**Techniques** you learned 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 significance

**Homework** for Tuesday

1. Plot the average timecourses of the widefield data from the spontaneous dataset for two different regions (ex. MOp1\_L and SSp\_ul1\_R) on the *same* plot, using two different colors (hint: start with trying a single region; then look at plottimecourses.m and plotaveragetimecourse.m to try and modify the code to plot two timecourses in the same plot)
2. Calculate the correlation between the average time courses of the two regions in the spontaneous dataset (hint: look at plottimecourses.m)
3. Redo both 1. and 2. for two regions in the stimulus evoked dataset; is the correlation stronger for one dataset?