

Name: _____

Date: _____

Lab 2A: All About Distributions Response Sheet

Means and medians

- Use a similar line of code to calculate the median value of *your* predominant color.
- Are the mean and median roughly the same? If not, use the dotPlot you made in the last slide to describe why.

Comparing introverts/extroverts

- Do introverts or extroverts differ in their typical scores for your predominant color? Answer this statistical question using your dotPlot.
- Assign the mean values a name. Then place the name into the `diff()` function to calculate the difference. How much more/less did one group (introvert/extrovert) score over the other for your predominant color?

Estimating Spread

- Look at the spread of the dotPlot you made for your predominant color then fill in the blank:

Data points in my plot will usually fall within _____ units of the center.

- Which group (introverts or extroverts), if either, seems to have values that are more spread out from the center?

