

# An introduction to the Mocap Toolbox

## 1 Assignment

The goal of this assignment is to investigate the relationship between rhythm and body motion based on motion capture data.

- Choose the excerpt that you find the most interesting from our motion capture recording. You will find the figures in Fronter:  
Course documentation → Mocap - MUS2500/4500 → Figures for assignment.  
(Or make your own)

Write a short report (about one A4-page) and submit a pdf of your document in Fronter (you may write in English or Norwegian).

Please include the following parts in you report:

1. **Introduction.** Why have you chosen this excerpt? What are you interested in investigating? You can also refer to the literature, if the music example/phenomenon that you will investigate is described here (but you do not have to).
2. **Analysis, findings, and discussion.** A short description of the motion data that you have analyzed (what kind of motion? Position, velocity, acceleration, QoM?). Also, please include the figure showing the plot of the motion that you have analyzed. Discuss your findings (the relationship between the rhythm and motion in the excerpt).
3. **References (optional).** If you have any citations in the text, list your sources at the end of your report.

**Deadline: 8 March 09:00.**