Agenda: MST 6600 January 31st, 2018

1) Debrief for week 4:
   a) I appreciate everyone keeping pace with the assignments. Everyone has submitted the Check Standard plots
      i) Good use of Powerpoint (it wasn't distracting!)
      ii) Continue to THINK about formatting. If you have time, "tweak" your plots
      iii) What would you say about each chart. (Key message in one sentence.)
   b) Online office hours (via Zoom)
      i) usually when something isn't working, it's fixable
   c) Setting the working directory
      i) RStudio | Preferences…
         (1) Options | General Default working directory (when not in a project)
   d) Challenge!
      i) Look for ggplot graphics in online articles
      ii) Do you look at data differently? https://www.nytimes.com/2018/01/26/business/economy/gdp-economy.html
      iii) https://www.vox.com/policy-and-politics/2018/1/30/16945386/trump-economy-state-of-the-union
      iv) http://physicstoday.scitation.org/doi/10.1063/PT.3.3816
         (1) may need to be on campus to access this article
   e) Updated data file (again… at this stage, data importing shouldn't be the challenge
      i) Import into Excel and save as a csv
      ii) Clean up the data file using a text editor (TextWrangler for Mac—TextEdit requires changes in the preferences; Windows: Suggestions?)
   f) Setting the default work directory (demo)
   g) I'm glad to be here!
2) Canvas files—so far, I'm staying current. (Still!)
3) In class discussion materials
   a) Gauge R & R
      i) TOO MUCH MATH
      ii) Look at examples
   b) EDA of data
4) Looking ahead – Data transformation
   a) Chapter 5 of R for Data Science

Meeting outcomes:
1) Understand the use of Gauge R & R studies, their strengths and limitations.
2) Use EDA to explore the Gauge R&R data and be able to make recommendations based on the data.
3) Implement data analysis using the SixSigma package.