

INDEPENDENT WORK. Variant №1

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 16 | 14 | 11 | 15 | 11 | 14 | 11 | 17 | 16 | 17 |
| 13 | 16 | 15 | 12 | 13 | 11 | 11 | 17 | 11 | 11 |
| 13 | 16 | 16 | 15 | 12 | 12 | 12 | 12 | 13 | 15 |
| 11 | 12 | 15 | 11 | 14 | 12 | 12 | 17 | 17 | 15 |
| 16 | 11 | 12 | 11 | 13 | 11 | 15 | 12 | 16 | 12 |

INDEPENDENT WORK. Variant №2

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 12 | 16 | 16 | 15 | 13 | 13 | 13 | 17 | 14 |
| 12 | 13 | 13 | 14 | 13 | 11 | 15 | 12 | 13 | 14 |
| 11 | 15 | 12 | 15 | 16 | 17 | 17 | 16 | 17 | 13 |
| 14 | 11 | 11 | 15 | 11 | 17 | 13 | 15 | 11 | 15 |
| 14 | 12 | 11 | 17 | 14 | 16 | 16 | 11 | 17 | 14 |

INDEPENDENT WORK. Variant №3

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 14 | 12 | 12 | 15 | 11 | 12 | 13 | 16 | 13 |
| 16 | 12 | 11 | 14 | 16 | 13 | 14 | 13 | 16 | 11 |
| 15 | 12 | 12 | 14 | 17 | 16 | 12 | 13 | 13 | 13 |
| 16 | 17 | 12 | 15 | 16 | 14 | 12 | 13 | 13 | 15 |
| 16 | 16 | 15 | 15 | 17 | 11 | 16 | 15 | 15 | 15 |

INDEPENDENT WORK. Variant №4

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 17 | 11 | 15 | 14 | 11 | 11 | 12 | 15 | 17 |
| 11 | 11 | 12 | 12 | 12 | 14 | 12 | 11 | 12 | 13 |
| 17 | 17 | 14 | 11 | 15 | 17 | 11 | 12 | 12 | 11 |
| 12 | 12 | 17 | 13 | 14 | 17 | 15 | 13 | 15 | 13 |
| 11 | 11 | 12 | 13 | 17 | 14 | 11 | 17 | 13 | 11 |

INDEPENDENT WORK. Variant №5

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 16 | 15 | 14 | 15 | 16 | 13 | 14 | 14 | 12 |
| 17 | 14 | 16 | 12 | 13 | 17 | 15 | 15 | 12 | 11 |
| 15 | 13 | 16 | 16 | 11 | 17 | 13 | 16 | 16 | 15 |
| 16 | 13 | 14 | 13 | 14 | 12 | 14 | 14 | 13 | 12 |
| 16 | 13 | 17 | 16 | 14 | 17 | 14 | 15 | 17 | 15 |

INDEPENDENT WORK. Variant №6

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 13 | 12 | 17 | 14 | 14 | 14 | 12 | 13 | 13 | 11 |
| 12 | 15 | 13 | 13 | 14 | 13 | 12 | 16 | 11 | 13 |
| 11 | 15 | 17 | 11 | 17 | 12 | 12 | 12 | 17 | 17 |
| 16 | 15 | 12 | 16 | 15 | 15 | 11 | 14 | 15 | 12 |
| 11 | 11 | 17 | 15 | 15 | 16 | 13 | 14 | 13 | 17 |

INDEPENDENT WORK. Variant №7

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 17 | 17 | 12 | 17 | 17 | 16 | 13 | 14 | 15 | 13 |
| 13 | 15 | 15 | 17 | 13 | 13 | 17 | 12 | 17 | 17 |
| 17 | 13 | 11 | 11 | 14 | 12 | 14 | 12 | 13 | 14 |
| 16 | 12 | 17 | 13 | 13 | 12 | 16 | 15 | 16 | 13 |
| 15 | 17 | 15 | 16 | 15 | 13 | 15 | 13 | 12 | 15 |

INDEPENDENT WORK. Variant №8

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 11 | 16 | 11 | 11 | 13 | 13 | 14 | 16 | 17 | 14 |
| 17 | 16 | 17 | 15 | 11 | 16 | 11 | 17 | 11 | 17 |
| 14 | 14 | 17 | 11 | 15 | 14 | 16 | 14 | 14 | 13 |
| 17 | 15 | 13 | 16 | 17 | 14 | 14 | 17 | 17 | 14 |
| 12 | 15 | 17 | 11 | 14 | 16 | 13 | 15 | 17 | 15 |

