

Artificial Intelligence

Algorithms and Applications with Python

Christmas Lecture



TECHNISCHE
UNIVERSITÄT
DARMSTADT

WIRTSCHAFTS
INFORMATIK



AIAA 1 + 2



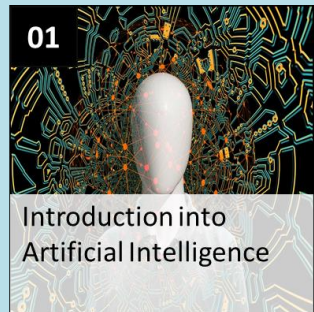
Dr. Dominik Jung
dominik.jung42@gmail.com



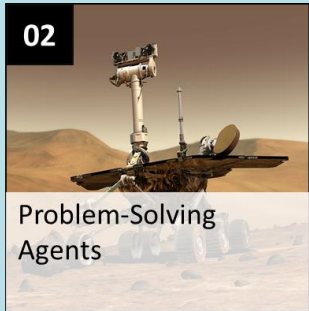
python



The Past and the Future



01
Introduction into
Artificial Intelligence



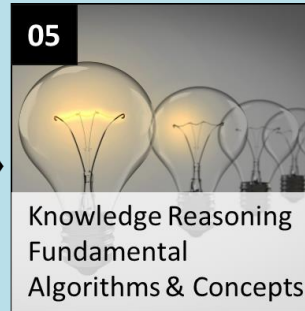
02
Problem-Solving
Agents



03
Introduction into AI-
Programming with
Python



04
Data and Feature
Engineering



05
Knowledge Reasoning
Fundamental
Algorithms & Concepts

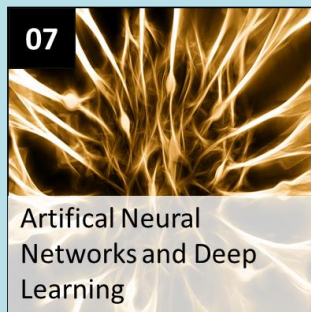


06
Machine Learning
Fundamental
Algorithms & Concepts

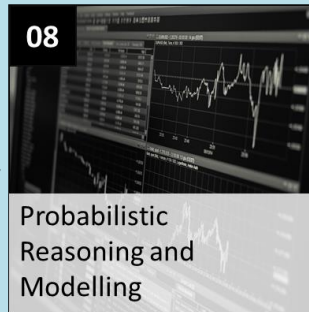
Workbook Exercises

Code Lectorial
Python

Workbook & Coding Exercises



07
Artificial Neural
Networks and Deep
Learning



08
Probabilistic
Reasoning and
Modelling



09
Building Productive AI-
based Information
Systems

Workbook & Coding Exercises

TU Darmstadt:

Live Coding Sessions

Consultation Hours

Capstone

UPDATE

Image sources: ↗ [Pixabay](#) (2019) / ↗ [CC0](#)

The **first three** students to answer the most class room questions correctly **on or before 23th December, 2020**, get to **win a christmas gift** from me



**I count the number of correct answers in the related youtube video comments and will contact you*



- Even in winter semester 20/21 teaching in various online formats remains a challenge for both of us: me as a teacher and you as students.
- That is why your feedback is more important than ever!
- Use the course evaluation!
- Share your experience, your praise and your suggestions for improvement so that I can benefit from your impressions!



Participation is voluntary and anonymous.
There are no disadvantages if you do not participate. No IP addresses will be stored.



- Scan the QR code or enter the given link in the browser of your device.
- Enter the password given on the following slide into the free space.
- Use free text fields for further feedback!

↗ <http://evaluation.tu-darmstadt.de>

password:
9MY9M



Just
{ Keep }
Coding

