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**Course Assignments**  
for  
**Applied Information Visualization**  
**4DV301 – Spring 2014**  
2nd assignment  
Deadline for this assignment is Apr 23, 2014.

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**Task 1** *Conceptual Design*

For the 2nd assignment you have to design a visualization tool for a multivariate data set. You have to make a conceptual design, which means that **you are not supposed to implement the visualization at this point**, since you have to get approval if your conceptual design meets the requirements. Simply draw a visualization and illustrate interaction ideas on a paper (you can use software tools for drawing if you like). Before you begin to create your visualization, think about the data set and what would people like to do with it. What would one want to know, how can he/she find specific information, what other tasks would one like to perform with the data? Does it make sense to filter out uninteresting parts? Your visualization should help users in performing these tasks. Therefore, you should select what would be the most convenient visualization and interaction techniques to support those tasks.

Submit a report with detailed images of your visualization and an explanation about it. You should explain how the user is able to perform various tasks such as browsing, highlighting, comparison of two entries, etc. Additionally, we would like to have your opinion about the advantages and disadvantages of your design.

The dataset is comprised of statistical data about football matches from 2011 to 2012 and participating players (team they are playing for, goals, penalties taken, etc.) Since this is a quite large dataset, you should not show the complete data in one view. Try to come up with some nice ideas to find and display interesting parts of it (e.g. filters, selections, zooming).

You can download the dataset from Moodle along with a detailed description about the data columns. This dataset is not available for common download, **please do not redistribute or share it with other people**.

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Include all your assignment files in a *zip archive* and upload the archive to Moodle by the given deadline! If you have questions about the assignment contact Björn Zimmer<sup>1</sup>.

**Note:** Include the course code in the email subject field (4DV301) in case you have inquiries about the assignment.

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