



## Lesson 4: Problem Set: Explore One Variable



## Data Wrangling with R



- ✓ 4. Quiz: Diamond Counts
- ✓ 5. Quiz: Cheaper Diamonds
- ✓ 6. Quiz: Price by Cut Histograms
- ✓ 7. Quiz: Price by Cut
- ✓ 8. Quiz: Scales and Multiple Histograms
- ✓ 9. Quiz: Price per Carat by Cut
- ✓ 10. Quiz: Price Box Plots
- ✓ 11. Quiz: Interquartile Range - IQR
- ✓ 12. Quiz: Price per Carat Box Plots by Cut
- ✓ 13. Quiz: Carat Frequency Polygon
- ✓ 14. Data Wrangling with R
- ★ 15. Quiz: Gapminder Data
- ★ 16. Quiz: Exploring Your Friends' Birthdays

Data munging or data wrangling can take up much of a data scientist's or data analyst's time. There are two R packages that make these tasks easier in R: **tidyr** and **dplyr**.

**tidyr** - a package that reshapes the layout of your data

**dplyr** - a package that helps you transform tidy, tabular data

Review [Data Wrangling in R](#) to get a sense of how these packages allow you to manipulate data. You can use these packages to help you in the next programming task and in your future investigations.

There are some useful cheat sheets on [RStudio's webpage](#). The Data Import and Data Transformation cheat sheets available at that site will be especially good references for working with **tidyr** and **dplyr**, respectively.

Mentorship

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