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| Details zum Modul | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | | | | | | | | | | | | | | **Studienjahr** | | | | | | | **Studiensemester** | | | |
| BA018 | | | | | | | | | | | | | |  | | | | | | | Wahlfach | | | |
| Bezeichnung | | | | | | | | | | | | | | **VL** | | **UE** | | | **LU** | | **ECTS** | | | |
| Datenanalyse | | | | | | | | | | | | | | 3 | | 0 | | | 0 | | 7.5 | | | |
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| Sprache | | | | Deutsch | | | | | | | | | | | | | | | | | | | | |
| Studium | | | | **Bachelor** | | |  | | | | **Master** | |  | | | | | **Doktor** | | | | | **X** | |
| Studiengang | | | | PhD in Betriebswirtschaftslehre | | | | | | | | | | | | | | | | | | | | |
| Lehr- und Lernformen | | | | Präsenzvorlesung | | | | | | | | | | | | | | | | | | | | |
| Modultyp | | | | **Pflichtfach** | | | | |  | | | | **Wahlfach** | | | | | | | **X** | | | | |
| Lernziele | | | | Dieser Kurs zielt darauf ab, den Studierenden fortgeschrittene Kenntnisse in Statistik und Datenanalyse zu vermitteln. Zu den behandelten Themen gehören Wahrscheinlichkeitstheorie, univariate und multivariate Zufallsvariablen und asymptotische Theorie, Eigenschaften von Schätzern, Wahrscheinlichkeitsfunktionen und Elemente der Bayes'schen Statistik. Der Kurs führt auch in die Anwendung von statistischer Software in betriebs- und volkswirtschaftlichen Themenbereichen ein. | | | | | | | | | | | | | | | | | | | | |
| Lerninhalte | | | | Im Kurs werden statistische Analysetechniken und das Verständnis von Forschung und Interpretation von Daten eingeführt. Es wird geübt, die richtige Analysetechnik zu wählen. | | | | | | | | | | | | | | | | | | | | |
| Methoden und Verfahren | | | | Direkte Instruktionsmethode | | | | | | | | | | | | | | | | | | | | |
| Teilnahmevoraussetzungen | | | | Keine | | | | | | | | | | | | | | | | | | | | |
| Koordination | | | | Assoc. Prof. Dr. Mehmet Hakan Özdemir (stellvertretend) | | | | | | | | | | | | | | | | | | | | |
| Vortrgende(r) | | | | Assoc. Prof. Dr. Mehmet Hakan Özdemir (stellvertretend) | | | | | | | | | | | | | | | | | | | | |
| Mitwirkende(r) | | | |  | | | | | | | | | | | | | | | | | | | | |
| Praktikumsstatus | | | | Keine | | | | | | | | | | | | | | | | | | | | |
| Fachliteratur | | | | | | | | | | | | | | | | | | | | | | | | |
| Bücher / Skripte | | | | Field, A. (2013). Discovering statistics using SPSS (4th edition). Los Angeles: Sage. ISBN: 978-1-4462-4918-5  Agung, Advanced Time Series Data Analysis: Forecasting Using EViews, 2019, Wiley-Blackwell  Cramer, Advanced Quantitative Data Analysis (Understanding Socialresearch), 2003, Open University Press | | | | | | | | | | | | | | | | | | | | |
| Weitere Quellen | | | |  | | | | | | | | | | | | | | | | | | | | |
| Lernmaterialien | | | | | | | | | | | | | | | | | | | | | | | | |
| Dokumente | | | |  | | | | | | | | | | | | | | | | | | | | |
| Hausaufgaben | | | |  | | | | | | | | | | | | | | | | | | | | |
| Prüfungen | | | |  | | | | | | | | | | | | | | | | | | | | |
| Zusammensetzung des Moduls | | | | | | | | | | | | | | | | | | | | | | | | |
| Mathematik und Grundlagenwissenschaften | | | |  | | | | | | | | | | | | | 70% | | | | | | | |
| Ingenieurwesen | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Konstruktionsdesign | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Sozialwissenschaften | | | |  | | | | | | | | | | | | | 30% | | | | | | | |
| Erziehungswissenschaften | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Naturwissenschaften | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Gesundheitswissenschaften | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Fachkenntnis | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Bewertungssystem | | | | | | | | | | | | | | | | | | | | | | | | |
| Aktivität | | | | **Anzahl** | | | | | | | | | | | | | **Gewichtung in Endnote (%)** | | | | | | | |
| Zwischenprüfungen | | | | 1 | | | | | | | | | | | | | %40 | | | | | | | |
