

American University of Armenia, CSE
CS 246/346 Artificial Intelligence
Fall 2023

Guidelines for Writing the Project Report

In the scope of the group project assignment, students work in teams of three in order to complete an in-depth analysis of a particular problem and present their findings to the class using appropriate media and technology.

A good project report will include the following

- List of Contents
- List of Figures (if applicable)
- Background of the problem from the literature search/review/survey
- A clear definition of the problem
- An explanation and justification of methods of data analysis (if applicable)
- A description and justification of the data sources (if applicable)
- Analysis of the results and comparison with existing tools (if applicable)
- Conclusions based on the results
- Possible directions for future research
- A full list of references

Additionally, a good report should follow those rules

1. The report should be in narrative format and not in bullet point format.
2. **Do not** copy-paste some parts of books, papers or web resources. **Always** use your own words to write your project. You can (and should) use resources as references but you should explain, describe and comment in your own way.
3. Always use a spell-checker.
4. Make sure to include references - give credit to your sources.
5. All Figures and Tables should have numbered captions.
6. Captions of figures and tables should appear at the bottom of the figure.
7. Figures and tables should not be cut in the middle and appear on two different pages.
8. Do not put figures and tables that are not referred to in the text.
9. A section header should not appear as the last line of a page. Move it to the next page.
10. Be consistent with your uppercase and lowercase names

You are advised and encouraged to compile the report in L^AT_EX. You may use the Project Template provided for your convenience or find another template that suits your project better. Overleaf is an excellent online platform that provides collaborative authoring tools including L^AT_EX editing tools.

The report should be roughly divided into five/six (Evaluation and Conclusions can be merged into one section) main sections (or chapters):

Introduction Should introduce the problem, the relation to the material covered in the course, the area of the research and what is the interest of working in it. In the end, should introduce the goal of the project and outline the structure of the paper.

Literature Review Description of the works done previously in the given field, methods used to solve a given problem, their interrelations and resulting basis for your own work. It is important to understand how a certain work can be improved, what its relation to other works is, and what the general future direction for the given field might look like in future.

Method A description of what has been done in order to solve the chosen problem. It should be detailed enough so that other people can recreate it.

Evaluation Presentation of the arrived results. A good practice is to identify beforehand what exact important information is needed for this section.

Conclusions Relation of the obtained results to the project goal. Should clearly explain what results were achieved, and what can be done to further improve these.

References A list of publications cited in the main text