Mindluster Platform

About the course Statistics Science

Statistics is a mathematical body of science that pertains to the collection, analysis, interpretation or explanation, and presentation of data, or as a branch of mathematics. Some consider statistics to be a distinct mathematical science rather than a branch of mathematics.

Science Category's Courses

Course Lesson(71)

Lesson 1 : **Introduction to Statistics**

Lesson 2 : **Statistics Introduction Membership**

Lesson 3 : **Descriptive Statistics vs Inferential Statistics**

Lesson 4 : **Qualitative and Quantitative**

Lesson 5 : **Statistic vs Parameter Population vs Sample**

Lesson 6 : **Scales of Measurement Nominal Ordinal Interval Ratio Scale Data**

Lesson 7 : **Mean Median Mode and Range How To Find It**

Lesson 8 : **How To Find The Weighted Mean and Weighted Average In Statistics**

Lesson 9 : **Calculating The Standard Deviation Mean Median Mode Range Variance Using Excel**

Lesson 10 : **How To Make a Simple Frequency Table**

Lesson 11 : **How To Make a Relative Frequency Distribution Table**

Lesson 12 : **How To Make a Cumulative Relative Frequency Table**

Lesson 13 : **Dot Plots and Frequency Tables**

Lesson 14 : **Stem and Leaf Plots**

Lesson 15 : **Side by Side Stem and Leaf Plots**

Lesson 16 : **How To Make a Histogram Using a Frequency Distribution Table**

Lesson 17 : **How To Make a Frequency Polygon**

Lesson 18 : **Quartiles Deciles Percentiles With Cumulative Relative Frequency Data Statistics**

Lesson 19 : **How To Find The Interquartile Range any Outliers Descriptive Statistics**

Lesson 20 :
Skewness Right Left Symmetric Distribution Mean Median Mode With Boxplots Statistics

Lesson 21 : **Sample Mean and Population Mean Statistics**

Lesson 22 : **Mean Median and Mode of Grouped Data Frequency Distribution Tables Statistics**

Lesson 23 : **How To Calculate The Standard Deviation**

Lesson 24 : **Variance and Standard Deviation With Microsoft Excel Descriptive Statistics**

Lesson 25 : **How To Calculate Variance**

Lesson 26 : **Standard Deviation of Grouped Data**

Lesson 27 : **Introduction to Probability Basic Overview Sample Space Tree Diagrams**

Lesson 28 : **Probability of Complementary Events Sample Space**

Lesson 29 : **Conditional Probability With Venn Diagrams Contingency Tables**

Lesson 30 : **Probability Independent and Dependent Events**

Lesson 31 : **Probability of Mutually Exclusive Events With Venn Diagrams**

Lesson 32 : **Multiplication Addition Rule Probability Mutually Exclusive Independent Events**

Lesson 33 : **Compound Probability of Independent Events Coins 52 Playing Cards**

Lesson 34 : **How To Calculate Expected Value**

Lesson 35 : **Probability Tree Diagrams**

Lesson 36 : **Bayes Theorem of Probability With Tree Diagrams Venn Diagrams**

Lesson 37 : **Finding The Probability of a Binomial Distribution Plus Mean Standard Deviation**

Lesson 38 : **Geometric Distribution Probability Mean Variance Standard Deviation**

Lesson 39 : **Introduction to Poisson Distribution Probability Statistics**

Lesson 40 : **Continuous vs Discrete Data**

Lesson 41 : **Continuous Probability Distributions Basic Introduction**

Lesson 42 : **Cumulative Distribution Functions and Probability Density Functions**

Lesson 43 : **Continuous Probability Uniform Distribution Problems**

Lesson 44 : **Probability Exponential Distribution Problems**

Lesson 45 : **Standard Normal Distribution Tables Z Scores Probability Empirical Rule Stats**

Lesson 46 : **Law of Large Numbers**

Lesson 47 : **Central Limit Theorem Sampling Distribution of Sample Means Stats Probability**

Lesson 48 : **Standard Error of the Mean**

Lesson 49 :
How To Find The Z Score Confidence Interval and Margin of Error for a Population Mean

Lesson 50 : **How To Find The Z Score Given The Confidence Level of a Normal Distribution 2**

Lesson 51 : **How To Calculate The Sample Size Given The Confidence Level Margin of Error**

Lesson 52 : **Student s T Distribution Confidence Intervals Margin of Error**

Lesson 53 :
Finding The Confidence Interval of a Population Proportion Using The Normal Distribution

Lesson 54 : **Chebyshev s Theorem**

Lesson 55 : **Hypothesis Testing Null and Alternative Hypotheses**

Lesson 56 : **How To Identify Type I and Type II Errors In Statistics**

Lesson 57 : **One Tailed and Two Tailed Tests Critical Values Significance Level Inferential Statistics**

Lesson 58 : **Test Statistic For Means and Population Proportions**

Lesson 59 : **Hypothesis Testing Problems Z Test T Statistics One Two Tailed Tests 2**

Lesson 60 : **P Value Method For Hypothesis Testing**

Lesson 61 : **Hypothesis Testing Solving Problems With Proportions**

Lesson 62 : **Hypothesis Testing Difference of Two Means Student s Distribution Normal Distribution**

Lesson 63 : **How to find Cohen s D to determine the Effect Size Using Pooled Standard Deviation**

Lesson 64 : **Hypothesis Testing With Two Proportions**

Lesson 65 : **Matched or Paired Samples T Test Hypothesis Testing**

Lesson 66 : **Chi Square Test**

Lesson 67 : **Chi Square Distribution Test of a Single Variance or Standard Deviation**

Lesson 68 : **Test of Independence Using Chi Square Distribution**

Lesson 69 : **Linear Regression Using Least Squares Method Line of Best Fit Equation**

Lesson 70 : **Correlation Coefficient**

Lesson 71 : **ACT Math Test Prep**

Related courses

Geography

Organic Chemistry

History of Science

Physics

Astronomy

Anatomy Physiology

for Business Contact
business@mindluster.com