INDEPENDENT WORK. Variant №9

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 11 | 12 | 16 | 15 | 12 | 11 | 16 | 14 | 14 |
| 15 | 17 | 11 | 14 | 13 | 11 | 13 | 13 | 15 | 13 |
| 14 | 11 | 17 | 11 | 11 | 17 | 16 | 11 | 17 | 17 |
| 14 | 16 | 14 | 13 | 14 | 16 | 16 | 15 | 14 | 12 |
| 14 | 11 | 12 | 13 | 17 | 13 | 16 | 11 | 12 | 11 |

INDEPENDENT WORK. Variant №10

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 12 | 17 | 13 | 13 | 13 | 12 | 15 | 13 | 15 |
| 17 | 14 | 16 | 17 | 17 | 16 | 17 | 12 | 12 | 11 |
| 16 | 13 | 17 | 11 | 14 | 16 | 12 | 13 | 16 | 12 |
| 11 | 12 | 11 | 13 | 16 | 14 | 11 | 17 | 17 | 17 |
| 15 | 13 | 14 | 14 | 17 | 11 | 11 | 15 | 13 | 13 |

INDEPENDENT WORK. Variant №11

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 12 | 11 | 15 | 12 | 17 | 17 | 13 | 17 | 17 |
| 13 | 15 | 16 | 17 | 17 | 15 | 15 | 17 | 11 | 17 |
| 15 | 14 | 11 | 13 | 13 | 16 | 15 | 11 | 16 | 16 |
| 12 | 15 | 13 | 12 | 14 | 13 | 17 | 17 | 13 | 14 |
| 17 | 16 | 13 | 13 | 16 | 17 | 17 | 15 | 12 | 17 |

INDEPENDENT WORK. Variant №12

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 11 | 17 | 11 | 16 | 15 | 11 | 17 | 14 | 16 |
| 12 | 13 | 17 | 16 | 14 | 11 | 13 | 11 | 15 | 12 |
| 13 | 17 | 13 | 17 | 12 | 16 | 12 | 17 | 16 | 12 |
| 16 | 13 | 15 | 12 | 13 | 12 | 12 | 16 | 11 | 16 |
| 11 | 15 | 12 | 14 | 12 | 17 | 15 | 15 | 15 | 11 |

INDEPENDENT WORK. Variant №13

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 11 | 11 | 11 | 16 | 13 | 17 | 14 | 14 | 16 | 14 |
| 15 | 14 | 13 | 13 | 17 | 14 | 14 | 16 | 14 | 15 |
| 11 | 14 | 14 | 17 | 15 | 17 | 16 | 11 | 12 | 15 |
| 11 | 12 | 16 | 12 | 15 | 16 | 14 | 11 | 16 | 16 |
| 13 | 11 | 15 | 16 | 17 | 15 | 11 | 12 | 15 | 11 |

INDEPENDENT WORK. Variant №14

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 13 | 11 | 13 | 13 | 15 | 13 | 12 | 17 | 15 | 15 |
| 11 | 16 | 15 | 15 | 15 | 17 | 17 | 15 | 17 | 16 |
| 11 | 16 | 12 | 13 | 13 | 13 | 16 | 14 | 17 | 14 |
| 17 | 17 | 12 | 11 | 17 | 12 | 13 | 14 | 16 | 14 |
| 13 | 17 | 11 | 14 | 16 | 11 | 11 | 15 | 15 | 14 |

INDEPENDENT WORK. Variant №15

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 11 | 12 | 13 | 14 | 13 | 17 | 14 | 16 | 11 |
| 11 | 15 | 12 | 13 | 13 | 11 | 14 | 11 | 16 | 14 |
| 16 | 14 | 13 | 13 | 17 | 16 | 13 | 13 | 15 | 16 |
| 17 | 16 | 13 | 16 | 14 | 13 | 13 | 13 | 17 | 17 |
| 16 | 11 | 12 | 14 | 13 | 16 | 15 | 17 | 12 | 16 |

INDEPENDENT WORK. Variant №16

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 16 | 13 | 12 | 11 | 14 | 14 | 17 | 15 | 16 | 11 |
| 14 | 16 | 16 | 12 | 15 | 16 | 17 | 13 | 14 | 17 |
| 17 | 15 | 12 | 17 | 16 | 12 | 13 | 11 | 15 | 13 |
| 14 | 11 | 15 | 15 | 11 | 12 | 13 | 16 | 13 | 12 |
| 15 | 17 | 11 | 16 | 12 | 16 | 13 | 15 | 13 | 11 |

