Diamonds

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Diamonds: Max Price Per Cut

Setting Up the Enviroment

notes: loading the dataset “diamonds” and the library “tidyverse”

```
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
```

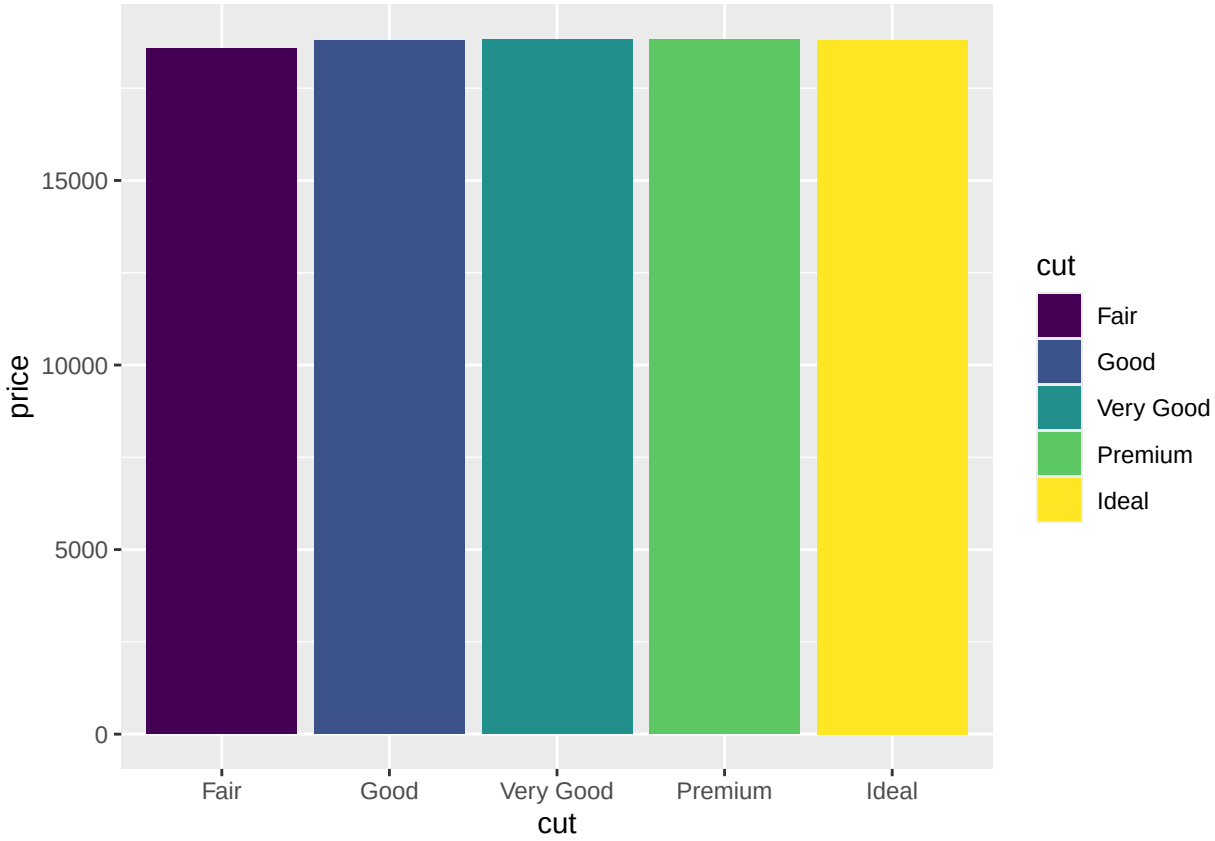
```
data("diamonds")
view(diamonds)
```

Then I found the Max Price per cut using the aggragate function.

```
max_price_per_cut <- aggregate(price ~ cut, data = diamonds, max)
```

Then I presented the results in a bar chart format using colour as a visualisation to make the values more clear

```
ggplot(data = max_price_per_cut) + geom_col(mapping = aes(x = cut, y = price, fill = cut))
```



As shown in the visualisation all the max prices are the same bar the fair cut