

Session 5 – Data

Management using R

Assignment - 2



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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) # returns all the elements of vec1 and vec2 without repeating common elements**

**vec12**

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**

1. 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,]))

**Expected Output**



Not Applicable

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