R Notebook

This is an R Markdown Notebook. When you execute code within the notebook, the results appear beneath the code.

Try executing this chunk by clicking the *Run* button within the chunk or by placing your cursor inside it and pressing *Ctrl+Shift+Enter*.

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.5.1     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.1
## v purrr     1.0.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(dplyr)
library(tibble)
library(ggplot2)
```

```
stressanxiety<-read_csv(file="C:/Users/ushad/Downloads/StressAnxiety.csv")
```

```
## Rows: 166 Columns: 3
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## dbl (3): rownames, stress, anxiety
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
stressanxiety
```

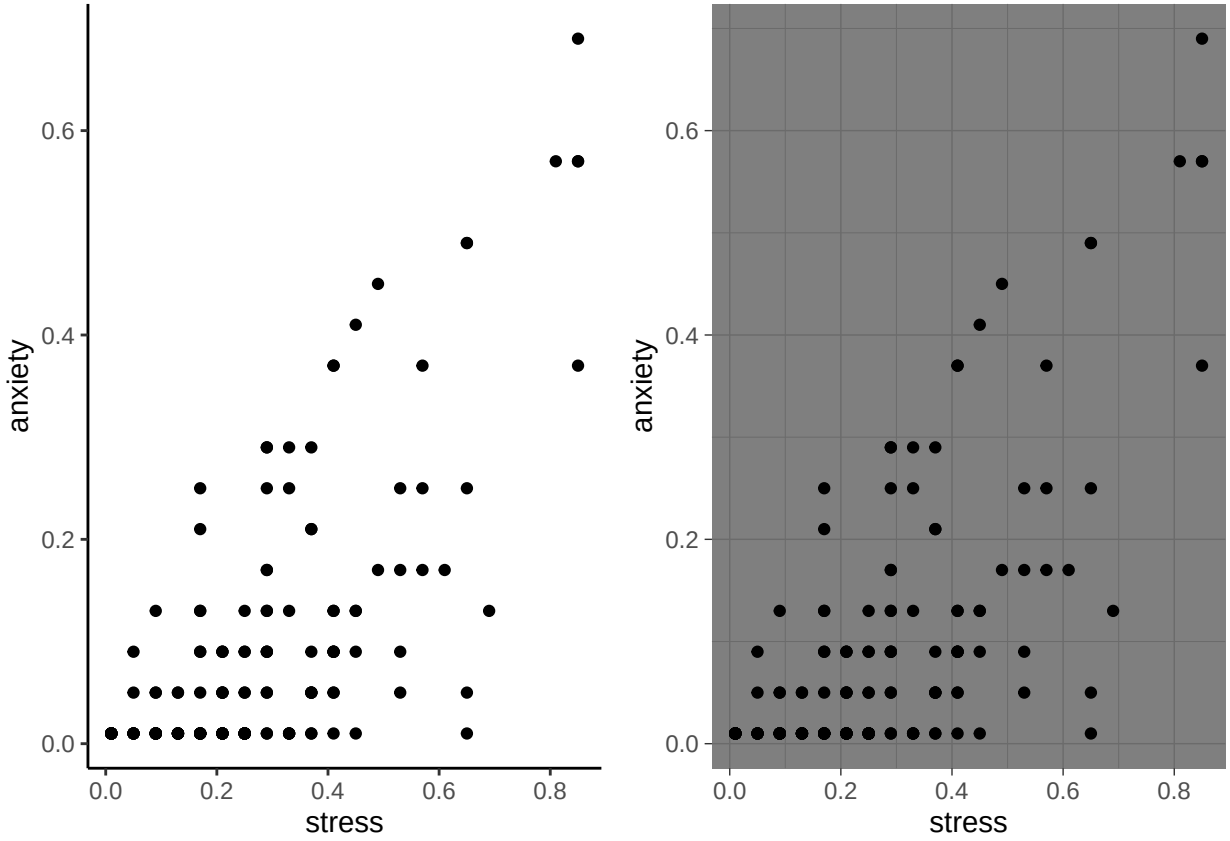
```
## # A tibble: 166 x 3
##    rownames stress anxiety
##       <dbl>  <dbl>   <dbl>
##  1        1   0.01    0.01
##  2        2   0.29    0.17
##  3        3   0.17    0.01
##  4        4   0.41    0.05
##  5        5   0.21    0.09
##  6        6   0.45    0.41
```

```
##  7         7   0.21    0.05
##  8         8   0.01    0.01
##  9         9   0.25    0.13
## 10        10   0.45    0.01
## # i 156 more rows
```

```
plot1<-ggplot(stressanxiety, aes(x=stress, y=anxiety)) + geom_point() +theme_classic()
plot2<-ggplot(stressanxiety, aes(x=stress, y=anxiety)) + geom_point() +theme_dark()
library(gridExtra)
```

