R Dataframe Categorical Variables with forcats

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2020-04-14

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Factor Label and Combine

Go to the RMD, R, PDF, or HTML version of this file. Go back to fan's REconTools Package, R Code Examples Repository (bookdown site), or Intro Stats with R Repository (bookdown site).

Factor, Label, Cross and Graph Generate a Scatter plot with different colors representing different categories. There are multiple underlying factor/categorical variables, for example two binary variables. Generate scatter plot with colors for the combinations of these two binary variables.

We combine here the vs and am variables from the mtcars dataset. vs is engine shape, am is auto or manual shift. We will generate a scatter plot of mpg and qsec over four categories with different colors.

- am: Transmission (0 = automatic, 1 = manual)
- vs: Engine (0 = V-shaped, 1 = straight)
- mpg: miles per galon
- qsec: 1/4 mile time

Now we generate scatter plot based on the combined factors

Distribution of MPG and QSEC from mtcars

https://fanwangecon.github.io/R4Econ/amto/tibble/htmlpdfr/fs_tib_factors.html

