

## Homework 6

Due in class Tuesday, September 20th.

To read:

1. Read the excerpt from Daniel Kahneman's *Thinking, Fast and Slow*. This is roughly 80 pages, so don't leave all of it for Monday night.

In lab we accumulated data for the whole class from your written diaries. I will turn this data into a graphic like those in the "Time Lab" article that we read.

To hand in at the next lab meeting on Thursday, September 22nd:

1. **For those with a UP3:** For three days and four nights use the UP3 to record your sleep, walking, and heart rate. For one of those days also make a written diary of what you did every 30 minutes and how much you enjoyed your time during that half hour. [Use a 7 point scale from: Very Much (7) to Not at all (0).] Feel free to break the 30 minute period into smaller pieces for recording your enjoyment if that makes more sense. Make plots like those that appear in the "Time Lab" article that show time on the x-axis and activity and enjoyment on the y-axes. Also code your day in the same 7 categories that they use and display what you were doing in a similar horizontal bar graph. (I will provide some suggestions about how you can make these plots over the weekend.)

Write a brief report around these graphics that explains any unusual aspects of your graphs and what you found most interesting and surprising about putting them together.

2. **For those with a Parashoot:** For one full waking day use the Parashoot HD to record your day's activities. Also make a written diary of what you did every 30 minutes and how much you enjoyed your time during that half hour. [Use a 7 point scale from: Very Much (7) to Not at all (0).] Feel free to break the 30 minute period into smaller pieces for recording your enjoyment if that makes more sense. Make plots like those that appear in the "Time Lab" article that show time on the x-axis and activity and enjoyment on the y-axes. Also code your day in the same 7 categories that they use and display what you were doing in a similar horizontal bar graph. (I will provide some suggestions about how you can make these plots over the weekend.)

Write a brief report around these graphics that explains any unusual aspects of your graphs and what you found most interesting and surprising about putting them together. Assemble a time lapse video that captures your whole day in 5 minutes or less. Feel free to add a soundtrack and voice over if you wish. (I will provide suggestions for how to do this over the weekend.)

3. **For those brave souls that tackle both:** Do both of the above procedures (obviously only one report needed).