Assignment 4.1

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Batch : DA with R , Excel and Tableau

df1 = data.frame(CustId = c(1:6), Product = c(rep("TV", 3), rep("Radio", 3)))

df2 = data.frame(CustId = c(2, 4, 6), State = c(rep("Texas", 2), rep("NYC", 1)))

df1 #left table

df2 #right table

For the above given data frames and tables perform the following operations:

1. Return only the rows in which the left table have match

2. Return all rows from both tables, join records from the left which have matching keys in the right table

> df1 = data.frame(CustId = c(1:6), Product = c(rep("TV", 3), rep("Radio", 3)))

> df1

CustId Product

1 1 TV

2 2 TV

3 3 TV

4 4 Radio

5 5 Radio

6 6 Radio

> df2 = data.frame(CustId = c(2, 4, 6), State = c(rep("Texas", 2), rep("NYC", 1)))

> df2

CustId State

1 2 Texas

2 4 Texas

3 6 NYC

1. Return only the rows in which the left table have match

> df<-merge(x=df1,y=df2,by="CustId")

> df

CustId Product State

1 2 TV Texas

2 4 Radio Texas

3 6 Radio NYC

2. Return all rows from both tables, join records from the left which have matching keys in the right table

> df<-merge(x=df1,y=df2,by="CustId",all=TRUE)

> df

CustId Product State

1 1 TV <NA>

2 2 TV Texas

3 3 TV <NA>

4 4 Radio Texas

5 5 Radio <NA>

6 6 Radio NYC