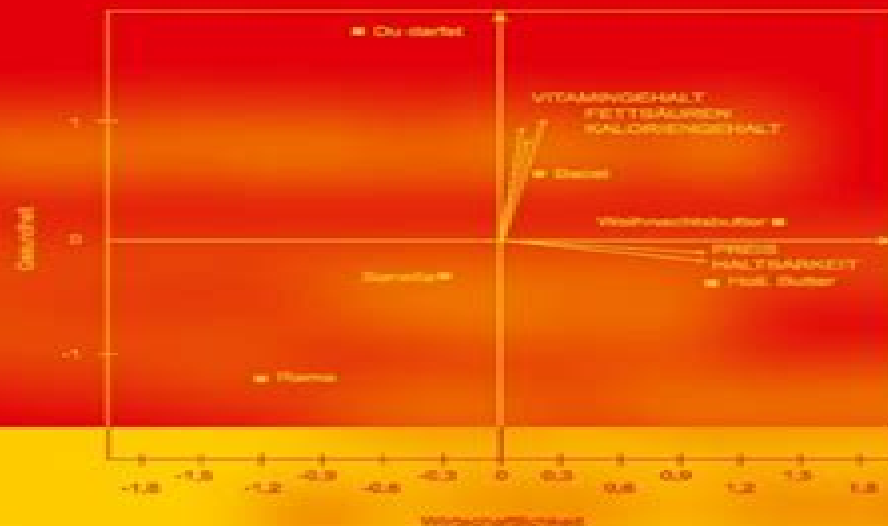


# Backhaus · Erichson Plinke · Weiber **Multivariate Analysemethoden**

Eine anwendungsorientierte Einführung



13. Auflage



# Multivariate Analysemethoden Anwendungsorientierte Einführung German

**Mario Muthmann**



## **Multivariate Analysemethoden Anwendungsorientierte Einföhrung German:**

*Multivariate Analysemethoden* Klaus Backhaus, Bernd Erichson, Sonja Gensler, Rolf Weiber, Thomas Weiber, 2025-07-14  
Wir leben in einer Welt der Daten Daten allein aber sind wertlos wenn wir nicht in der Lage sind aus ihnen Informationen zu gewinnen Um Informationen aus Daten zu extrahieren sind Methoden der multivariaten Datenanalyse unerlässlich Dieses Buch bietet eine leicht verständliche Einführung in die wichtigsten Methoden der multivariaten Datenanalyse Es ist anwendungsorientiert erfordert nur wenige Kenntnisse in Mathematik und Statistik demonstriert die Verfahren mit numerischen Beispielen und veranschaulicht jede Methode anhand eines anschaulichen Fallbeispiels Für Interessierte werden im Einführungskapitel für alle Verfahren relevante statistische Grundlagen aufgefrischt Für die 18 Auflage wurden alle Kapitel überarbeitet und mit der aktuellen Version von IBM SPSS gerechnet Der Inhalt Einführung in die empirische Datenanalyse Regressionsanalyse Varianzanalyse Diskriminanzanalyse Logistische Regression Kontingenzanalyse Faktorenanalyse Clusteranalyse Conjoint Analyse Das Buch wurde 2015 vom Berufsverband Deutscher Markt und Sozialforscher BVM als das Lehrbuch ausgezeichnet das die deutsche Marktforschungspraxis in den letzten Jahrzehnten nachhaltig geprägt hat Es ist auch in Englisch und Chinesisch erschienen Auf der Webseite [www.multivariate-methods.info](http://www.multivariate-methods.info) werden weitere Materialien bspw Excel Beispiele R Code angeboten durch die sich die Verfahren noch besser erschließen und vertiefen lassen Interaktive Flashcards helfen den eigenen Lernfortschritt zu kontrollieren Mit der Springer Nature Flashcards App können Sie exklusive Inhalte nutzen und Ihr Wissen testen *Multivariate Analysemethoden* Christiane Schuchard-Fischer, 1985