INDEPENDENT WORK. Variant №17

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 13 | 16 | 11 | 15 | 15 | 11 | 17 | 17 | 17 | 12 |
| 13 | 14 | 16 | 13 | 13 | 14 | 14 | 12 | 14 | 12 |
| 13 | 15 | 17 | 12 | 12 | 14 | 17 | 12 | 14 | 16 |
| 17 | 13 | 11 | 16 | 12 | 13 | 17 | 17 | 12 | 13 |
| 14 | 11 | 14 | 12 | 16 | 16 | 12 | 17 | 12 | 13 |

INDEPENDENT WORK. Variant №18

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 16 | 12 | 12 | 14 | 17 | 14 | 13 | 14 | 14 | 11 |
| 13 | 13 | 14 | 15 | 11 | 14 | 16 | 11 | 16 | 16 |
| 15 | 14 | 17 | 17 | 17 | 12 | 13 | 14 | 16 | 11 |
| 11 | 16 | 12 | 14 | 11 | 11 | 15 | 16 | 12 | 15 |
| 15 | 12 | 16 | 13 | 15 | 16 | 16 | 11 | 14 | 16 |

INDEPENDENT WORK. Variant №19

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 17 | 12 | 12 | 16 | 13 | 17 | 16 | 17 | 11 | 14 |
| 12 | 14 | 12 | 16 | 11 | 13 | 11 | 13 | 11 | 17 |
| 15 | 16 | 13 | 17 | 12 | 12 | 15 | 17 | 14 | 16 |
| 15 | 17 | 16 | 16 | 15 | 13 | 11 | 14 | 16 | 11 |
| 14 | 12 | 17 | 13 | 12 | 17 | 14 | 12 | 11 | 17 |

INDEPENDENT WORK. Variant №20

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 15 | 14 | 16 | 13 | 14 | 17 | 13 | 13 | 15 |
| 12 | 15 | 15 | 14 | 15 | 14 | 11 | 11 | 11 | 16 |
| 17 | 14 | 13 | 13 | 12 | 17 | 11 | 15 | 11 | 16 |
| 17 | 16 | 14 | 15 | 14 | 13 | 14 | 16 | 11 | 14 |
| 15 | 12 | 11 | 17 | 15 | 17 | 17 | 17 | 14 | 12 |

INDEPENDENT WORK. Variant №21

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 16 | 14 | 11 | 15 | 11 | 14 | 11 | 17 | 16 | 17 |
| 13 | 16 | 15 | 12 | 13 | 11 | 11 | 17 | 11 | 11 |
| 13 | 16 | 16 | 15 | 12 | 12 | 12 | 12 | 13 | 15 |
| 11 | 12 | 15 | 11 | 14 | 12 | 12 | 17 | 17 | 15 |
| 16 | 11 | 12 | 11 | 13 | 11 | 15 | 12 | 16 | 12 |

INDEPENDENT WORK. Variant №22

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 12 | 16 | 16 | 15 | 13 | 13 | 13 | 17 | 14 |
| 12 | 13 | 13 | 14 | 13 | 11 | 15 | 12 | 13 | 14 |
| 11 | 15 | 12 | 15 | 16 | 17 | 17 | 16 | 17 | 13 |
| 14 | 11 | 11 | 15 | 11 | 17 | 13 | 15 | 11 | 15 |
| 14 | 12 | 11 | 17 | 14 | 16 | 16 | 11 | 17 | 14 |

INDEPENDENT WORK. Variant №23

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 14 | 12 | 12 | 15 | 11 | 12 | 13 | 16 | 13 |
| 16 | 12 | 11 | 14 | 16 | 13 | 14 | 13 | 16 | 11 |
| 15 | 12 | 12 | 14 | 17 | 16 | 12 | 13 | 13 | 13 |
| 16 | 17 | 12 | 15 | 16 | 14 | 12 | 13 | 13 | 15 |
| 16 | 16 | 15 | 15 | 17 | 11 | 16 | 15 | 15 | 15 |

INDEPENDENT WORK. Variant №24

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 17 | 11 | 15 | 14 | 11 | 11 | 12 | 15 | 17 |
| 11 | 11 | 12 | 12 | 12 | 14 | 12 | 11 | 12 | 13 |
| 17 | 17 | 14 | 11 | 15 | 17 | 11 | 12 | 12 | 11 |
| 12 | 12 | 17 | 13 | 14 | 17 | 15 | 13 | 15 | 13 |
| 11 | 11 | 12 | 13 | 17 | 14 | 11 | 17 | 13 | 11 |

