Homework #1 (20pts total) Name\_\_\_\_Yuxuan Chen\_\_\_\_\_\_\_\_\_\_\_

Due 1/19 1pm

1. (5pts) Complete survey: <https://www.surveymonkey.com/r/JS3HK7H>
2. Read from canvas: Hommel, E et al. “Effect of captopril on kidney function in insulin-dependent diabetic patients with nephropathy.” *British medical journal (Clinical research ed.)* vol. 293,6545 (1986): 467-70. doi:10.1136/bmj.293.6545.467
3. (15 pts) A randomized clinical trial was reported by Hommel et  
   al. (1986) in which insulin-dependent patients with diabetic nephropathy were randomized to receive either Captopril, a drug intended to reduce blood pressure, or a placebo. The systolic blood pressure was measured before randomization, giving a baseline value, and then again after one week of treatment. The data file contains 4 columns:

Text

Description automatically generated

This was a small clinical trial with 16 participants. The research question is straightforward: *Was the intervention effective in reducing systolic blood pressure?*

**Summarize and graph the data to show the differences between the 2 treatments. Perform a statistical test and write 1-2 sentences on the conclusion and interpretation.**

**INCLUDE in canvas submission: One word document including your graph, analysis and brief conclusion.**