

How to Choose a Chart

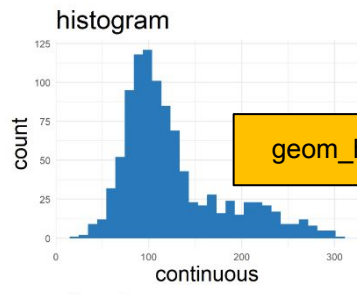
A Statistically Informed Visual Guide



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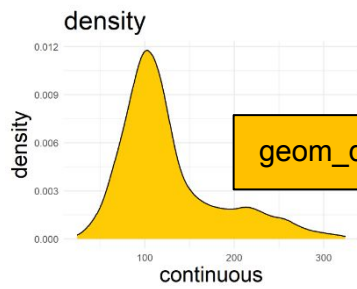
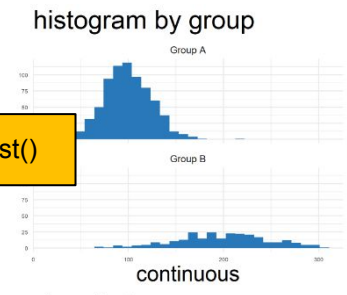
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<https://agrogan1.github.io/>

Continuous

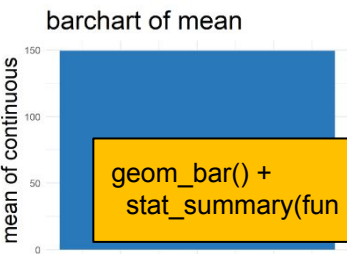
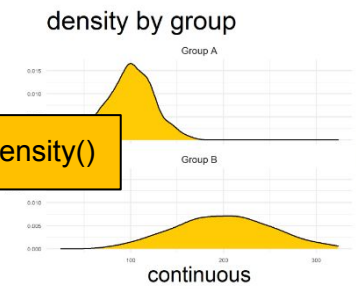


`geom_hist()`

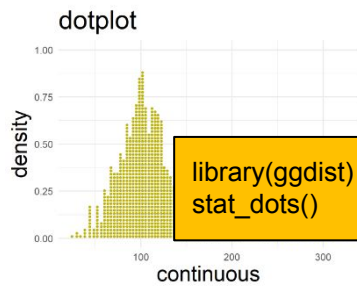
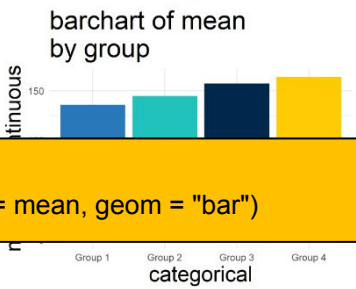
Continuous by Categorical



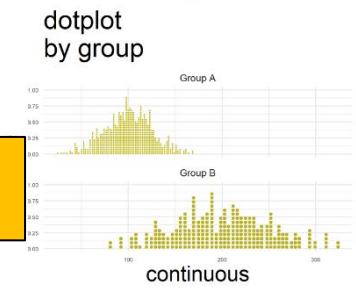
`geom_density()`



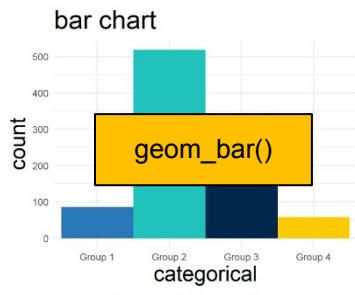
`geom_bar() + stat_summary(fun = mean, geom = "bar")`



