Name - Rohit Katigal Student ID - 21711071 Sec - A

① <!Doctype html>
<html>
<head>
<title> Display data in table format </title>
</head>
<body>
<? php
$con = mysql_connect("localhost", "root", "");
if (!$con)
{ die ("not connected". mysql_error());
}
echo "Connection open". "
";
$sidb = mysql_select_db ("cust", $con);
if (!$sldb)
{ die ("not found". mysql_error());
}
echo "Database selected". "
";
$query = "select * from customer";
$sql = mysql_query ($query);
echo "<table border = '1'>
<tr>
<th> C_No </th>
<th> C_Name </th>
<th> Item_Purchased </th>
<th> Mob_no </th>
</tr>";

```
while ($row = mysql_fetch_array ($sql))
  {
    echo "<tr>";
    echo "<td>". $row['c_no']. "</td>";
    echo "<td>". $row['c_name']. "</td>";
    echo "<td>". $row['item_purchased'] . </td>";
    echo "<td>". $row['mob_no']. "</td>";
    echo "</tr>" ;
     }
    echo "</table >";
    ?>
  </body>
  </html>
```

Connected Successfully.
Database selected

C_No	C_Name	Item_Purchased	Mob_no
101	Aditya Sharma	Laptop	956804878
102	Deepika Gupta	Washing Machine	756894323

Activate Windows
Go to Settings to activate Windows.

Type here to search
28°C
9:52 AM
3/15/2022

②

```
<!Doctype html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js">
</script>
<script>
$(document).ready(function(){
        $("#hide").click(function()
        {
          $("p").hide();
        });
    $("#show").click(function(){
          $("p").show();
        });
    </script>
    </head>
    <body>

    <p>Click on the "Hide" button, I will disappear.</p>
    <button id="hide">Hide</button>
    <button id="show">Show</button>

    </body>
    </html>
```

If you click on the "Hide" button, I will disappear.

