

## 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