STATISTICS 2
WS 2017 (Mag. Thomas Forstner)

Course-Number: 366.554

16) Verify with an appropriate test if the sample data below is normally distributed with $\mu = 3$ and $\sigma^2 = 4$ (type I error = 5%)

sample data: 4 , 3 , 5 , 7, 6

17) Verify with an appropriate test if the sample data below is normally distributed (type I error =5%)

sample data: 4 , 3 , 5 , 7, 6

18) Someone is interested, whether there is a statistically significant difference between the delivery time of Chinese Food to his home from Company A and Company B.

The table below presents the time in minutes for a sample of deliveries:

Company A – time [min]: 11 37 32 27 29 29 27 31 14
Company B – time [min]: 52 38 51 48 49 52 28 17 16

Construct an appropriate test for verifying, if there is a difference between the delivery time of the two companies (type I error = 5%).