RStudio Cheatsheet

Preliminaries

Load package
```
library(hanoverbase)
```

Load Data

Data from package
```
data(counties)
View(counties)    # Only in console
help(counties)    # Only in console
```

Data Import TODO

Data Viewer

TODO

Summaries

Numerical Variable
```
favstats(~pop2010, data=counties)
favstats(miles~direction, data=driving)  # miles by direction
favstats(~miles|direction, data=driving) # same thing
median(~female|state, data=counties) %>% sort()
iqr(~poverty|state, data=counties)
```

```
tally(~state, data=counties)
tally(~state, data=counties) %>% sort()
# Column-wise percents
tally(~genhealth|sex, data=brfss, format="percent", useNA="no")
# Total percents
tally(~genhealth+sex, data=brfss, format="percent", useNA="no")
```

Graphs

1-var

Categorical Variable Histogram
```
histogram(~pop2010, data=counties, breaks=20)
histogram(~pop2010, data=counties %>% filter(pop2010 <= 2e6))
```

Barchart

:

Boxplot

:

Labeled Dotplot
```
sum(~own_rate|country, data=guns) %>% sort() %>% dotplot()
```

2-var

100% Stacked Barchart

:

Scatterplot

:

3-var

Additions

Colors

Panels

Misc

Head/Tail

Value Labels

Item Lists