

5 Project 5

- Deadline: 24.11.2019, 23:59

5.1 Task 1: Rewrite your reports in Latex

You are supposed to rewrite ALL FOUR project reports in Latex using the BioMed Central's TeX template, which you can find here: <https://bmcbioinformatics.biomedcentral.com/submission-guidelines/preparing-your-manuscript> .

If you already passed a project, you can just transfer the existing text to the new format. If you did not yet pass a project, you should improve the report based on my comments.

If you have not worked with Latex before, there are tons of online tutorials to get you started. However, I strongly recommend to use the free (of charge) Overleaf online system (<https://www.overleaf.com/>) to write Latex documents. This system also supports working on a document in teams. If you use the Overleaf system, you can find the correct Latex template here: <https://www.overleaf.com/latex/templates/biomed-central-article-template/gcgcxphtpccx>

Important:

Take special care of details, such as figure captions (they should describe what is seen in a figure) and formatting of charts (both axes need to have labels about the used units etc.).

You will FAIL THIS PROJECT, if these simple things are not getting taken care of.

Deliverables:

You need to upload all new (PDF) reports (including the extensions from Task 2 – see below) to your GIT repository into the respective sub-directories (e.g. “Project 2” for the report of the second project). The filename of the new reports must contain the suffix “_latex”, so the filename of the new second report would be “report2_latex.pdf”.

5.2 Task 2: Add a project abstract

For each of the projects, please add the following information to the ABSTRACT section at the beginning of each report:

- The goal of the project. (Not more than one sentence.)
- The main result(s) of the project. (Not more than 1-2 sentences.)
- Your personal key learnings. (A list of things that you have learned in this project, e.g. using a particular algorithm or technology or that a particular workflow is important, or whatever else you think you can do better now after you did the project.)
- An estimation of the time (in hours) that you have spent on this project. If you did not finish the project due to time restrictions, please briefly explain why this happened.
- Project evaluation on a scale from 1-5 (1: “really good project”, 3: “project was ok”, 5: “I really did not like this project”).
- The number of words used in the report.
See this tutorial how to count words in Overleaf: [https://www.overleaf.com/learn/how-to/Is there a way to run a word count that doesn't include LaTeX commands%3F](https://www.overleaf.com/learn/how-to/Is%20there%20a%20way%20to%20run%20a%20word%20count%20that%20doesn't%20include%20LaTeX%20commands%3F)
- Optional: what could be improved with this project?