

Statistics

Subject vocabulary

Statistics and its importance in physical education, methods of collecting data (population - sample)

Collecting data through (measurement, testing, questionnaire, observation...)

Classification (tabulation) of data, statistical tables (definition, terms, types...)

Types of tables (ordered, compound, double, recursive)

Configure the frequency table with categories, category center

Ascending and descending clustered repetition

Charts for unclassified data (columns - charts)

Histograms for classified data (histogram - histogram)

Frequency Curve – Ascending-falling clustered frequency curve

First exam - first semester

Arithmetic mean of data (unclassified - classified)

Median data (unclassified - classified)

Mode of data (unclassified - classified)

Range - average deviation of the data (unclassified - classified)

Variance for data (unclassified - classified)

Standard deviation by variance of data (unclassified - classified)

Standard deviation using the equation for data (unclassified - classified)

Coefficient of variation – coefficient of torsion

Standard score (Z - T)

Second exam - first semester

Simple correlation (Pearson)

Rank correlation (Spearman)

One-sample T-test (sample and population)

First exam - second semester

T-test for two paired samples (not independent)

T-test for two independent samples

Kay Square for one sample (good fit)

Second exam - second semester

Like a square for two samples (for comparison)

Introduction to one-way analysis of variance

Discussing students' assignments