INDEPENDENT WORK. Variant №25

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 16 | 15 | 14 | 15 | 16 | 13 | 14 | 14 | 12 |
| 17 | 14 | 16 | 12 | 13 | 17 | 15 | 15 | 12 | 11 |
| 15 | 13 | 16 | 16 | 11 | 17 | 13 | 16 | 16 | 15 |
| 16 | 13 | 14 | 13 | 14 | 12 | 14 | 14 | 13 | 12 |
| 16 | 13 | 17 | 16 | 14 | 17 | 14 | 15 | 17 | 15 |

INDEPENDENT WORK. Variant №26

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 13 | 12 | 17 | 14 | 14 | 14 | 12 | 13 | 13 | 11 |
| 12 | 15 | 13 | 13 | 14 | 13 | 12 | 16 | 11 | 13 |
| 11 | 15 | 17 | 11 | 17 | 12 | 12 | 12 | 17 | 17 |
| 16 | 15 | 12 | 16 | 15 | 15 | 11 | 14 | 15 | 12 |
| 11 | 11 | 17 | 15 | 15 | 16 | 13 | 14 | 13 | 17 |

INDEPENDENT WORK. Variant №27

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 17 | 17 | 12 | 17 | 17 | 16 | 13 | 14 | 15 | 13 |
| 13 | 15 | 15 | 17 | 13 | 13 | 17 | 12 | 17 | 17 |
| 17 | 13 | 11 | 11 | 14 | 12 | 14 | 12 | 13 | 14 |
| 16 | 12 | 17 | 13 | 13 | 12 | 16 | 15 | 16 | 13 |
| 15 | 17 | 15 | 16 | 15 | 13 | 15 | 13 | 12 | 15 |

INDEPENDENT WORK. Variant №28

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 11 | 16 | 11 | 11 | 13 | 13 | 14 | 16 | 17 | 14 |
| 17 | 16 | 17 | 15 | 11 | 16 | 11 | 17 | 11 | 17 |
| 14 | 14 | 17 | 11 | 15 | 14 | 16 | 14 | 14 | 13 |
| 17 | 15 | 13 | 16 | 17 | 14 | 14 | 17 | 17 | 14 |
| 12 | 15 | 17 | 11 | 14 | 16 | 13 | 15 | 17 | 15 |

INDEPENDENT WORK. Variant №29

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 11 | 12 | 16 | 15 | 12 | 11 | 16 | 14 | 14 |
| 15 | 17 | 11 | 14 | 13 | 11 | 13 | 13 | 15 | 13 |
| 14 | 11 | 17 | 11 | 11 | 17 | 16 | 11 | 17 | 17 |
| 14 | 16 | 14 | 13 | 14 | 16 | 16 | 15 | 14 | 12 |
| 14 | 11 | 12 | 13 | 17 | 13 | 16 | 11 | 12 | 11 |

INDEPENDENT WORK. Variant №30

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 12 | 17 | 13 | 13 | 13 | 12 | 15 | 13 | 15 |
| 17 | 14 | 16 | 17 | 17 | 16 | 17 | 12 | 12 | 11 |
| 16 | 13 | 17 | 11 | 14 | 16 | 12 | 13 | 16 | 12 |
| 11 | 12 | 11 | 13 | 16 | 14 | 11 | 17 | 17 | 17 |
| 15 | 13 | 14 | 14 | 17 | 11 | 11 | 15 | 13 | 13 |

INDEPENDENT WORK. Variant №31

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 12 | 12 | 11 | 15 | 12 | 17 | 17 | 13 | 17 | 17 |
| 13 | 15 | 16 | 17 | 17 | 15 | 15 | 17 | 11 | 17 |
| 15 | 14 | 11 | 13 | 13 | 16 | 15 | 11 | 16 | 16 |
| 12 | 15 | 13 | 12 | 14 | 13 | 17 | 17 | 13 | 14 |
| 17 | 16 | 13 | 13 | 16 | 17 | 17 | 15 | 12 | 17 |

INDEPENDENT WORK. Variant №32

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 14 | 11 | 17 | 11 | 16 | 15 | 11 | 17 | 14 | 16 |
| 12 | 13 | 17 | 16 | 14 | 11 | 13 | 11 | 15 | 12 |
| 13 | 17 | 13 | 17 | 12 | 16 | 12 | 17 | 16 | 12 |
| 16 | 13 | 15 | 12 | 13 | 12 | 12 | 16 | 11 | 16 |
| 11 | 15 | 12 | 14 | 12 | 17 | 15 | 15 | 15 | 11 |

INDEPENDENT WORK. Variant №33

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

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|----|----|----|----|----|----|----|----|----|----|
| 11 | 11 | 11 | 16 | 13 | 17 | 14 | 14 | 16 | 14 |
| 15 | 14 | 13 | 13 | 17 | 14 | 14 | 16 | 14 | 15 |
| 11 | 14 | 14 | 17 | 15 | 17 | 16 | 11 | 12 | 15 |
| 11 | 12 | 16 | 12 | 15 | 16 | 14 | 11 | 16 | 16 |
| 13 | 11 | 15 | 16 | 17 | 15 | 11 | 12 | 15 | 11 |

