

**Course Assignments**  
**for**  
**Advanced Information Visualization and Applications**  
**4DV806 – Autumn 2021**

Assignment 3

Deadline for this assignment is Jan 10, 2022 at 23:59.

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**Task 1** *Implementation*

For this assignment you have to *implement* a visualization for a multivariate data set based on your design made for Assignment 2.

Submit a report (3–8 pages, A4, 12pt) with a detailed description and screenshots of your visualization. You should explain how the user is able to perform various tasks such as browsing, highlighting, comparison of entries, etc. You should also discuss the differences between your design from Assignment 2 and the final implementation; also, please discuss any problems encountered during the implementation stage. Additionally, we would like to have your opinion about the advantages and disadvantages of your final visualization.

You can use any library such as plotly.js/Dash to visualize the data set.

Prepare a short presentation (5–10 minutes). You will have to present your solution after the deadline.

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Please prepare a ZIP archive with your implementation and report (PDF) and upload it to Moodle by the given deadline! If you have questions, you can contact Angelos Chatzimparmpas via email ([angelos.chatzimparmpas@lnu.se](mailto:angelos.chatzimparmpas@lnu.se)) or use the Moodle discussion forum. You will have to present your work on Jan 11, 15:15–17:00, online via Zoom.

Please note: any kind of plagiarism is not acceptable!

Additionally, please note that an **optional** seminar/lab session to discuss the progress of your project and answer your questions will take place on Dec 20 — please check the Moodle course page.

Good luck!