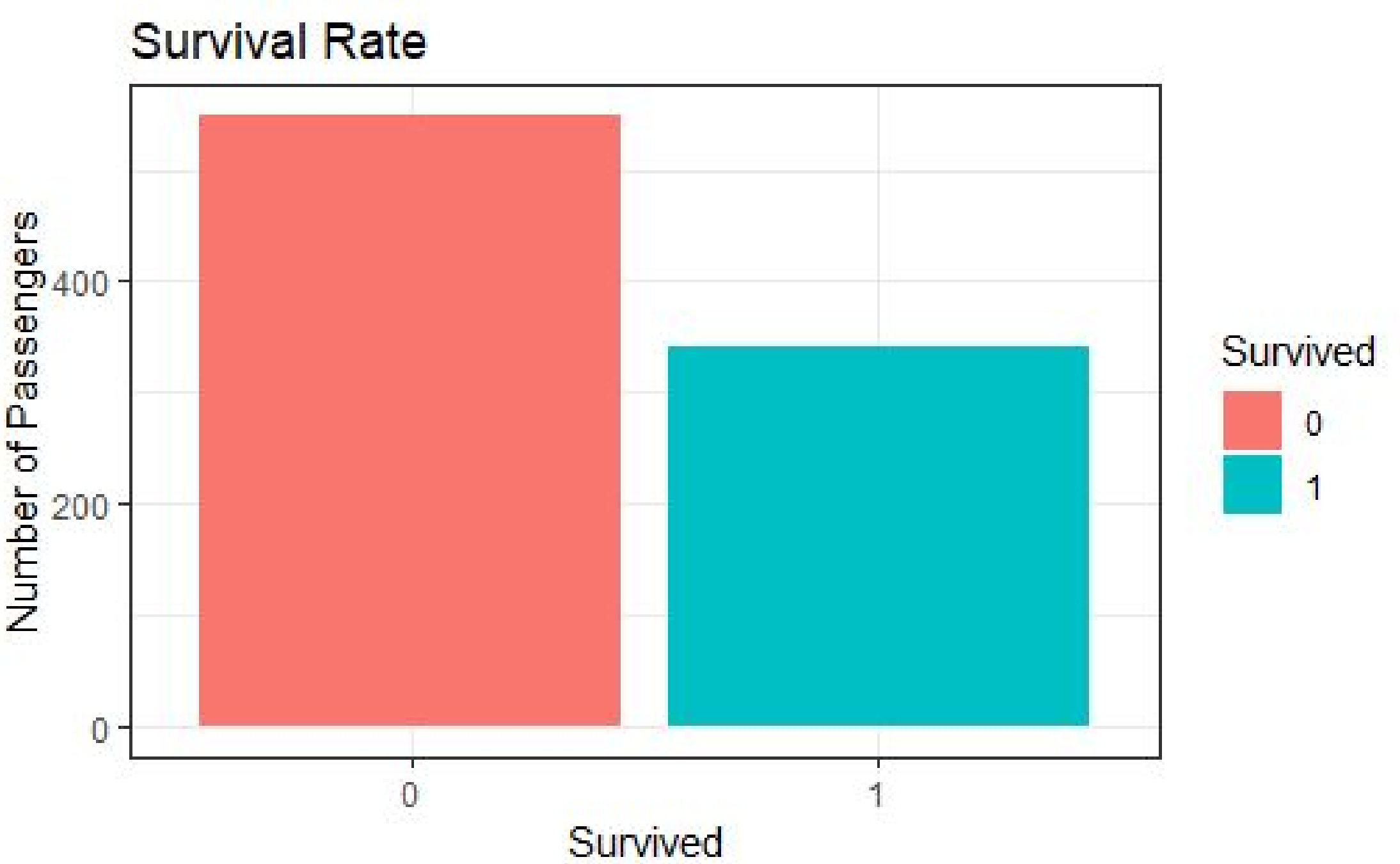
Hide Show

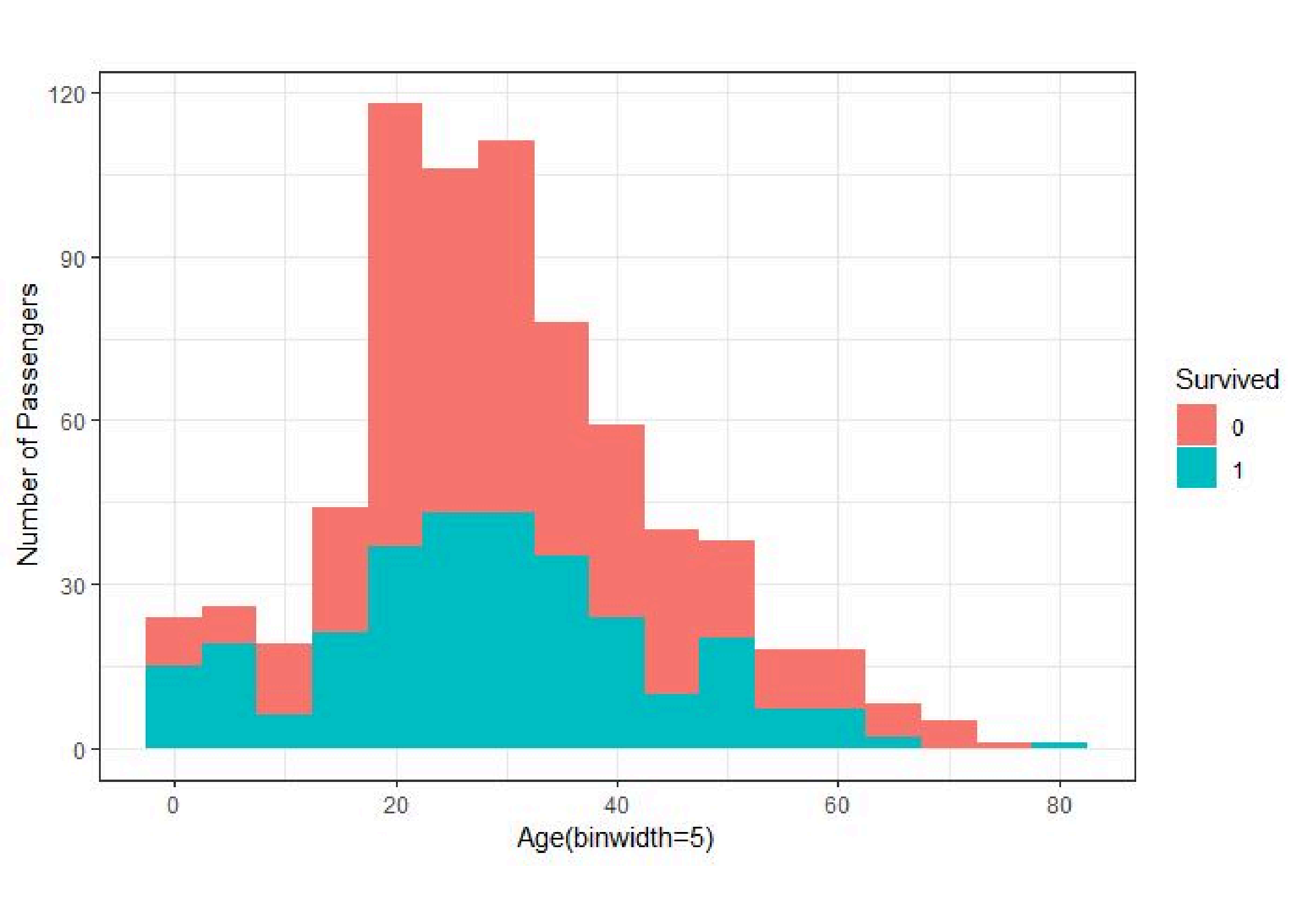
(3) using The Titanic data set, as it comes built-in R in the Titanic package.