INDEPENDENT WORK. Variant №34

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 13 | 11 | 13 | 13 | 15 | 13 | 12 | 17 | 15 | 15 |
| 11 | 16 | 15 | 15 | 15 | 17 | 17 | 15 | 17 | 16 |
| 11 | 16 | 12 | 13 | 13 | 13 | 16 | 14 | 17 | 14 |
| 17 | 17 | 12 | 11 | 17 | 12 | 13 | 14 | 16 | 14 |
| 13 | 17 | 11 | 14 | 16 | 11 | 11 | 15 | 15 | 14 |

INDEPENDENT WORK. Variant №35

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 12 | 11 | 12 | 13 | 14 | 13 | 17 | 14 | 16 | 11 |
| 11 | 15 | 12 | 13 | 13 | 11 | 14 | 11 | 16 | 14 |
| 16 | 14 | 13 | 13 | 17 | 16 | 13 | 13 | 15 | 16 |
| 17 | 16 | 13 | 16 | 14 | 13 | 13 | 13 | 17 | 17 |
| 16 | 11 | 12 | 14 | 13 | 16 | 15 | 17 | 12 | 16 |

INDEPENDENT WORK. Variant №36

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 16 | 13 | 12 | 11 | 14 | 14 | 17 | 15 | 16 | 11 |
| 14 | 16 | 16 | 12 | 15 | 16 | 17 | 13 | 14 | 17 |
| 17 | 15 | 12 | 17 | 16 | 12 | 13 | 11 | 15 | 13 |
| 14 | 11 | 15 | 15 | 11 | 12 | 13 | 16 | 13 | 12 |
| 15 | 17 | 11 | 16 | 12 | 16 | 13 | 15 | 13 | 11 |

INDEPENDENT WORK. Variant №37

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 13 | 16 | 11 | 15 | 15 | 11 | 17 | 17 | 17 | 12 |
| 13 | 14 | 16 | 13 | 13 | 14 | 14 | 12 | 14 | 12 |
| 13 | 15 | 17 | 12 | 12 | 14 | 17 | 12 | 14 | 16 |
| 17 | 13 | 11 | 16 | 12 | 13 | 17 | 17 | 12 | 13 |
| 14 | 11 | 14 | 12 | 16 | 16 | 12 | 17 | 12 | 13 |

INDEPENDENT WORK. Variant №38

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 16 | 12 | 12 | 14 | 17 | 14 | 13 | 14 | 14 | 11 |
| 13 | 13 | 14 | 15 | 11 | 14 | 16 | 11 | 16 | 16 |
| 15 | 14 | 17 | 17 | 17 | 12 | 13 | 14 | 16 | 11 |
| 11 | 16 | 12 | 14 | 11 | 11 | 15 | 16 | 12 | 15 |
| 15 | 12 | 16 | 13 | 15 | 16 | 16 | 11 | 14 | 16 |

INDEPENDENT WORK. Variant №39

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 17 | 12 | 12 | 16 | 13 | 17 | 16 | 17 | 11 | 14 |
| 12 | 14 | 12 | 16 | 11 | 13 | 11 | 13 | 11 | 17 |
| 15 | 16 | 13 | 17 | 12 | 12 | 15 | 17 | 14 | 16 |
| 15 | 17 | 16 | 16 | 15 | 13 | 11 | 14 | 16 | 11 |
| 14 | 12 | 17 | 13 | 12 | 17 | 14 | 12 | 11 | 17 |

INDEPENDENT WORK. Variant №40

Task 1.

1. Construct the discrete statistical series.
2. Calculate the numerical characteristics (the mean, the variance, the root-mean-square deviation, the corrected root-mean-square deviation, the mode, the median, the range).
3. Plot the distribution polygon of relative frequencies, find the empirical function of distribution $F(x)$ and plot its graph.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 12 | 15 | 14 | 16 | 13 | 14 | 17 | 13 | 13 | 15 |
| 12 | 15 | 15 | 14 | 15 | 14 | 11 | 11 | 11 | 16 |
| 17 | 14 | 13 | 13 | 12 | 17 | 11 | 15 | 11 | 16 |
| 17 | 16 | 14 | 15 | 14 | 13 | 14 | 16 | 11 | 14 |
| 15 | 12 | 11 | 17 | 15 | 17 | 17 | 17 | 14 | 12 |