Split Ratio () and lm ()

Generally, though The data that you want to work with is given in tables, they are not organized in the way you intend to work on them. Thefunction **split ()**allows you to classify the data, typically given as a vector, or as a data frame.

Splitting ratio:
- `if (0<= splitratio <1) <code ="">` then SplitRatio fraction of points from Y will be set to True

- `if (SplitRatio ==1)` then one random point from Y will be set to True

- `if ( SplitRatio>1)` then SplitRatio number of points from Y will be set to True

lm ()
Used to fit linear models can be used to perform regression, single-stratum analysis of variance and covariance analysis.
Models for lm are specified symbolically.

`lm` returns an object of `class "lm"` or for multiple responses of class `c ("mlm", "lm")`.
An object of class `"lm"` is a list containing at least the following components:
- coefficients
  a named vector of coefficients
- residual rights copyrights
  the residuals, that is, the answer minus the fitted values.
- fitted values the adjusted
  mean values
- range
  The numerical range of the fitted linear model.
- weights
  (for weighted adjustments only) the specified weights.
- df.residual
  The residual degrees of freedom.
- call
  the matching call
- conditions
  The terms object used.

- contrasts

  (only where relevant) the contrasts used.
- xlevels

  (only where relevant) a record of the levels of the factors used in the adjustment.
- offset

  offset used (missing if none were used).
- and

  if requested, the response used.
- X

  if requested, the model matrix used.
- model

  if requested (the default), the frame of the model used.
- na.action

  (where applicable) information returned by model.frame about special handling of NAs.

In addition, nonzero adjustments will have assigned components, effects, and (unless requested) qr related to linear adjustment, for use by extractor functions such as summary and effects .

1. RDocumentation. (sf). sample.split function | R Documentation. Retrieved May 29, 2020, from https://www.rdocumentation.org/packages/caTools/versions/1.17.1/topics/sample.split
2. RDocumentation. (sf-a). lm function | R Documentation. Retrieved May 29, 2020, from https://www.rdocumentation.org/packages/stats/versions/3.6.2/topics/lm