

# How to Choose a Chart

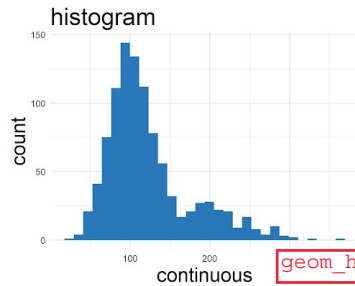
## A Statistically Informed Visual Guide



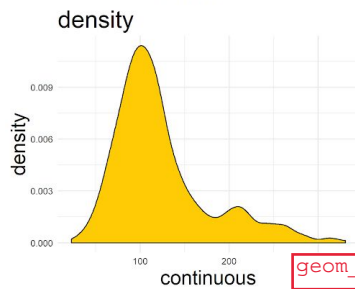
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<https://agrogan1.github.io/>

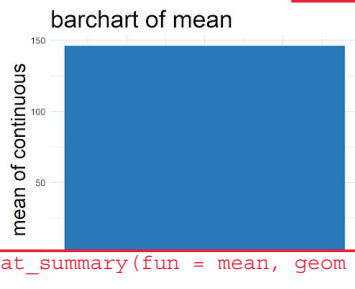
### Continuous



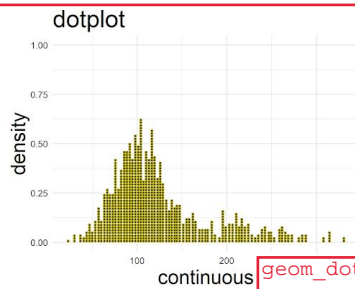
`geom_hist()`



`geom_density()`

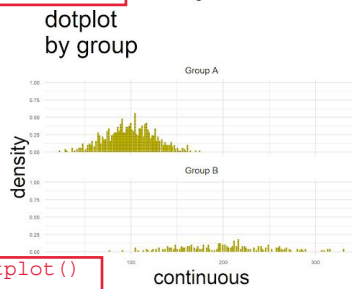
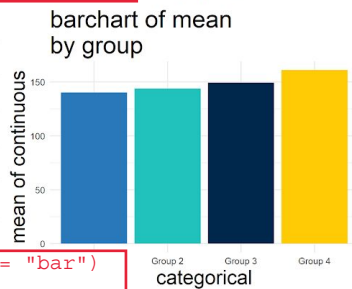
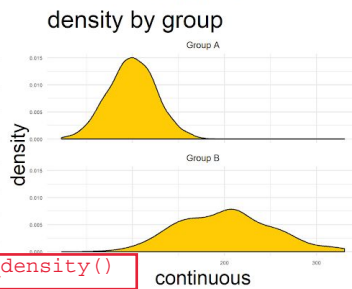
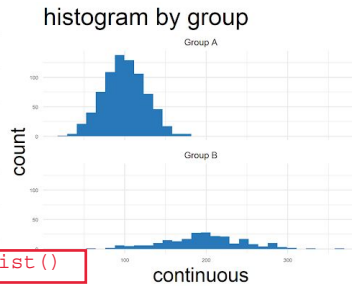


`stat_summary(fun = mean, geom = "bar")`

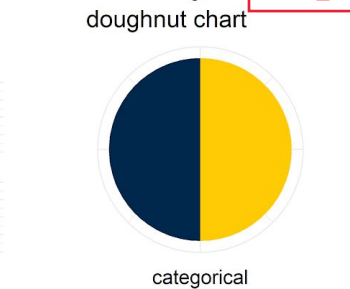
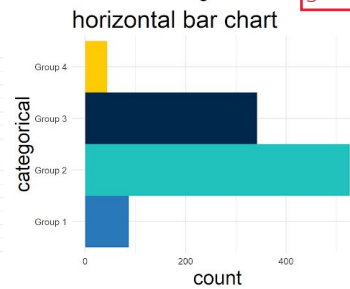
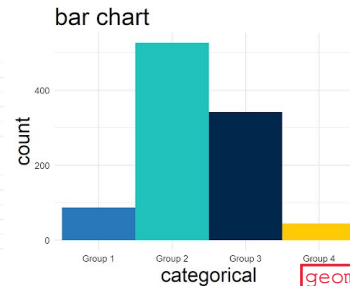


`geom_dotplot()`

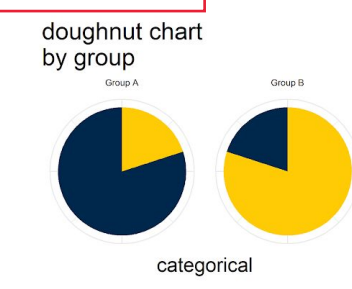
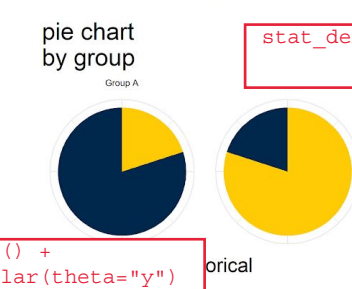
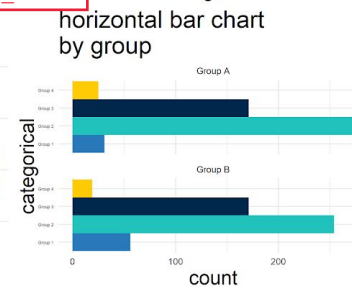
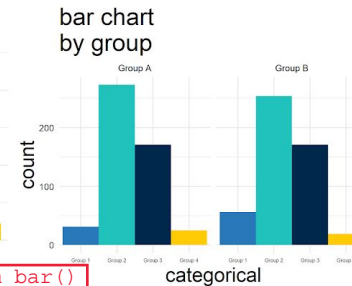
### Continuous by Categorical



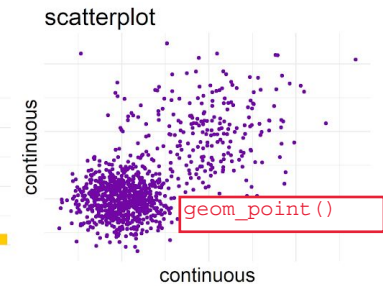
### Categorical



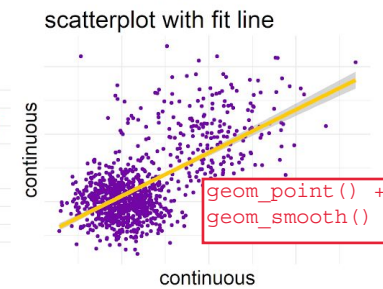
### Categorical by Categorical



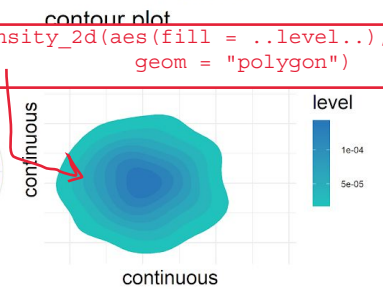
### Continuous by Continuous



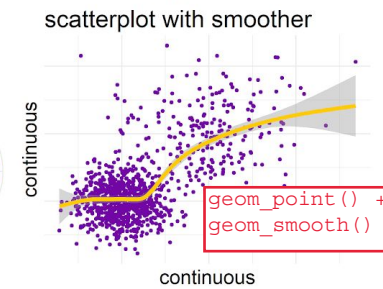
`geom_point()`



`geom_point() + geom_smooth()`



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



`geom_point() + geom_smooth()`