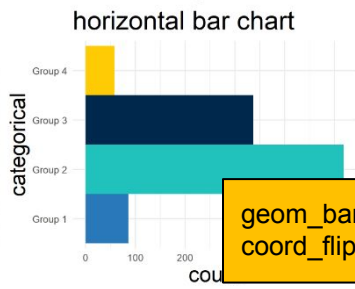
`library(ggdist)`
`stat_dots()`



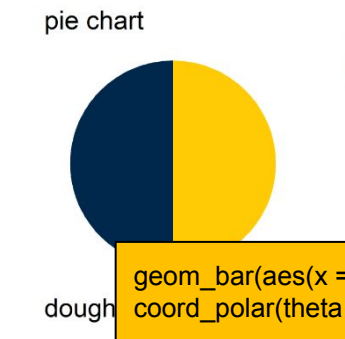
Categorical



`geom_bar()`



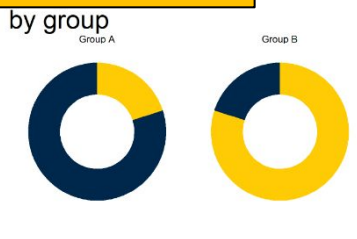
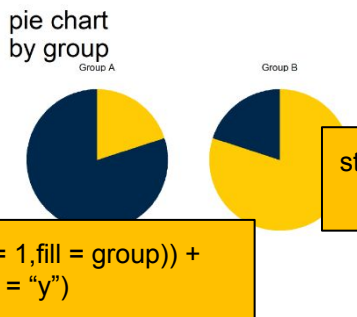
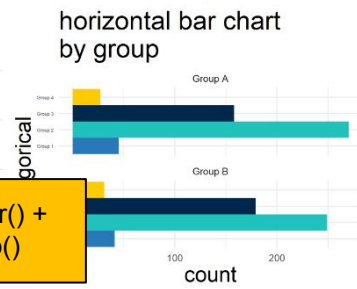
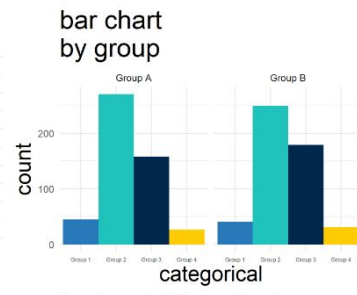
`geom_bar() + coord_flip()`



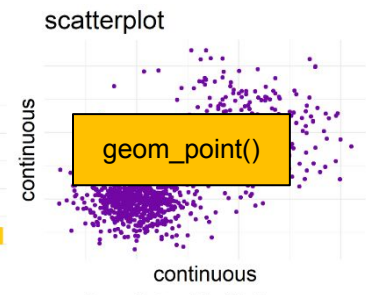
`geom_bar(aes(x = 1, fill = group)) + coord_polar(theta = "y")`



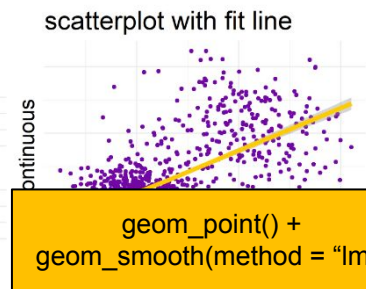
Categorical by Categorical



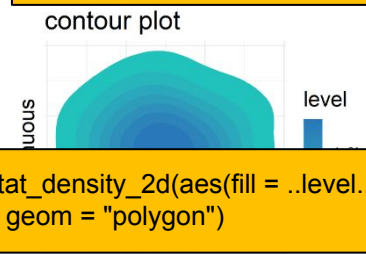
Continuous by Continuous



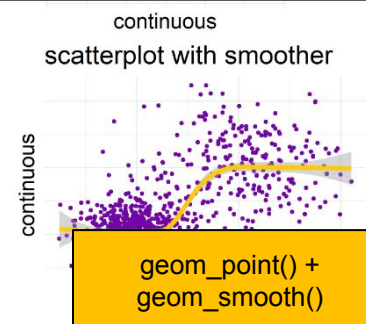
`geom_point()`



`geom_point() + geom_smooth(method = "lm")`



`stat_density_2d(aes(fill = ..level..), geom = "polygon")`



`geom_point() + geom_smooth()`