

Vak: Preparatory Course Data Science I

credits: 5

Vakcode	BFVM22DATASC1
Naam	Preparatory Course Data Science I
Studiejaar	2022-2023
ECTS credits	5
Taal	Engels
Coördinator	F. Feenstra

Werkvormen	Hoorcollege
Toetsen	TOETS-01 - Schriftelijk, organisatie ToetsCentrum

Leeruitkomsten

- interpret mathematical notation of calculus, statistics and linear algebra
- apply basic equations analytically, including linear, rational, quadratic, trigonometric, exp/log equations in one variable
- execute differentiation and integration of standard functions in simple forms
- understand probabilistic concepts related to the scientific method
- apply descriptive statistics and execute standard statistical tests, including Welch/Student t-test, F-test, and χ^2 tests on proportions
- manipulate mathematical expressions involving matrices and vectors
- solve linear systems of equations using matrix algebra

Inhoud

In this course, the student will revise basic mathematical skills and knowledge in the fields of calculus, statistics and linear algebra. This is one of the three optional modules of the Preparatory course. Its intended for students without a sound background in mathematics and statistics. The basic mathematical skills are a required level for the data sciences subjects and introduce students in simple modeling using statistics and linear algebra

Opgenomen in opleiding(en)

Master Data Sciences for the Life Science

School(s)

Instituut voor Life Science & Technology

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