14/12/2024

## 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.

## 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 0.29 Premium I VS2 62.4 58 334 4.20 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