0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26)

Category: AI, Data & Analytics | **Vendor:** IBM

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Classroom

Course Overview

This course provides an application-oriented introduction to the statistical component of IBM SPSS Statistics. Students will review several statistical techniques and discuss situations in which they would use each technique, how to set up the analysis, and how to interpret the results. This includes a broad range of techniques for exploring and summarizing data, as well as investigating and testing relationships. Students will gain an understanding of when and why to use these various techniques and how to apply them with confidence, interpret their output, and graphically display the results.

About This Course

This course provides an application-oriented introduction to the statistical component of IBM SPSS Statistics. Students will review several statistical techniques and discuss situations in which they would use each technique, how to set up the analysis, and how to interpret the results. This includes a broad range of techniques for exploring and summarizing data, as well as investigating and testing relationships. Students will gain an understanding of when and why to use these various techniques and how to apply them with confidence, interpret their output, and graphically display the results.

Who Should Attend

IBM SPSS Statistics users who want to familiarize themselves with the statistical capabilities of IBM SPSS StatisticsBase.

Anyone who wants to refresh their knowledge and statistical experience.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Introduction to statistical analysis

Describing individual variables

Testing hypotheses

Testing hypotheses on individual variables

Testing on the relationship between categorical variables

Testing on the difference between two group means

Testing on differences between more than two group means

Testing on the relationship between scale variables

Predicting a scale variable: Regression

Introduction to Bayesian statistics

Overview of multivariate procedures

Detailed Course Outline

Introduction to statistical analysis

- Identify the steps in the research process
- Identify measurement levels Describing individual variables
- Chart individual variables

Summarize individual variables

- Identify the normal distributionIdentify standardized scores Testing hypotheses
- Principles of statistical testing
- One-sided versus two-sided testingType I, type II errors and power Testing hypotheses on individual variables
- Identify population parameters and sample statistics

Examine the distribution of the sample mean

- Test a hypothesis on the population mean
- Construct confidence intervals

Tests on a single variable Testing on the relationship between categorical variables

- Chart the relationship
- Describe the relationship

Test the hypothesis of independence

- Assumptions
- Identify differences between the groups
- Measure the strength of the association Testing on the difference between two group meansChart the relationship
- Describe the relationship

Test the hypothesis of two equal group means

- Assumptions Testing on differences between more than two group means
- Chart the relationship
- Describe the relationship

Test the hypothesis of all group means being equal

- Assumptions
- Identify differences between the group means Testing on the relationship between scale variables
- Chart the relationship
- Describe the relationship

Test the hypothesis of independence

- Assumptions
- Treatment of missing values Predicting a scale variable: Regression
- Explain linear regression
- Identify unstandardized and standardized coefficients
- Assess the fit
- Examine residuals
- Include 0-1 independent variables

Include categorical independent variables Introduction to Bayesian statistics

- Bayesian statistics and classical test theory
- The Bayesian approach
- Evaluate a null hypothesis

Overview of Bayesian procedures in IBM SPSS Statistics Overview of multivariate procedures

- Overview of supervised models
- Overview of models to create natural groupings

Additional Course Details

Nexus Humans 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26)?

Yes, we provide corporate training, dedicated training, and closed classes for 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your 0G51BG IBM Statistical Analysis Using IBM SPSS Statistics (V26) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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