

Report diamonds data analysis

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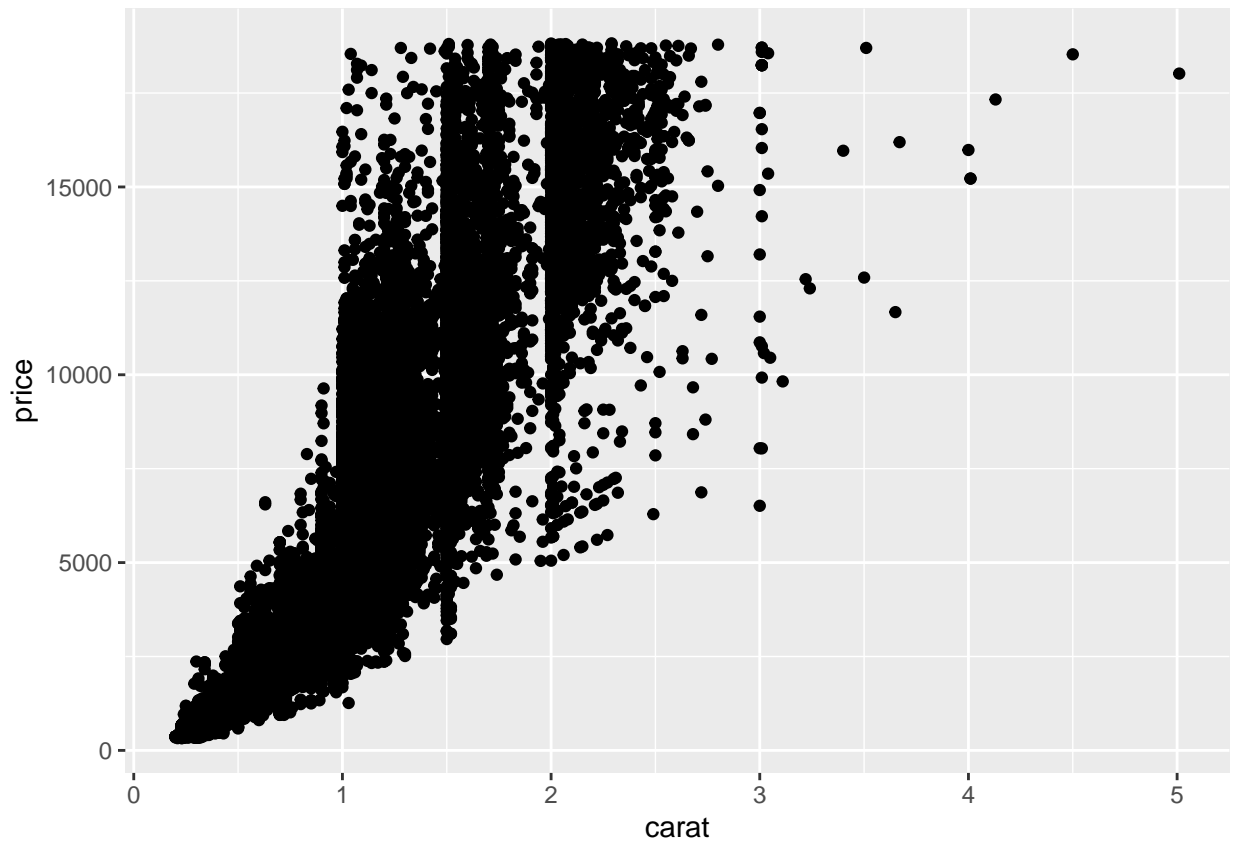
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Here we are doing the data analysis of diamond dataset.

```
library(ggplot2)
head(diamonds, n = 10)
```

```
## # A tibble: 10 x 10
##   carat cut      color clarity depth table price      x      y      z
##   <dbl> <ord>    <ord> <ord>    <dbl> <dbl> <int> <dbl> <dbl> <dbl>
## 1  0.23 Ideal      E      SI2     61.5    55   326   3.95   3.98   2.43
## 2  0.21 Premium    E      SI1     59.8    61   326   3.89   3.84   2.31
## 3  0.23 Good       E      VS1     56.9    65   327   4.05   4.07   2.31
## 4  0.29 Premium    I      VS2     62.4    58   334   4.2    4.23   2.63
## 5  0.31 Good       J      SI2     63.3    58   335   4.34   4.35   2.75
## 6  0.24 Very Good J      VVS2     62.8    57   336   3.94   3.96   2.48
## 7  0.24 Very Good I      VVS1     62.3    57   336   3.95   3.98   2.47
## 8  0.26 Very Good H      SI1     61.9    55   337   4.07   4.11   2.53
## 9  0.22 Fair       E      VS2     65.1    61   337   3.87   3.78   2.49
## 10 0.23 Very Good H      VS1     59.4    61   338   4      4.05   2.39
```

```
n = nrow(diamonds)
qplot(carat, price, data = diamonds)
```



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:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   : 2.00
## 1st Qu.:12.0    1st Qu.: 26.00
## Median :15.0    Median : 36.00
## Mean   :15.4    Mean   : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
## Max.   :25.0    Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.