Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

REPORT

Laboratory Work N1

*Aim of Work:*

1. *To learn skills of work with «R».*
2. *To determine sample characteristics.*

*Results:*

1. Graphs

*Line plot*

*Histogram*

*Empirical distribution function*

*CONCLUSIONS:*

1. Descriptive statistics

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Value | Parameters | Value |
| Mean |  | Skewness |  |
| Median |  | Kurtosis |  |
| Standard deviation |  | Standard error of skewness |  |
| Variance |  | Standard error of kurtosis |  |
| Minimum |  | 90% confidence limits for means |  |
| Maximum |  | 95% confidence limits for means |  |
| 99% confidence limits for means |  |

*\* round to 2 decimal places*

*CONCLUSIONS:*

1. Quantile calculation

*Distribution:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| The 0.9th quantile value |  |
| The 0.95th quantile value |  |
| The probability that a random variable will take a value not greater than 1.5 |  |
| The probability that a random variable will take a value greater than 2 |  |