

Course Project: Shiny Application and Reproducible Pitch

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Diamond Analysis Report

Diamond Data Analysis Report enabled developing data products using shiny apps being embeded within RMarkdown.

Using PageUp and PageDown keys all the slides can be traversed.

Application Overview

- Diamonds Properties can be analysed 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.

Slide with Complete Reporting Appliaction

Click the Below Link for the Application.

<https://bkarmay.shinyapps.io/PricePredictorForDiamonds/>

Click the link below for compiled project files on gitub repo.

<https://github.com/BenKarmay/Peer-graded-Assignment-Course-Project-Shiny-Application-and-Reproducible-Pitch>

Data Used

The data used for this application is diamonds data set, which is part of ggplot2 package. Containing information about 53940 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 0.290 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
```