```
##
## Attaching package: 'gridExtra'
##
## The following object is masked from 'package:dplyr':
##
##     combine
```

```
grid.arrange(plot1, plot2, ncol = 2)
```

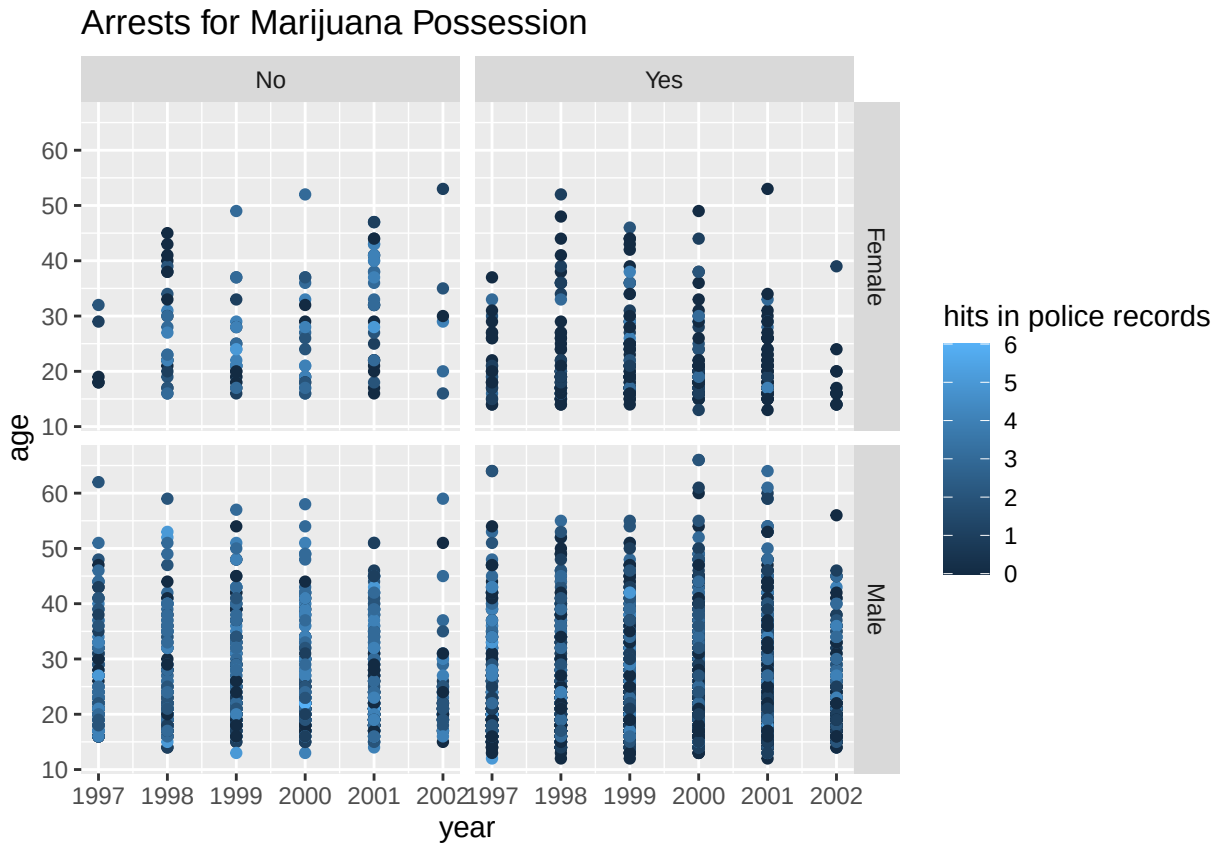



```
arrest<-read_csv(file="C:/Users/ushad/Downloads/Arrests.csv")
```

```
## Rows: 5226 Columns: 9
## -- Column specification --------------------------------------------------------
## Delimiter: ","
```

```
## chr (5): released, colour, sex, employed, citizen
## dbl (4): rownames, year, age, checks
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
ggplot(arrest, aes(x = year, y = age, color=checks)) +
  geom_point() +
  facet_grid(sex ~ employed) + labs(title="Arrests for Marijuana Possession", color="hits in police rec
```




```
#how to apply conditional coloring, change coloring pallet or divide the y into age ranges ?

ggsave('Arrests1.png', width = 10, height = 6)
```

Add a new chunk by clicking the *Insert Chunk* button on the toolbar or by pressing *Ctrl+Alt+I*.

When you save the notebook, an HTML file containing the code and output will be saved alongside it (click the *Preview* button or press *Ctrl+Shift+K* to preview the HTML file).

The preview shows you a rendered HTML copy of the contents of the editor. Consequently, unlike *Knit*, *Preview* does not run any R code chunks. Instead, the output of the chunk when it was last run in the editor is displayed.