Techniques you learnt this week (make sure you understand them, or ask questions if you don’t):

* Visualizing many *frames* of a video, here widefield data, and understanding how to convert frames into seconds
* Plotting time courses of specific pixels in the widefield data
* Calculating the correlation between two different time courses
* Loading the Allen atlas, and figuring out which region is located where in the brain
* Plotting the mean time course of a specific region
* Version control – using github
* Statistical testing

Homework for Tuesday

* Plot the *averages* of the widefield data in two different regions (ex. MOp1\_L and SSp\_ul1\_R) on the *same* plot, using two different colors (hint: look at plottimecourses.m and plotaveragetimecourse.m)
* Calculate the correlation between the average time courses of the two regions (hint: look at plottimecourses.m)
* Do this for both the spontaneous and the ‘evoked’ or stimulated datasets; is the correlation different, or the same?