

02441 Applied Statistics and Statistical Software

Exercise 1B - Bodyfat

The dataset bodyfat contains measurements of bodyfat for a number of men and women

Variable name	Description
gender	gender (male/femal)
fatpct	Measurement of fat percentage

1. Can the data in each group (gender) be assumed to be normally distributed

Start by loading the data (make sure datafile is present in working directory)

```
# Put code here
```

Use both visual aids as well as normality tests to check the normality of fat-percentages on each gender.

```
# Put code here
```

2. Is there a difference in the percentage of body fat for men and women? Perform a t-test

```
# Put code here
```

3. Is there a difference in the percentage of body fat for men and women? Perform a non-parametric test

```
# Put code here
```