Project details
Grading Recap

• Project (40 points)
  – Project pitch (5 points, group)
  – Project update (5 points, group)
  – Final movie (5 points, group)
  – Four page write-up (25 points, group)
  – Best project by class vote (extra credit, 2 points, group)
Groups

- Groups of 3 (30 students => 10 groups)
- Make your own groups
- Find people you can work with: they will impact your grade!
- Reminder: You are adults. I will not mediate difficult group dynamics.
Topics

• Two choices
  – Topic related to your thesis research (you need to tell me how it fits in with your thesis, and that you have the resources to complete the project)
  – Select a study from a paper published in the last three years of ACM Transactions on Applied Perception (http://tap.acm.org/), or CHI (http://dl.acm.org/citation.cfm?id=2470654)
  – Find something you can reasonably implement/extend
  – The idea is to take an experiment from beginning to end, hence, we decide topics early
Constraints

- Remember: you only have a portion of 1 semester to do this
- One independent variable, with a maximum of 3 conditions
- Minimum one dependent variable, maximum 3 dependent variables (the more you have the more work you have to do to interpret the results)
- Minimum #subjects = 10
- If you are doing the project related to your thesis work, you may need to run more for it to be publishable – that’s okay to do as part of class.
- There will be one class week set aside to run subjects (so if you need ~30 minutes for a subject, you should be done in 6 hours plus a couple of hours for setup/take down...plus some time for no-shows or cancellations...that’s a typical hourly load for a 3 credit class)
Example Project Pitch

• Topic: Study eye movement variability for comic book art
• Group members: Eakta Jain, John Smith, Jane Smith

If thesis research, say so, else provide complete citation for the paper where you have selected a study you will replicate.
Hypothesis

• Eye movements in comic art are more highly correlated among people when compared to amateur photographs.
Variables

• Independent variable: Type of picture
• Dependent variable: Number of fixations, Average duration of fixations
How will you test it

• I will eyetrack people looking at both categories of pictures.
• I own 20 comic books. I will scan them using the department scanner.
• I have a Flickr account. I will download pictures from there.
• I have access to an eyetracker in my adviser’s lab, and I have my adviser’s permission to use it for this class.
Project pitch logistics

• 10 groups => Need to keep to 5-7 mins!
• I will cut you off at 8 minutes
• If your group would like to line up while the previous one is on its last slide, that’s fine. If not, your 8 minutes will include set up time.