**Fortgeschrittene Multivariate Analysemethoden** Klaus Backhaus, Bernd Erichson, Rolf Weiber, 2015-09-30 Dieses Lehrbuch behandelt weiterführende Verfahren der multivariaten Datenanalyse und ist gezielt auf Master und Doktoranden Studiengänge ausgerichtet Folgende Verfahren werden vorgestellt Nichtlineare Regressionsanalyse Strukturgleichungsanalyse Konfirmatorische Faktorenanalyse Auswahlbasierte Conjoint Analyse Neuronale Netze Multidimensionale Skalierung MDS Korrespondenzanalyse Zum Verständnis sind geringstmögliche mathematische Vorkenntnisse erforderlich und jedes Kapitel kann für sich eigenständig gelesen werden Nach der intuitiven Erläuterung der Vorgehensweise der einzelnen Verfahren werden diese mit Hilfe eines anschaulichen Fallbeispiels sowie unter Verwendung der Statistik Software IBM SPSS und teilweise auch mit MS Excel und der Conjoint Software von Sawtooth sowie AMOS gerechnet und interpretiert Dabei wurde Wert darauf gelegt dass alle Rechenschritte für den Anwender nachvollziehbar sind und es werden Anwendungsempfehlungen gegeben Auf der Internetseite [multivariate.de](http://multivariate.de) bieten wir weitere Serviceleistungen Von Dozenten können auch die Abbildungen angefordert werden Die hier dargestellten Verfahren waren bis 2011 Bestandteil des Lehrbuchs *Multivariate Analysemethoden* Dort werden die vor allem für das Bachelor Studium zentralen Verfahren der Regressions Zeitreihen Varianz Diskriminanz logistischen Regressions Kontingenz Faktoren Cluster und Conjoint Analyse behandelt Das bereits in der 14 Auflage vorliegende Buch *Multivariate Analysemethoden* der Autoren

wurde im Jahr 2015 anlässlich des 50. Kongresses der Deutschen Marktforschung des BVM Berufsverband Deutscher Markt und Sozialforscher e.V. mit dem Preis der Deutschen Marktforschung ausgezeichnet, weil es die deutsche Marktforschungspraxis in den letzten Jahrzehnten nachhaltig geprägt hat. In der 3. Auflage des Werks Fortgeschrittene Multivariate Analysemethoden wurden alle Kapitel bearbeitet und die vorgestellten Verfahren mit den aktuellen Versionen von IBM SPSS AMOS sowie Sawtooth gerechnet. **Multivariate Analysemethoden** Klaus Backhaus, 2011. EDV SPSS Faktorenanalyse Korrespondenzanalyse multivariate Analyse Multivariate Verfahren Matthias Rudolf, Johannes Buse, 2020-01-20. Gut nachvollziehbar und anwendungsorientiert werden in diesem Lehrbuch multivariate Verfahren behandelt, die für die Auswertung empirischer Untersuchungen besonders wichtig sind. In jedem Kapitel werden zunächst die Grundlagen der Verfahren unter Verwendung kleiner Beispieldaten dargestellt. Anhand der gleichen Daten wird anschließend schrittweise die praktische Umsetzung des Verfahrens in SPSS beschrieben. Für die Analyse linearer Strukturgleichungsmodelle wird AMOS verwendet. Zahlreiche Bildschirmabdrücke, Interpretationshilfen und eine lückenlose Darstellung der Analyseschritte ermöglichen das selbständige Studium und die Anwendung der Verfahren auf eigene Fragestellungen. Leserinnen und Leser, die mit SPSS oder AMOS nicht vertraut sind, werden in die notwendigen Grundlagen eingeführt. Alle im Text verwendeten Beispieldaten sowie die SPSS Syntax-Dateien aller Analysen und kommentierte R-Skripte sind auf der Web-Seite zum Buch enthalten. Zu jedem Kapitel werden außerdem Daten sowie Syntax-Dateien, kommentierte R-Skripte, Auswertungen und Ergebnisinterpretationen aus Forschungsprojekten zur Verfügung gestellt, deren Themen von arbeitspsychologischen bis zu epidemiologischen Untersuchungen reichen. Folgende Verfahren werden behandelt: Regressionsanalyse, Varianzanalyse, Diskriminanzanalyse, Faktorenanalyse, Clusteranalyse, logistische Regressionsanalyse, Analyse loglinearer Modelle, Zeitreihenanalyse, Analyse linearer Strukturgleichungsmodelle. Für die 3. Auflage wurden alle Kapitel aktualisiert und in verschiedenen Details erweitert. Die Abschnitte zur Arbeit mit der Statistik-Software wurden komplett bearbeitet und basieren nun auf den Programmversionen SPSS 25 bzw. AMOS 25. Zusätzlich stehen für die Umsetzung der Verfahren mit R auf der Web-Seite zum Buch kommentierte R-Skripte zur Verfügung.

