

MINITAB STATISTICAL SOFTWARE ADD-ON

Estimate Your Required Sample Size Faster and Easier than Ever with Minitab's Sample Size Module



Calculate



Collect



Test

Sample Size Chooser

Estimate the required sample size before collecting data to determine whether the analysis you want to perform will have enough power.



Interval Estimation

Calculate the sample size required to achieve a specific margin of error for confidence or tolerance intervals.

[Interval Estimation Sample Size](#)



Hypothesis Testing

Calculate the sample size required to find differences between a population mean or other parameter and a specified value or compare population means or other parameters across multiple groups.

[Hypothesis Testing Sample Size](#)



Equivalence Testing

Calculate the sample size required to evaluate the equivalence between a population mean and a specified value or establish equivalence in means across multiple groups.

[Equivalence Testing Sample Size](#)



Design of Experiments

Calculate the sample size required for a designed experiment to ensure that your design has enough replicates to achieve acceptable power.

[Design of Experiments Sample Size](#)



Proportion Conforming (C/R Reliability)

Calculate the sample size required to demonstrate that you have met a reliability requirement such as 95/95.

[Proportion Conforming Sample Size](#)



Reliability Over Time

Calculate the sample size required to estimate model parameters or demonstrate that you have met specified reliability requirements.

[Reliability Over Time Sample Size](#)

Quick Calculations

Minitab's Sample Size Module provides guided data analysis to estimate the required sample size to determine whether the analysis you want to perform will have enough power to meet your needs.

Hypothesis Testing

Calculate the sample size required to find differences between a population mean or other parameter and a specified value or compare population means or other parameters across multiple groups.



Compare means

Calculate the sample size required to find differences between a population mean and a specified value or compare population means across multiple groups.



Compare variances

Calculate the sample size required to find differences between a population variance and a specified value or compare population variances across multiple groups.



Compare proportions

Calculate the sample size required to find differences between a population proportion and a specified value or compare population proportions across multiple groups.



Compare rates

Calculate the sample size required to find differences between a population rate and a specified value or compare population rates across multiple groups.

Equivalence Testing

Calculate the sample size required to evaluate the equivalence between a population mean and a specified value or establish equivalence in means across multiple groups.

- 1 Calculate the sample size required to evaluate the equivalence between a population mean and a specified value
Power and Sample Size for 1-Sample Equivalence Test
- 2 Calculate the sample size required to evaluate the equivalence between the test mean and the reference mean of independent samples
Power and Sample Size for 2-Sample Equivalence Test
- 1-1 Calculate the sample size required to evaluate the equivalence between the test mean and a reference mean using paired observations
Power and Sample Size for Paired Equivalence Test
- 2x2 Calculate the sample size required to evaluate the equivalence between the test mean and a reference mean using a 2x2 crossover study
Power and Sample Size for 2x2 Crossover Equivalence Test

Proven Performance

For over 50 years, Minitab Statistical Software has been a leading, proven data analysis solution that has been used and trusted by organizations and providers around the world.

On-Demand Assistance

Minitab is with you every step of your analysis. Explanations are provided for each analysis, while our industry-leading technical support team is available via phone or email to help.

Design Of Experiments

Calculate the sample size required for a designed experiment to ensure that your design has enough replicates to achieve acceptable power.

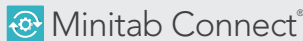
- Calculate the number of replicates and center points required when all factors have only two levels
Power and Sample Size for 2-Level Factorial Design
- Calculate the number of replicates required when you have a large number of factors with two levels and need to identify the most influential
Power and Sample Size for Plackett-Burman Design
- Calculate the number of replicates required when at least one factor has more than two levels
Power and Sample Size for General Full Factorial Design



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Data Transformation



Data access, automation, and governance for comprehensive insights

Data Analysis & Predictive Modeling



Powerful statistical software everyone can use



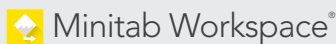
Machine learning and predictive analytics software

Model Deployment and Monitoring



Model lifecycle management on a simple yet powerful platform

Visual Business Tools



Visual tools to ensure process and product excellence

Project Ideation & Execution



Start, track, manage, and execute innovation and improvement initiatives

Quality Solutions



Master statistics and Minitab anywhere with online training



Monitor, respond, and deliver immediate quality and process monitoring