| Quiz | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Hausaufgaben | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Anwesenheit | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Übung | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Projekte | | | |  | | | | | | | | | | | | | % | | | | | | | |
| Abschlussprüfung | | | | 1 | | | | | | | | | | | | | %60 | | | | | | | |
| Summe | | | | | | | | | | | | | | | | | **100** | | | | | | | |
| ECTS Leistungspunkte und Arbeitsaufwand | | | | | | | | | | | | | | | | | | | | | | | | |
| Aktivität | | | | **Anzahl** | | | | | | **Dauer** | | | | | | | **Gesamtaufwand (Stunden)** | | | | | | | |
| Vorlesungszeit | | | | 14 | | | | | | 3 | | | | | | | 42 | | | | | | | |
| Selbsstudium | | | | 14 | | | | | | 13 | | | | | | | 182 | | | | | | | |
| Hausaufgaben | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Präsentation / Seminarvorbereitung | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Zwischenprüfungen | | | | 1 | | | | | | 1 | | | | | | | 1 | | | | | | | |
| Übung | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Labor | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Projekte | | | |  | | | | | |  | | | | | | |  | | | | | | | |
| Abschlussprüfung | | | | 1 | | | | | | 1 | | | | | | | 1 | | | | | | | |
| Summe Arbeitsaufwand | | | | | | | | | | | | | | | | | **226** | | | | | | | |
| ECTS Punkte (Gesamtaufwand / Stunden) | | | | | | | | | | | | | | | | | **7.5** | | | | | | | |
| Lernergebnisse | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | Vertrautheit mit verschiedenen statistischen Analysetechniken | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Bewertung der Angemessenheit statistischer Analysen, Schlussfolgerungen und Schlussfolgerungen zum Verständnis von Forschungsergebnissen und zur Interpretation von Daten in angewandten Bereichen. | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Auswahl der richtigen Analysetechnik für neue Forschungsarbeiten | | | | | | | | | | | | | | | | | | | | | | |
| Wöchentliche Themenverteilung | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | Einführung | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | SPSS-Umgebung | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Neutralität Annahmen | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | T-Test | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | ANOVA | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | ANOVA | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | ANOVA | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | Gemischte Designs, Zwischenprüfung | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | Gemischte Entwürfe | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | Projekt-Präsentationen | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | Korrelationen und Daten mit Diagrammen | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | Regression | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | Regression | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | Kategorische Daten | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | Kategorische Daten | | | | | | | | | | | | | | | | | | | | | | |
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| Beitrag der Lernergebnisse zu den Lernzielen des Programms (1-5) | | | | | | | | | | | | | | | | | | | | | | | | |
|  | **P1** | | **P2** | **P3** | | **P4** | | **P5** | | | **P6** | **P7** | | | **P8** | | | **P9** | | | | **P10** | | **P11** |
| 1 | 5 | | 4 | 5 | | 5 | | 5 | | | 4 |  | | | 4 | | |  | | | | 5 | |  |
| 2 | 5 | | 4 | 5 | | 5 | | 5 | | | 4 |  | | | 4 | | |  | | | | 5 | |  |
| 3 | 5 | | 4 | 5 | | 5 | | 5 | | | 4 |  | | | 4 | | |  | | | | 5 | |  |
| Beitragsgrad: 1: Sehr Niedrig 2: Niedrig 3: Mittel 4: Hoch 5: Sehr Hoch | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |
| Erstellt von: | | | | | Assoc. Prof. Dr. Mehmet Hakan Özdemir (Leiter des Fachbereichs Numerische Methoden) | | | | | | | | | | | | | | | | | | | |
| Datum der Aktualisierung: | | | | | 13.05.2024 | | | | | | | | | | | | | | | | | | | |