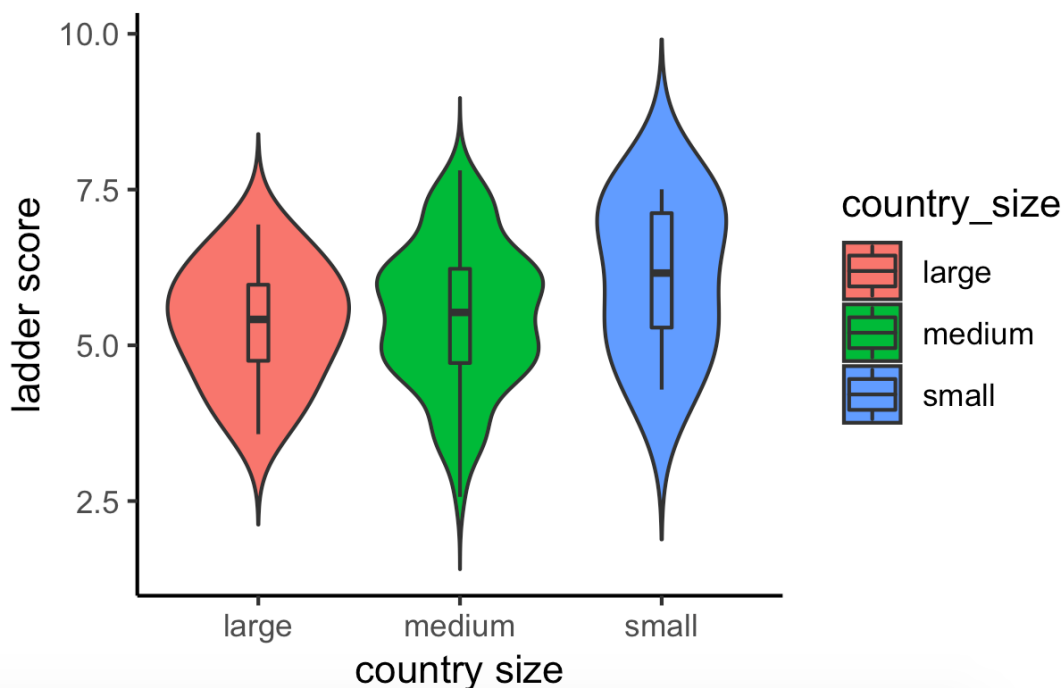# Week 5 Practice
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This week, you will be working with data from the 2020 World Happiness Report. They use a measure called "ladder score" to measure happiness in countries. They also collect a bunch of other measures for each country. We have also included population and the new variables you created last time.

1) Load in world-happiness_2020.csv and look at your data

2) Create a violin plot relating happiness levels to social support. Use ladder_score_cat as the x-value and Social_support as the y-value.

3) Is this relationship between social support and happiness the same for all country sizes? (hint: Remember the categorical country_size variable you created last time).

4) Recreate the following violin plot looking at ladder score by country size.

5) Customize your plot in the following ways:
      a) Change the y-axis to go from 0 - 10
      b) Change the color scheme to a color of your choosing

c) Remove the legend because it is redundant by adding the following object to the bottom of your ggplot code: `theme(legend.position = "none")`

6) Plot the relationship between generosity and perception of corruption.
   a) Include a regression line in your plot
   b) Change the color of the points on your plot
   c) Change the color of the regression line
   d) Include the option `se = FALSE` in your regression line object. What does this do?

7) Recreate the plot below or create your own plot with variables of your choosing

Hint: we've set a few options in our scatter plot object.
`color = "dark green"` and `shape = "diamond`