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Econometrics HW 1

### Group Members

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### Dice Experiment

I put a die in an oven at 250°F for 10 minutes with the 6 face pointing up. I kept the other die at room temperature as a control. After heating, I found that the shape of the die completely changed. It expanded and there was a noticeably larger base on the 1 face. After letting it cool, I rolled each die 20 times.

0 = not a six

1 = six

Results:

Control: 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 = 4/20

Heated: 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 1 0 = 6/20

The unheated die landed on 6 in 4 of the 20 rolls, while the heated die landed on 6 in 6 of the 20 rolls.

### Household Pulse Data Findings:

Some interesting insights from the dataset are that smaller households with 1-2 people are more likely to have private health insurance and larger households may struggle accessing private coverage, due to income constraints. Also, smaller households report lower averages of anxiety and worry

### Questions

- 1 - Do people in certain jobs (government, private company, nonprofit, self-employed) report more anxiety or worry?
- 2 - Do people with higher education levels have more access to private insurance?
- 3 - Is there a relationship between the number of kids in a household and mental health?