

1. Problem Statement

1.

```
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
```

NOT Discussed in the Class

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

- Return only the rows in which the left table have match.
- Returns all rows from both tables, join records from the left which have matching keys in the right table.
- Return all rows from the left table, and any rows with matching keys from the right table.
- Return all rows from the right table, and any rows with matching keys from the left table.

2. Perform the below operations on above given data frames and tables:

NOT Discussed in the Class

- Return a long format of the datasets without matching key.
- Keep only observations in df1 that match in df2.
- Drop all observations in df1 that match in df2.