

Host

Host

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Standard Deviation

Standard Deviation
Import data

Standard deviation table

Standard deviation table
Key variables

Descriptives

[StandardDeviationData] D:\DATA ANALYSIS\A Basic Descriptive Statistics Guides
\Standard Deviation\SPSS_Output\sav\Standard-Deviation-data.sav

Descriptive Statistics

| | N | Minimum | Maximum | Mean | Std. Deviation | Variance |
|---------------------|-----|---------|---------|-------|----------------|----------|
| First period grade | 649 | 0 | 19 | 11.40 | 2.745 | 7.536 |
| Second period grade | 649 | 0 | 19 | 11.57 | 2.914 | 8.489 |
| Final grade | 649 | 0 | 19 | 11.91 | 3.231 | 10.437 |
| Student age | 649 | 15 | 22 | 16.74 | 1.218 | 1.484 |
| School absences | 649 | 0 | 32 | 3.66 | 4.641 | 21.537 |
| Valid N (listwise) | 649 | | | | | |

Detailed SD review

Detailed SD review
G3 final grade

Frequencies

Statistics

Final grade

| | | |
|----------------|---------|--------|
| N | Valid | 649 |
| | Missing | 0 |
| Mean | | 11.91 |
| Median | | 12.00 |
| Std. Deviation | | 3.231 |
| Variance | | 10.437 |
| Range | | 19 |
| Minimum | | 0 |
| Maximum | | 19 |

Spread by sex

Spread by sex
G3 standard deviation

Means

Case Processing Summary

| | Included | | Cases Excluded | | Total | |
|--|-------------------|---------|----------------|---------|-------|---------|
| | N | Percent | N | Percent | N | Percent |
| | Final grade * sex | 649 | 100.0% | 0 | 0.0% | 649 |

Report

Final grade

| sex | N | Mean | Std. Deviation | Minimum | Maximum |
|-------|-----|-------|----------------|---------|---------|
| F | 383 | 12.25 | 3.124 | 0 | 19 |
| M | 266 | 11.41 | 3.321 | 0 | 19 |
| Total | 649 | 11.91 | 3.231 | 0 | 19 |

Visual spread check

Visual spread check
Key variables

Explore

Case Processing Summary

| | Valid | | Cases Missing | | Total | |
|---------------------|-------|---------|---------------|---------|-------|---------|
| | N | Percent | N | Percent | N | Percent |
| First period grade | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| Second period grade | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| Final grade | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| Student age | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| School absences | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |

Descriptives

| | | Statistic | Std. Error | |
|---------------------|----------------------------------|-------------|------------|--|
| First period grade | Mean | 11.40 | .108 | |
| | 95% Confidence Interval for Mean | Lower Bound | 11.19 | |
| | | Upper Bound | 11.61 | |
| | 5% Trimmed Mean | 11.39 | | |
| | Median | 11.00 | | |
| | Variance | 7.536 | | |
| | Std. Deviation | 2.745 | | |
| | Minimum | 0 | | |
| | Maximum | 19 | | |
| | Range | 19 | | |
| | Interquartile Range | 3 | | |
| | Skewness | -.003 | .096 | |
| | Kurtosis | .037 | .192 | |
| Second period grade | Mean | 11.57 | .114 | |
| | 95% Confidence Interval for Mean | Lower Bound | 11.35 | |
| | | Upper Bound | 11.79 | |
| | 5% Trimmed Mean | 11.60 | | |
| | Median | 11.00 | | |
| | Variance | 8.489 | | |
| | Std. Deviation | 2.914 | | |
| | Minimum | 0 | | |

Visual spread check
Key variables

Descriptives

| | | Statistic | Std. Error | |
|----------------------------------|----------------------------------|-------------|------------|------|
| | Maximum | 19 | | |
| | Range | 19 | | |
| | Interquartile Range | 3 | | |
| | Skewness | -.360 | .096 | |
| | Kurtosis | 1.662 | .192 | |
| Final grade | Mean | 11.91 | .127 | |
| | 95% Confidence Interval for Mean | Lower Bound | 11.66 | |
| | | Upper Bound | 12.16 | |
| | 5% Trimmed Mean | 12.06 | | |
| | Median | 12.00 | | |
| | Variance | 10.437 | | |
| | Std. Deviation | 3.231 | | |
| | Minimum | 0 | | |
| | Maximum | 19 | | |
| | Range | 19 | | |
| | Interquartile Range | 4 | | |
| | Skewness | -.913 | .096 | |
| | Kurtosis | 2.712 | .192 | |
| | Student age | Mean | 16.74 | .048 |
| 95% Confidence Interval for Mean | | Lower Bound | 16.65 | |
| | | Upper Bound | 16.84 | |
| 5% Trimmed Mean | | 16.69 | | |
| Median | | 17.00 | | |
| Variance | | 1.484 | | |
| Std. Deviation | | 1.218 | | |
| Minimum | | 15 | | |
| Maximum | | 22 | | |
| Range | | 7 | | |
| Interquartile Range | | 2 | | |
| Skewness | | .417 | .096 | |
| Kurtosis | | .072 | .192 | |
| School absences | | Mean | 3.66 | .182 |

Visual spread check
Key variables

Descriptives

| | Statistic | Std. Error |
|----------------------------------|-------------|------------|
| 95% Confidence Interval for Mean | Lower Bound | 3.30 |
| | Upper Bound | 4.02 |
| 5% Trimmed Mean | 3.09 | |
| Median | 2.00 | |
| Variance | 21.537 | |
| Std. Deviation | 4.641 | |
| Minimum | 0 | |
| Maximum | 32 | |
| Range | 32 | |
| Interquartile Range | 6 | |
| Skewness | 2.021 | .096 |
| Kurtosis | 5.781 | .192 |

