Questions and comments
- Small Group Q & A on the homework
- Check Where we are in the syllabus
- Office Hours Tomorrow will be 10:30-11:30 AM, NOT 2-3 PM

Case Study: Analyzing the Budget in Upstate County

Demo of Vensim Software (Part I)
- Reviewing the Drawing tool
- Typing in equations for a simulation
- Getting a simulation Graph
- Making Comparative Plots and Reruns (Including loading different datasets)

Concept Map for System Dynamics and Systems Thinking

Systems Thinking—Qualitative Tools for Systemic Analysis (Creating a competitor to the Rockefeller College)
  - Dynamics (graphs over time)
  - Stock and flow diagrams
  - Word and Arrow Diagrams
  - Feedback loops

Some Quantitative Issues
- What Happens when the Time Step and Time Units are Different (from difference to differential equations)
- Difference Equations with and without stocks and flows
- Analytic Solutions to a simple equation (See Your Notes from Last Week)

Vensim Demonstration Part II (Time Permitting)
- More on loading graphs and making reruns
- Showing more than one variable on a single graph

Assignment
1. Turn in Problem Set: Difference Equations Problems # 3, 4, 5, and 6 (Try to use Vensim Drawing Tool for Question #6)
2. Optional Work (+.5 Bonus) Due October 15: Introduction to System Dynamics Part I (Requires downloading and installing Vensim)
3. Write a Decision Memo on Analyzing Budget in UpState County (Due October 15 (I will give fast comments on early submits))
4. Read Stokey and Zeckhauser Chapter 7
5. Optional Lab on Vensim: Wednesday October 8, 3:45-5:15 PM
6. Review the readings: Senge, Richardson, Vensim Manuals and Tutorials