

E0410 Fundamentals of Statistics for Scientific Data Using R (Spring 2024)

Final assignment instructions.

Structure:

1. Title and author(s) name(s).
2. Introduction (approx. 200 words). Provides context for the topic, the specific issue addressed by your study, the goals of your study, the key questions or hypotheses. Contains references.
3. Materials and methods. Includes data description (approx.100 words) and statistical method description (approx. 200 words). Describe your data (if it was generated, make up this information): cases, variables, sampling dates etc. Describe in detail what statistical methods you used and why. **Use at least two statistical tests/methods (normality tests are not counted here)!**
4. Results and Discussion (approx. 200 words). Report and interpret your results, you may compare your results with other similar studies. **Generate at least two graphs with modified aesthetic features!**
5. Conclusion (approx.100 words). Provide a conclusion based on your research questions/hypothesis and the results you got.
6. References.

Example:

Lambert, Lukas PhDa, Janouskova, Lenka MDb, et al., Early detection of lung cancer in Czech high-risk asymptomatic individuals (ELEGANCE), Medicine, Volume 100, Issue 5 (2021).

Don't forget to acknowledge AI in case you used it:

I acknowledge the assistance provided by the AI language model from OpenAI in generating data and providing guidance for this assignment. The AI language model from OpenAI assisted with:

- data generating;
- language check;
- Kolmogorov-Smirnov method description;
- ...

7. Appendix. Includes an R script you used for the final assignment. Font size could be 10pt with minimum line spacing.

The final assignment must be uploaded in a PDF format (surname_title.pdf) till 01.07.24:

IS -> Study materials -> Learning materials -> Final Assignment -> Assignments

I granted such rights to the folder that you can't see assignments of each other.