

## APS 425 Fall 2015

### Advanced Managerial Data Analysis

<http://schwert.ssb.rochester.edu/a425/a425.htm>

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## Introduction

- For you to make effective decisions as a manager, you must make sense of a variety of kinds of information
- A sound factual basis for the decision is a major component of getting it implemented, but the effectiveness of this will be much enhanced if it is communicated well
  - in class discussions, assignments, exams, and on the project, there will be a premium for avoidance of unnecessary terminology and effective managerial-style presentation.

## Expectations of Students

- Keep up
- Do your assignments
- Make sure you participate fully in group work
- Statistical analysis is no substitute for *thinking*

## Grading

- midterm (11/3/2015) counts 20%
- final (probably 12/8/2015), counts 30%
  - No make-up exams
- Four cases (homeworks) are group assignments and count 20%
- Group project due 12/1/2015 counts 20%
  - Group grades are allocated at the end of the course by the group (see memo for more info)
- Professionalism and class participation count 10%

## Web Pages

- All information related to the course will be available through the course web page  
<http://schwert.ssb.rochester.edu/a425/a425.htm>
- Lecture notes, slideshows, cases, exams, answers, and grades will all be available

## Course Materials

- Textbook
  - Jeffrey M. Wooldridge, *Introductory Econometrics*, 5<sup>th</sup> edition [required - available as an Ebook for less money]
  - Francis X. Diebold, *Elements of Forecasting*, 4<sup>th</sup> edition
    - recommended
- Software
  - Eviews is available for \$95:
    - <http://shop.ihs.com/buy/en/ihs/software-eviews/academic-eviews-9-enterprise-edition-stand-alonehere>

## Topics

- Review multiple regression
- Functional form
- Prediction
- Collinearity and categorical explanatory variables
- Heteroskedasticity
- Categorical dependent variables
- Time series analysis
- Time-varying volatility

## Links

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