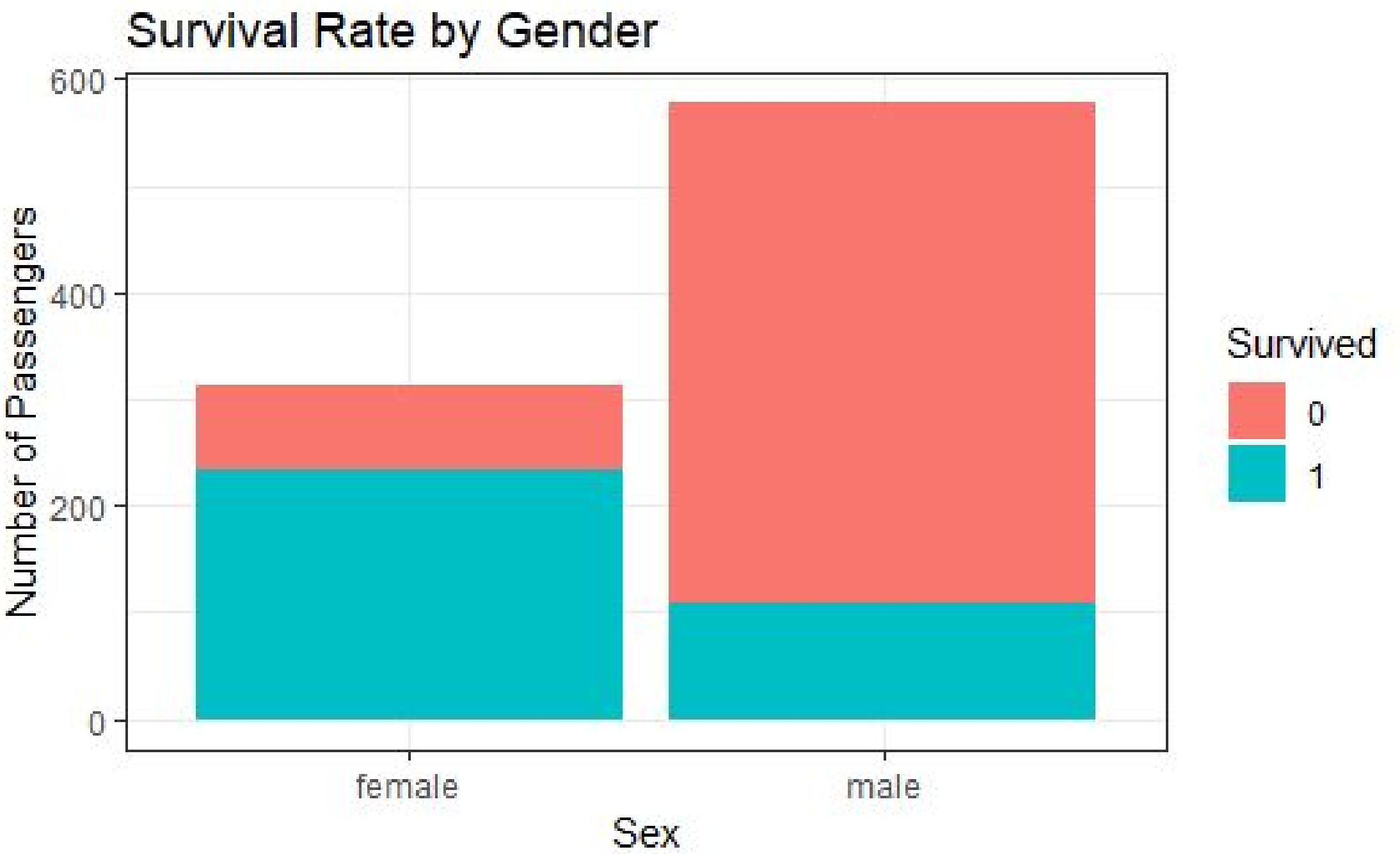
⇒

```
> titanic <- read.csv("C:/Users/Desktop/titanic.csv", header = True, sep = "")
> View(titanic)
> head(titanic, 10)
> tail(titanic)
> names(titanic)
> summary(titanic)
> ggplot(titanic, aes(x = Survived)) + geom_bar()
> ggplot(titanic, aes(x = Sex, fill = Survived)) + theme_bw() + geom_bar() +
    labs(y = "Number of Passengers", title = "Survival Rate by
    Gender")
> ggplot(titanic, aes(x = Age, fill = survived)) + theme_bw() + geom_histogram
    (binwidth = 5) + labs(y = "Number of Passenger", x = "Age")
```

```
  PassengerId       Survived          Pclass                                          Name          Sex            Age            SibSp      
 Min.   :  1.0   Min.   :0.0000   Min.   :1.000   Abbing, Mr. Anthony                  :  1   female:314   Min.   : 0.42   Min.   :0.000  
 1st Qu.:223.5   1st Qu.:0.0000   1st Qu.:2.000   Abbott, Mr. Rossmore Edward          :  1   male  :577   1st Qu.:20.12   1st Qu.:0.000  
 Median :446.0   Median :0.0000   Median :3.000   Abbott, Mrs. Stanton (Rosa Hunt)     :  1                Median :28.00   Median :0.000  
 Mean   :446.0   Mean   :0.3838   Mean   :2.309   Abelson, Mr. Samuel                  :  1                Mean   :29.70   Mean   :0.523  
 3rd Qu.:668.5   3rd Qu.:1.0000   3rd Qu.:3.000   Abelson, Mrs. Samuel (Hannah Wizosky):  1                3rd Qu.:38.00   3rd Qu.:1.000  
 Max.   :891.0   Max.   :1.0000   Max.   :3.000   Adahl, Mr. Mauritz Nils Martin       :  1                Max.   :80.00   Max.   :8.000  
                                                  (Other)                              :885                NA's   :177                   
     Parch            Ticket          Fare                Cabin       Embarked
 Min.   :0.0000   1601    :  7   Min.   :  0.00              :687      :  2   
 1st Qu.:0.0000   347082  :  7   1st Qu.:  7.91   B96 B98    :  4   C:168   
 Median :0.0000   CA. 2343:  7   Median : 14.45   C23 C25 C27:  4   Q: 77   
 Mean   :0.3816   3101295 :  6   Mean   : 32.20   G6         :  4   S:644   
 3rd Qu.:0.0000   347088  :  6   3rd Qu.: 31.00   C22 C26    :  3           
 Max.   :6.0000   CA 2144 :  6   Max.   :512.33   D          :  3           
                  (Other) :852                    (Other)    :186           
```


Survival Rate
Number of Passengers
400
200
0
0
1
Survived
Survived
0
1


120
90
60
30
0
Number of Passengers
0
20
40
60
80
Age(binwidth=5)
Survived
0
1


Survival Rate by Gender
600
400
200
0
Number of Passengers
female
male
Sex
Survived
0
1

④ Descriptive statistics focus on describing the visible characteristics of a dataset (a population or sample).

Ex: like in above dataset we calculated the summary statistics & produce a graph.

⇒ ggplot(titanic, aes(x = Sex, fill = Survived)) + theme_bw() + geom_bar() + labs(y = "Number of Passengers", title = "Survival Rate by Gender")

Inferential Statistics takes data from a sample & make inference about the larger population from which the sample was drawn.

Ex: like from above dataset, we select random no. of people & found how many of them survived, while the other not. Based on this we can plot a graph.