ITARTIN Artificial Intelligence: 15 op

Perustiedot

Tunnus
ITARTIN

Voimassaoloaika
21.2.2023 - 31.7.2032

Kesto (vuotta)
0

Pääasiallinen opetuskieli
englanti

Tarkennukset

Luokittelu
IT and Digitalisation (ENG) Minor Packages

Yksikkö
IT-Tradenomi

Kuvaus

Sisällön valinnaisuus, esitietovaatimukset ja tarjontatiedot

Sisällön valinnaisuus
Kaikki pakollisia

ANA001TR1AE Introduction to Data Analytics for Business: 5 op

Laajuus (op)
5 - 5

Koulutus
INTBBA International Business, DIGIBBA Digital Business Innovations, AVIBBA Aviation Business

Vastuuhenkilöt
Jutta Heikkilä , Toni Ernvall

Opetuskieli
englanti

Osaamistavoitteet
After having completed this course or attained an equivalent competence level, the student:
- utilises business and customer data from various sources to support decision-making process

- processes data in Excel or other suitable software
- formulates data into tables and calculate descriptive statistics
- visualises data correctly
- analyses and interprets correlations and their significance
- is able to interpret, report and critically assess the results

Sisältö
- statistics and their representation as tables and charts
- descriptive statistics
- correlation and regression
- time series
- basics of statistical inference

Lähtötaso ja sidonnaisuudet muihin opintojaksoihin
Prerequisite is the successful completion of course ICT Key Comeptences.

Assessment criteria

Assessment criteria - grade 1
Is able to calculate basic descriptive statistics. Visualises data with basic figures and tables. Is able to list the main results.

Assessment criteria - grade 3
Analyses correlations, differences and trends. Visualises data with various figures and tables. Is able to interpret and report the results.

Assessment criteria - grade 5
Analyses and interprets independently correlations, differences and trends. Selects and creates suitable graphical presentations to visualise data. Is able to interpret and assess the results and give suggestions for development.

ICB011AS2AE Basics of Artificial Intelligence (AI): 5 op

Laajuus (op)
5 - 5

Koulutus
ITBBA Business Information Technology

Vastuuhenkilöt
Juhani Heikkinen

Opetuskieli
englanti

Osaamistavoitteet
Upon completion of the course, the student is able to:
* understand what is AI and how it can affect business
* recognize opportunities of AI in different domains
* is able to analyze and visualize data
* knows the basic statistical methods used in data analysis

* knows how to use software to perform data analysis
* knows how to apply some basic methods used in AI
* knows trends in AI
* can recognize ethical challenges related to applying AI in business

Sisältö
* definition of AI and basic concepts related to it
* business cases where AI is used
* methods and software for data analysis and visualization
* basics of statistical data analysis methods
* application of AI methods in a project work
* recent trends in AI
* ethical issues in AI

Lähtötaso ja sidonnaisuudet muihin opintojaksoihin
No pre requirements

Assessment criteria

Assessment criteria - grade 1
The student:
- Knows the basic concepts of artificial intelligence
- Recognizes the importance of artificial intelligence in business
- Knows the most common AI methods
- Knows th basics of technical solutions
- Knows the needs and challenges of artificial intelligence projects and continuous development
- Recognizes AI trends and ethical challenges

Assessment criteria - grade 3
In addition to the above the student:
- Understands how artificial intelligence affects business
- Understands in general the possibilities and limitations of various artificial intelligence software, platforms and services
- Understands how it is possible to improve practices in artificial intelligence projects and continuous development
- Understands the implications and ethical challenges of AI trends

Assessment criteria - grade 5
In addition to the above the student:
- Is able to assess the best methods for the practical applications of artificial intelligence
- Is able to compare the capabilities and limitations of different AI software, platforms and services
- Is able to contribute to the organization's artificial intelligence projects and continuous development
- Is able to analyze the effects of artificial intelligence trends and ethical challenges from the perspectives of individual organizations and society

ICB013AS3AE Applied Artificial Intelligence (AI): 5 op

Laajuus (op)
5 - 5

Koulutus
TRATI Tradenomi tietojenkäsittely

Vastuuhenkilöt
Niina Kinnunen

Opetuskieli
englanti

Tunnus	Nimi	Summa
ITARTIN	**Artificial Intelligence**	**15**
ANA001TR1AE	Introduction to Data Analytics for Business	5
ICB011AS2AE	Basics of Artificial Intelligence (AI)	5
ICB013AS3AE	Applied Artificial Intelligence (AI)	5