Name:	Date:
Name.	Date.

IDS Unit 2 Design Project and Oral Presentation

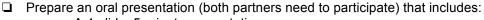
Available data sets:

- Food Habits
- 2. Time Use
- 3. Stress/Chill
- 4. Personality Color

Your mission is to ask and answer a statistical question using at least one data set above.

- 1. Your question must include a comparison of 2 distinct groups.
- 2. Your analysis should address whether any observed differences are real or could be simply due to chance.
- 3. You should use at least 2 of the following methods to answer your question with appropriate explanations:
 - Merge data
 - Create simulations
 - ☐ Calculate probabilities based on simulations
 - ☐ Use a Normal model
 - □ Shuffle/permute data

You will have 5 days to complete this project with your assigned partner. You need to:





- o A 4-slide, 5-minute presentation
- An explanation of why you think your statistical question is interesting
- o An interpretation of supporting plots and summaries that answer your question
- A reasoning of whether you think the outcome might be due to chance
- ☐ Submit a 2 4 page, typed, double-spaced summary of your analysis.



Project Assignment Sequence:



- Day 1: Decide on a statistical question with assigned partner; get approval from teacher
- ☐ Day 2: Working day for analysis create plots and numerical summaries
- ☐ Day 3: Working day for analysis create presentation (4 slides maximum)
- Day 4: Presentations
- Day 5: Presentations