Estimation with confidence intervals

Task.1. Researchers estimated the living area in Poznań in 2003. They selected randomly 70 flats. The results are shown in the table. Form a 95% confidence interval which covers the value of the average living area in Poznań in 2003.

Living area (m^2)						
55	23	20	23	50	40	35
56	89	25	45	69	50	45
78	120	45	67	80	55	55
54	23	67	12	44	45	65
53	45	89	21	34	65	75
52	67	23	20	22	56	85
78	84	12	30	45	45	80
89	45	13	40	67	45	20
45	67	45	40	23	44	30
32	23	67	40	21	34	35

Task.2. In the file Characteristics.sta there is a variable „Height". Form 95% confidence interval for the mean.

Task 3. In the file Characteristics.sta there is a variable „Height". Form 99% confidence interval for the standard deviation.

Task 4. In the file Characteristics.sta there is a variable „Weight". Form 99% confidence interval for the mean.

Task 5. In the file Characteristics.sta there is a variable „Weight". Form 90% confidence interval for the standard deviation.

Task.6. In the file Characteristics.sta there is a variable „Eye Color". Form 90% confidence interval for the people with blue eyes.

Task 7. In the file Characteristics.sta there is a variable „Eye Color". Form 95% confidence interval for the people with green eyes.