```
---
title: "Assignment 2 _  Ishang Pahwa"
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date: "2024-06-16"
output: html_document
---
```

````
```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = TRUE)
```
````

This data set provides information on the fate of passengers on the fatal maiden voyage of the ocean liner 'Titanic', summarized according to economic status (class), sex, age and survival.

````
```{r lib , include=FALSE}
library(tidyverse)
library(knitr)
library(bslib)
library(dplyr)
```
````

Section 1
````
```{r Titanic}
Titanic<-as.data.frame(Titanic)
head(Titanic,4)
```
````

Section 2

````
```{r clean}
Titanic%>%
  rename(Gender=Sex)%>%
  filter(Survived == "Yes")%>%
  arrange(Gender)

```
````
Section 3

This dataframe has `r nrow(Titanic)` and `r ncol(Titanic)`. The names of the columns and a brief description of each are in the table below:

````
```{r}
Description<-data.frame(Names = c("Gender","Class"),
                        Description = c("Male/Female","Coach Class of Passenger"))
Description
```
````
Section 4

````
```{r}
Titanicsubset<- Titanic %>%
  select(Age, Class, Freq)

```
````

````
```{r sum, include=TRUE}
SummaryTable<-summary(Titanicsubset)
SummaryTable

```
````