7.18 Day 2 Agenda

- revised syllabus
- paragraph revision
- logic of a research paper
- organization of a research proposal
- how to present data in a lab talk
Paragraph revision

critique:

what is the main topic

does the logic flow progressively

what is the conclusion or punchline

is the data interpreted correctly

comment about word choice, sentence structure, grammar
Logic of a research paper or proposal

what's the question
what did you do
what did you see
what do you think

what are your specific aims
what is the big question and its significance
what do you want to do
justify its significance
how will it answer the question
is there preliminary results to justify the plan
How to present data in a lab talk

tell a story
introduce the topic and specific problem
structure, diagram, or model
describe the method to solve the problem
details of the methodology
what are the main results
show the raw data and processed data
what is the interpretation and hypothesis

all figures, diagrams should be in black and white, NO COLOR
print out copies of your ppt presentation and distribute to class
email presentation to the instructors 2 days in advance for their comments
Guidelines for slides

white background
black and white text, charts, diagrams
images imported from jpeg or tiff files
(not GIF)
proper attribution of sources
maximum ten slides
20 minute talk (time your talk)
email slides by monday morning