# 1/12/2010     36-402/608 ADA-II     H. Seltman
## Breakout #1

| Printed Name | Signature |
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Discuss each of these points in detail. Write a few key words of your discussion on the back for each point. Turn this sheet in for credit.

1. Look at the Breakout #1 Results and summarize the EDA.

2. Look at the code and come up with explanations or questions about anything that is unfamiliar or questionable.

3. Explain what a statistical model is, what model applies to the given results, and what the null and alternative hypotheses are.

4. Give a clear statement of the meaning of the p-value and confidence intervals.

5. Explain how the model assumptions might be justified and/or checked. Explain what might happen if the assumptions are incorrect.

6. Define power. Explain how it applies to this problem.

7. If time permits: think about how the t-test is constructed.