

Course Project—Shiny Application

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Diamond Analysis report

- Diamonds Data Analysis report by using Data Product Shiny Application with R markdown. Using left and right key for all slides.

Application Project overview:

- Diamonds properties can be analysis using several Parameters
- Carat, price, sample size, color Depth are some of the common parameters.
- This Report enables to pick the right parameters for the best Diamond Selection.

Complete Reporting Application

Click the link below for Shiny Application:

<http://127.0.0.1:3636/> (<http://127.0.0.1:3636/>)

Click the link for R presentation.

https://rpubs.com/Shivangi_Mehta/827583 (https://rpubs.com/Shivangi_Mehta/827583)

Click the link below project files:

<https://github.com/Shivangimeht/Shiny-Application-and-Reproducible.git> (<https://github.com/Shivangimeht/Shiny-Application-and-Reproducible.git>)

Data Set

The data used for this project is the Diamonds data which is the part of ggplot2 package. Containing information about 5390 diamonds with 10 variables.

```
library(ggplot2)
head(diamonds)
```

```
## # A tibble: 6 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
```