OUTLINE FOR RSS PRESENTATION

1. (5 minutes) Objective and Outline of Presentation

   - objective - need for communicating statistics, especially to students in an introductory course
   - outline of presentation

2. (10 minutes) Empirical Problem Solving

   - what is EPS?
   - the pervasiveness of EPS (two egs - one from science(SOL), one from newspaper - photo radar?
   - EPS and Scientific Method
   - EPS = the application of Statistics

3. (45 minutes) Structure and Language

   - key to communication is structure and language (also notation?) - chance to slam the opposition
   - PPDAC - broad outline to second level
   - reaction time lab - work through PPDAC, highlighting structure and terminology, include model for data (small y and large Y)

4. (10 minutes) The role of the model

   - describing the response variates and attributes
   - estimating attributes
   - describing hypothetical repetitions of DAC
   - estimators, formal inference procedures

5. (20 minutes) Consequences(for teaching)

   - forces balance of coverage of EPS (all examples, cases presented within the framework- many "standard topics" deleted
   - requires much more information about context eg newspaper clippings insufficient
   - much broader scope to discuss simple(from analysis point of view) examples
   - more work than mathematical treatment- assessment a challenge but can be done
   - opportunity for active participation of students in EPS - provides structure

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- good stuff sticks to students - students understand that Statistics is relevant, useful, important

6. (1 minute) Summary