

Session 5

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Data

Management using R

Assignment

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# Introduction

This assignment will help you to understand the key concepts learnt in this session.

# Objective

This assignment will test your skills on Data Management Functions in R.

# Prerequisites

Not Applicable

# Associated Data Files

Not Applicable

# Problem Statement

1. Obtain the elements of the union between two character vectors.

vec1 = c(rownames(mtcars[1:15,])) vec2 = c(rownames(mtcars[10:32,]))

ans- vec12<-union(vec1, vec2)

vec12

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1. Get those elements that are common to both vectors.

vec1 = c(rownames(mtcars[1:15,])) vec2 = c(rownames(mtcars[10:32,]))

ans-commonvec12<-vec1%in%vec2 #gives position of common elements vec1=[commonvec12] #gives elements

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3.Get the difference of the elements between two character vectors.

vec1 = c(rownames(mtcars[1:15,])) vec2 = c(rownames(mtcars[10:32,]))

ans- vec1[!vec1%in%vec2]# elements of vec1 which are not present in vec2 vec2[!vec2%in%vec1]# elements of vec2 which are not present in vec1 union(vec1[!vec1%in%vec2],vec2[!vec2%in%vec1])#elements which are not common in vec1 and vec2

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1. Test the quality of two character vectors.

vec1 = c(rownames(mtcars[1:15,])) vec2 = c(rownames(mtcars[11:25,]))

ans- vec1 = c(rownames(mtcars[1:15,])) vec2 = c(rownames(mtcars[11:25,]))

is.element(vec1,vec2) identical(vec1,vec2) setequal(vec1,vec2) vec1 %in% vec2

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# Expected Output

Not Applicable