Homework2

1.There is an excel file called homework2. There is data in sheet 1 which is exactly repeated in sheet 2 along with instructions on what to do

2. there is an excel file called t\_test\_data7 . I don’t remember what this data represents. However use the data to do a 2-sample t test with alpha=0.05. (2-sided)

3.You believe that the average cat weighs 7 kl. I believe it weighs more, The standard deviation is known to be = 1.0 kl. How many samples are needed in order to test the hypothesis with α=0.05 and β (Type 2 error)=0.1 if the true mean is 7.5 kl.

Beta = the probability that we would accept the null hypothesis even if the alternative hypothesis is actually true.