Something about Final Project

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The last things you need to do to finish your stat 849

- Complete your final project / paper review, and write a report
- Present your work in the poster session
- Review one of the posters in poster session
Present your work in the poster session

- **Time:** Dec 16, 2009
- **Location:** SMI 133
- **Procedure:**
  
  Each of you has 4 minutes to describe what you’ve done and highlight the most interesting part.

  Last name starts with
  
  - A-L present during 12:30 a.m. - 2:30 p.m.
  - M-Z present during 2:30 p.m. - 4:30 p.m.
What is a scientific poster?

RESULTS OF FORMATIVE RESEARCH FOR A FOOD STORE-BASED INTERVENTION IN BALTIMORE, MARYLAND

Maria C. Franceschini, Joel Gittelsohn, Amy E. Vastine, Lara S. Ho, Shari L. Jennings, Jennifer Nielsen, Wendy Pavlovich, Jee Rah, Kevin D. Frick, Valerie Thompson.
Johns Hopkins University, Baltimore, MD. 21205.

Abstract
Globally and obesity-related diseases in the United States disproportionately affect minorities and those living in urban areas. The goal of this research was to identify social ecological change in urban areas that may result in changes in food access.

Methods
Food Stores: A social ecological approach to food stores and access helps communities to identify social ecological change in urban areas that may result in changes in food access.

Results
Food Stores: A social ecological approach to food stores and access helps communities to identify social ecological change in urban areas that may result in changes in food access.

Successful Food-store Intervention: A Storeowner’s perspective

Conclusion

From Healthy Stores projects (www.healthystores.org)
How to make the poster?

- A (one page) poster can be made using **Powerpoint** by setting the page to specific size.

- Since our department doesn’t pay this for you and it could be quite expensive (you can check it in the copy store near *Subway* to make your own decision), multiple pages of usual powerpoint slides (A4) will be accepted. The size of 10-15 slides is recommended.

- If you use a bunch of PPT slides, please use large font (maybe also fewer words). Please be careful about the background, too. Background with lighter color works better.
Where to post the poster?

- You can glue or tape your poster on some paperboard and bring it to classroom.

- You can tape your poster on wall (remove it after the session). If you use multiple pages, please be careful about the order. Tapes are supposed to be prepared by yourself.

- You can simply put it on the desk.

- You need to come a little bit earlier to prepare your poster.
What should be put on poster?

- A formal poster has completed structure as common scientific writing: abstract, introduction, method, result, conclusion and discussion, acknowledge and reference.

- In our case, mainly highlight your motivation and results. The point is to better use your time.

- Use graphical illustrations.
Review one of the posters in poster session

- You will be randomly assigned to review a poster (more likely you can choose one).

- The review is supposed to be a half page to 1 page review, emphasizing the strong and weak points of the poster you review.

- It is due the next morning 10:30 a.m. (Dec-17).
Project Report / Paper Review

- Project Report / Paper review is due the poster session. Please print out your report in advance.

- This report / review occupies majority of rest proportion for final grade. It’s recommended that it has about 5 pages text and some relevant tables and figures. Please label your tables and figures. It’s highly recommended not attaching $R$ output.

- How to write your project report?

- How to write your paper review?
How to write a scientific report?

- abstract, introduction, methods, results, conclusion, discussion, reference …

- Which part will you like to read first when you glance a paper?

- Title!!

- Abstract!!
Abstract

- Abstract section is a brief summary of the whole paper, typically 100-200 words, including motivation, question, method and conclusion.

- One abstract could make itself the only part of paper people read.

- Be direct, precise and specific.
Introduction

- Motivation for this work
- Literature review of previous relevant studies
- Question(s) addressed by this work

- Some people like to outline the whole paper.
Methods

- Usually, this section is a summary of new proposed technique and how it works. It could include the basic thinking of this method, the detailed algorithm, and some possible comparison with existing related methods.

- No matter how simple you judge your method is, please make some description of it, and explain the reason you use it.
Result

- This section shows how the method performs. Frequently, it includes the majority of tables and figures.

- Theoretical results and application results differ from each other. Application results usually include simulation and real data analysis.

- In our case, some basic description of the data set you use is necessary.
Conclusion / Discussion

- What problem is addressed, how it is addressed, and why it should be addressed.

- Evaluates the strength and weakness of the whole approach.

- What kind of improvement could be considered.
Reference

- Usually, the reference of formal publication only contains the literatures talked in this paper, and has the corresponding citation index.

- The listing order could be the index of citation, could be the alphabetic order of last name of first author, could be …
How to write a paper review?

- A literature review is “a critical analysis of a segment of a published body of knowledge through summary, classification, and comparison of prior research studies, reviews of literature, and theoretical articles.” (Wisconsin)

- The format varies, roughly containing introduction, main body and conclusion. Some terms could be covered correspondingly.
Introduction

- Identify the topic, issue, or area of concern, providing a context for the review.
- Give some overall description of this topic.
- Explain the reason for reviewing this literature.

Main Body

- Summarize the details of the paper reviewed.
- Analyze the workflow, theory or application.
- Analyze the strength and weakness of the method and compare it with others.
Conclusion

- Summarize the major contributions of the paper, and respond to why reviewing this paper.

- Evaluate the current situation in this area, and point out potentially methodological flaws.

- Conclude with connecting the central meaning of the review to a larger discipline.
Others

- Sections can be organized in different way. Some may be grouped together.

- Use present tense for established fact and past tense for the work you’ve done.

- ...
Essentially, all models are wrong, but some are useful.
Thank you for your support!

Good luck to your exams!

Have a wonderful vacation!