

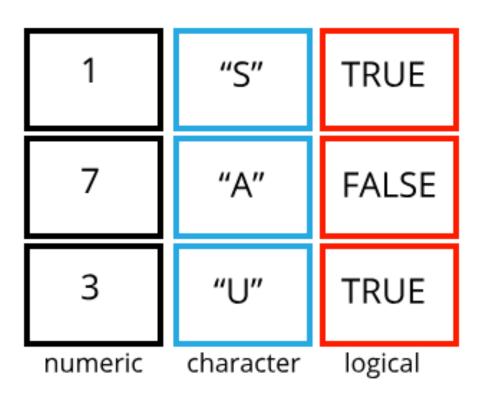
16SrRNA Intermediate Bioinformatics Online Course: Int_BT_2019

Introduction to R: importing data, data frames





Intro to R: what is a data frame?



- A list of vectors of equal length
- Clinical data: sample = rows and variables of interest = columns
- Functions to examine data frames
 - str()
 - head()
 - dim()
 - rownames() colnames()



Working with data frames

- Load external data from a .csv file into a data frame
 - read.csv() read.table()
- Subsetting
 - [rows, columns] 'comma-first-for-columns' [,1]
 - Select a range: [,1:10]
 - Exclusion: [,-1]
 - Many ways to select a column: e.g. surveys[,2] ==
 surveys[,"month"] == surveys\$month



R factors, data types, data frames

course material

R data types useful links

 R data types and structures: additional hands on