNOWLEDGEMENTS

Individuals and organizations who helped with the research project and provided financing are thanked in a paragraph of the thesis. Do not include individual titles in the acknowledgments. However, it is appropriate to state grant numbers and sponsors. Examples would like SELF, SRS, SW Grants, etc.

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Chapter 1

INTRODUCTION

This section includes a clear statement of the problem and the reasons for studying it. Provide a detailed yet concise background discussion of the problem and the significance, scope, and limits of the work. Outline what has been done previously by citing truly pertinent literature but do not include a general survey of semi-relevant literature. State how your work differs from earlier work in the field and demonstrate the continuity from the previous work to your own.

Chapter 2

MATERIAL AND METHODS

This section is obviously discipline specific so use the nomenclature that is common for your discipline. However, this section should provide sufficient detail about the materials and the methods used so that other experienced workers can repeat the experiment and obtain comparable results. Cite the appropriate literature when using a standard method or protocol and give only the details needed. Identify the materials used in the research. For example, computer systems used, mathematical theorems exploited, etc.; give information on the purity of all chemicals and reagents employed in the research; include the chemical/biological names of all compounds and chemical formulas of substances that are new or uncommon. Use standard systematic nomenclature to unambiguously define well-established compounds, processes, equipment, etc.

Chapter 3

RESULTS

Summarize the data collected in this section, and their statistical treatment. Include only relevant data, but give sufficient detail to justify the conclusions. It is appropriate in this section to use equations, figures, and tables to display your data. Extensive, but relevant data, should be reserved for an appendix where it is identified as supporting information.

The table or figure must follow as closely as possible after the paragraph in which it is referenced. Titles/captions should be kept brief.

3.1 Examples

Here is some inline math, $x^2 > 1$, and some display math

$$\int_0^1 x^2 dx \tag{3.1}$$

And this is how to cite an article [Zhang2021] or a book [Axler2020].

Replace	With	Your	Table
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Table 3.1: Parameters for the optimization of the principal component analysis for olive oil adulteration.



Figure 3.1: The notorious BTC (Brandon The Cat).

Chapter 4

DISCUSSION

The discussion section is where you interpret and compare the results. The objective is to point out the features and limitations of the work. Relate your results to current knowledge in the field and to the original purpose for undertaking the project.

Chapter 5

CONCLUSIONS

This section is written to put the interpretation of the results into the context of the original problem. Do not repeat the discussion points or include irrelevant material. The conclusion should be based on the evidence presented.

REFERENCES

Many bibliographic styles are acceptable for publications in the natural sciences. This template uses a numeric style defined in biblatex and that is common in Physics, Mathematics, and Computer Science papers.

Appendix A

ADDITIONAL MATERIAL

This template can be viewed on Overleaf at <https://www.overleaf.com/read/hxjcgtkhjgcd>. If you have an Overleaf account (either free or paid) you can copy this template to start a new Overleaf project. If you do not want an Overleaf account you can install TeX on your computer and download the template files from Overleaf.