Qualitative Forschungsmethoden. Multivariate Analysemethoden. Multivariate Verfahren, Kreuztabellierung und Kontingenztafel, statistische Auswertung Mario Muthmann, 2017-10-23. Studienarbeit aus dem Jahr 2016 im Fachbereich VWL Statistik und Methoden, Note 2,6. Steinbeis-Hochschule Berlin. Veranstaltung: Qualitative Forschungsmethoden. Sprache: Deutsch. Abstract: Multivariate Analysemethoden sind heute eines der Fundamente der empirischen Forschung in den Wirtschaftswissenschaften. Die Methoden sind immer noch in konsequenter Weiterentwicklung. Es werden ständig neue methodische Varianten entwickelt, neue Anwendungsbereiche erschlossen, und neue oder verbesserte Computer-Programme ohne die eine praktische Anwendung der Verfahren nicht möglich ist, entwickelt. **Multivariate Analysemethoden. Anwendung am Beispiel von Clusteranalysen** Stefanie Hanschkatz, 2021-02-16. Studienarbeit aus

dem Jahr 2020 im Fachbereich Mathematik Statistik Note 1,8 Steinbeis Hochschule Berlin CRES Veranstaltung Multivariate Analysemethoden Sprache Deutsch Abstract Die vorliegende Projektstudienarbeit soll multivariate Analysemethoden aufzeigen und erklären, welche sich mit der Auswertung mehrerer Merkmale auseinandersetzen. In Kapitel 2 werden hierzu die grundlegenden Verfahren gezeigt. Im anschließenden Kapitel 3 wird die Clusteranalyse eingehend betrachtet. Hier sollen verschiedene praxisrelevante Verfahren aufgezeigt und eine Vorgehensweise bei Analysen skizziert werden. In einem Fallbeispiel wird die Anwendung der Clusteranalyse vorgeführt. Dabei werden die Schritte des Analyseverfahrens dargestellt und erläutert. Die Verbreitung von leistungsstarken Rechnern führte in den vergangenen Jahrzehnten dazu, dass große Mengen an Daten gespeichert werden können. Diese stellen mittlerweile ein Kapitalgut dar, auf dessen Basis gesamte Firmenkonzepte beziehen. Beispielsweise gründet sich das Konzept der Firma Payback auf die Kundendatenauswertung für ihre Partner. Diese Menge an Daten kann nicht ohne geeignete Werkzeuge überschaubar gemacht werden. Die Statistik hat dabei die Aufgabe, Daten zu erfassen, zusammenzufassen, zu analysieren und darzustellen, und bietet eine Methode zur Entscheidungsfindung. Abhängig von der Anzahl der zu untersuchenden Merkmale unterscheidet man zwischen univariater und multivariater Analyse. Univariat sind dabei Analysen, für die nur ein Objekt untersucht wird. Diese dienen auch später als Grundlage zur multivariaten Analyse.

## **Multivariate Analysemethoden Anwendungsorientierte Einf rung German** Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Multivariate Analysemethoden Anwendungsorientierte Einf rung German**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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