## Lab. assignment 2

2024-10-23

## Exercise 1

1) Describe data

Assume that is a random sample.

- 2) What about the gender pay gap?
- 3) Is there any relationship between the rank and the salary?
- 4) Is there any relationship between the salary and the years of service?

## Exercise 2

```
?TitanicSurvival

str(TitanicSurvival)

## 'data.frame': 1309 obs. of 4 variables:

## $ survived : Factor w/ 2 levels "no", "yes": 2 2 1 1 1 2 2 1 2 1 ...

## $ sex : Factor w/ 2 levels "female", "male": 1 2 1 2 1 2 1 2 1 2 ...

## $ age : num 29 0.917 2 30 25 ...

## $ passengerClass: Factor w/ 3 levels "1st", "2nd", "3rd": 1 1 1 1 1 1 1 1 1
...
```

- 1) Describe data
- 2) Is there independence between the Survived and the Class?
- 3) What is the direction of the association in the cells?