

SAS using chunk options, 2021_08_21

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```
library(SASmarkdown)

## sas, saslog, sashtml, and sashtmllog engines
##   are now ready to use.

library(ggplot2)
```

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
proc means data=sashelp.class;
run;

##                               The MEANS Procedure
##
## Variable      N          Mean          Std Dev          Minimum          Maximum
## -----
## Age           19      13.3157895      1.4926722      11.0000000      16.0000000
## Height        19      62.3368421      5.1270752      51.3000000      72.0000000
## Weight        19     100.0263158      22.7739335      50.5000000     150.0000000
## -----

proc freq data=sashelp.class;
  tables sex;
run;

##                               The FREQ Procedure
##
##                               Cumulative      Cumulative
## Sex      Frequency      Percent      Frequency      Percent
## -----
## F           9         47.37           9         47.37
## M          10         52.63          19        100.00

theme_set(theme_bw())

# plot
g <- ggplot(mpg, aes(manufacturer, cty))
g + geom_boxplot() +
  geom_dotplot(binaxis='y',
```

```

    stackdir='center',
    dotsize = .5,
    fill="red") +
theme(axis.text.x = element_text(angle=65, vjust=0.6)) +
labs(title="Box plot + Dot plot",
     subtitle="City Mileage vs Class: Each dot represents 1 row in source data",
     caption="Source: mpg",
     x="Class of Vehicle",
     y="City Mileage")

```

`stat_bindot()` using `bins = 30`. Pick better value with `binwidth`.

Box plot + Dot plot

City Mileage vs Class: Each dot represents 1 row in source data

