## Week 01 solutions

#### 2023-02-08

#### 1. Fish oil.

```
fish_diet <- c(9, 12, 10, 14, 2, 0, 0)
norm_diet <- c(-6, 0, 1, 2, -3, -4, 2)
delta <- fish_diet - norm_diet
t.test(delta)
```

```
##
## One Sample t-test
##
## data: delta
## t = 3.5404, df = 6, p-value = 0.01221
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
## 2.426779 13.287507
## sample estimates:
## mean of x
## 7.857143
```

The p-value is very low (0.01221), which tells us that the probability that random chance lead to the observation is very low.

### 2. Solar radiation

# Skin cancer rates per year

