Iris Statistics

Rakha Hafish Setiawan

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	× 2 ount int> 50 50 50		
Data summary			
Name	iris		
Number of rows	150		
Number of columns	5		

Column type frequency:

factor 1 numeric 4

Group variables None

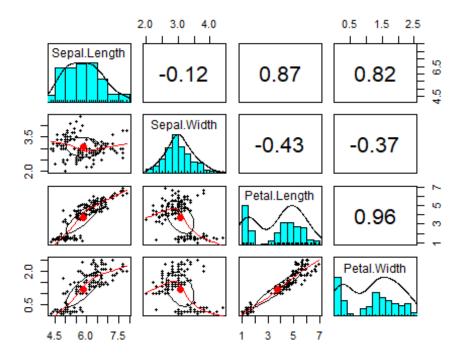
Variable type: factor

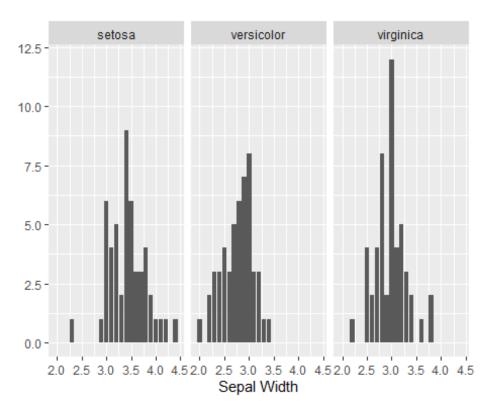
skim_variable	n_missing	complete_rate	ordered	n_unique	top_counts
Species	0	1	FALSE	3	set: 50, ver: 50, vir: 50

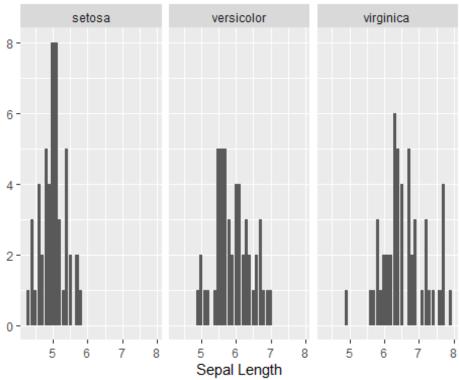
Variable type: numeric

skim_variabl e	n_missin g	complete_rat e	mea n	sd	p0	p2 5	p50	p7 5	p10 0	hist
Sepal.Length	0	1	5.84	0.8	4. 3	5.1	5.8 0	6.4	7.9	
Sepal.Width	0	1	3.06	0.4 4	2. 0	2.8	3.0	3.3	4.4	_ ==
Petal.Length	0	1	3.76	1.7 7	1. 0	1.6	4.3 5	5.1	6.9	
Petal.Width	0	1	1.20	0.7 6	0. 1	0.3	1.3 0	1.8	2.5	I_II.

```
##
                vars
                       n mean sd median trimmed mad min max range skew
## Sepal.Length
                                     5.80
                                             5.81 1.04 4.3 7.9
                   1 150 5.84 0.83
                                                                  3.6 0.31
## Sepal.Width
                   2 150 3.06 0.44
                                     3.00
                                             3.04 0.44 2.0 4.4
                                                                  2.4 0.31
## Petal.Length
                                     4.35
                                             3.76 1.85 1.0 6.9
                                                                  5.9 -0.27
                   3 150 3.76 1.77
## Petal.Width
                   4 150 1.20 0.76
                                     1.30
                                             1.18 1.04 0.1 2.5
                                                                 2.4 -0.10
## Species*
                   5 150 2.00 0.82
                                     2.00
                                             2.00 1.48 1.0 3.0
                                                                  2.0 0.00
##
                kurtosis
                           se
## Sepal.Length
                   -0.61 0.07
## Sepal.Width
                    0.14 0.04
## Petal.Length
                   -1.42 0.14
## Petal.Width
                   -1.36 0.06
## Species*
                   -1.52 0.07
pairs.panels(iris[1:4])
```



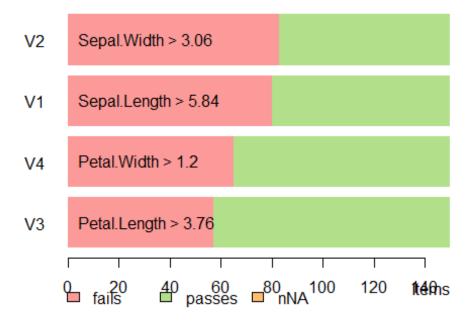




VAL <- validator(
 Sepal.Length > 5.84,
 Sepal.Width > 3.06,

```
Petal.Length > 3.76,
  Petal.Width > 1.20
## Object of class 'validation'
## Call:
       confront(dat = iris, x = VAL)
##
##
## Rules confronted: 4
##
      With fails
##
      With missings: 0
##
      Threw warning: 0
##
      Threw error : 0
## Warning: The 'barplot' method for confrontation objects is deprecated. Use
## 'plot' instead
```

confront(dat = iris, x = VAL)



```
summary(lm(Sepal.Width~Sepal.Length, data = iris))
##
## Call:
## lm(formula = Sepal.Width ~ Sepal.Length, data = iris)
##
## Residuals:
## Min    1Q Median    3Q Max
## -1.1095 -0.2454 -0.0167    0.2763    1.3338
##
```

```
## Coefficients:

## Estimate Std. Error t value Pr(>|t|)

## (Intercept) 3.41895 0.25356 13.48 <2e-16 ***

## Sepal.Length -0.06188 0.04297 -1.44 0.152

## ---

## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

##

## Residual standard error: 0.4343 on 148 degrees of freedom

## Multiple R-squared: 0.01382, Adjusted R-squared: 0.007159

## F-statistic: 2.074 on 1 and 148 DF, p-value: 0.1519
```