课程项目报告

Coursework Report Starter

姓名 Your Name

学号 Student ID: 20260001

2026 年 8 月 29 日

课程名称 Course: Data Analysis　　指导教师 Advisor: Name

摘要

简要说明问题、方法和主要结论。This abstract should state the question, method, evidence, and conclusion in a form that stands alone.

1　问题提出 Problem statement

描述背景、研究问题和成功标准。Explain the context, research question, and what would count as a useful answer.

2　方法与实现 Method and implementation

记录数据来源、预处理步骤和实现选择。For a reproducible project, record versions, parameters, and assumptions alongside the narrative.

$$\bar{x} = \frac{1}{n}\sum_{i=1}^{n} x_i, \qquad s^2 = \frac{1}{n-1}\sum_{i=1}^{n}(x_i - \bar{x})^2. \tag{1}$$

3 实验结果 Results

表 1: 示例实验结果 / Example evaluation

方案 Configuration	指标 Metric	误差 Error	时间 Time (s)
基线 Baseline	0.742	0.031	8.4
改进 Improved	0.816	0.024	9.7

4 分析与讨论 Analysis and discussion

解释结果与假设的关系，比较替代方案，并讨论不确定性。Separate observed facts from interpretation and record limitations that could change the result.

5 总结 Conclusion

用简洁的条目回答研究问题，并列出下一步工作。Summarise the evidence in two or three concrete points and identify the most valuable follow-up.

参考文献

[1] D. C. Montgomery, *Design and Analysis of Experiments*, Wiley, 2017.