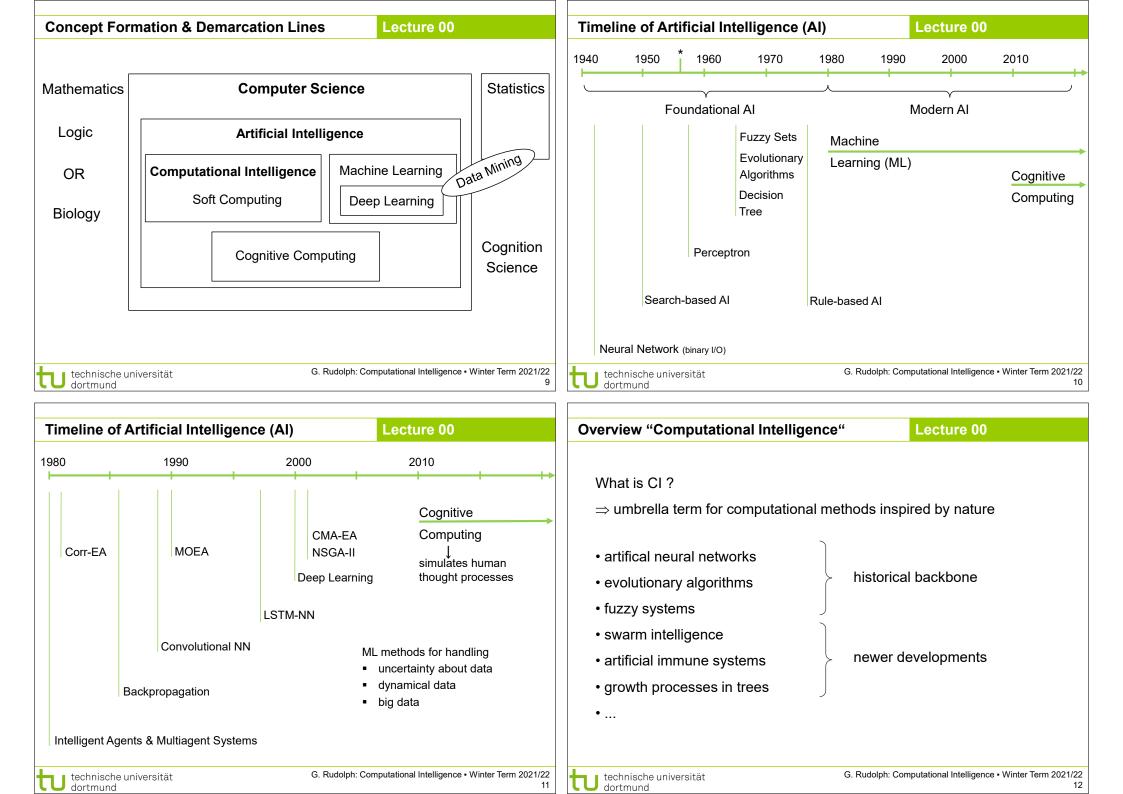
Computational Intelligence Winter Term 2021/22		Content	Lecture 00
		 Organization (Lectures / Tutorials) Disambiguation: <i>Computational Intelligence</i> 	
Prof. Dr. Günter Rudolph Lehrstuhl für Algorithm Engineering (LS 11) Fakultät für Informatik TU Dortmund			
		technische universität dortmund	G. Rudolph: Computational Intelligence • Winter Term 2021/22 2
Organizational Issues	Lecture 00	Organizational Issues	Lecture 00
Who are you? either studying " <i>Automation and Robotics</i> " (Master of or studying " <i>Informatics</i> " (Bachelor of Science) or studying " <i>Data Science</i> " (Master of Science) or let me know!	Science)	Who am I ? Günter Rudolph Fakultät für Informatik, LS 11 Guenter.Rudolph@tu-dortmund.de OH-14, Room 2.32 office hours: Tuesday, 10:30–11:30am and by appointment	 ← best way to contact me ← if you want to see me (after pandemic)
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Organizational Issues	Lecture 00	Organizatio	nal Issues		Lecture 00	
Hybrid setting due to current state of Corona	a pandemic	Lectures	Wednesday	10:15-11:45	OH 14 / E23,	weekly
 Lecture: in lecture hall with medical mask, 3G-rule: admission only if vaccinated, remote / online via Zoom, streaming from lecture hall 	slides of lecture published on web page	Tutorials	from 13-Oct-2021 either Wednesday or Friday or Thursday from 20-Oct-2021	12:15-13:45 12:15-13:45 12:15-13:45	OH 12 / 3.031 OH 12 / 3.031 online (Zoom)	≈ bi-weekly ≈ bi-weekly
 streaming from lecture hall weekly <u>Tutorial:</u> in classroom (→ registration required) with medical mask, 3G-rule: admission only if vaccinated, recovered or tested remote / online via Zoom (purely digital: no streaming from classroom) 		Tutor Marius Bommert, MSc, LS 11 Florian Wellner, LS11 Information (web pages & moodle) http://ls11-www.cs.tu-dortmund.de/people/rudolph/ teaching/lectures/CI/WS2021-22/lecture.jsp Slides see moodle see web page				
dortmund	oh: Computational Intelligence • Winter Term 2021/22 5		universität	·	h: Computational Intelligence	Winter Term 2021
Drganizational Issues	Lecture 00	Prerequisite	es estatution estatu estatution estatution esta		Lecture 00	
Exams Effective since winter term 2014/15: written exa	am (not oral)	Knowled • mathem	-			
 Informatik, Bachelor: Module 	\rightarrow written exam (90 min)	• program • logic is helpful.				
 Automation & Robotics, Master: Module 	\rightarrow written exam (90 min)					
 Data Science / Statistics, Master: Module 	\rightarrow written exam (90 min)					
• whoever else	\rightarrow written exam (90 min)	covered	t if something is u I in the lecture s to literature	nknown to me?		
mandatory for registration to written exam: m	ust pass tutorial!	and do	on't hesitate to asl	k !		
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Overview "Computational Intelligence"

Lecture 00

- term "computational intelligence" made popular by John Bezdek (FL, USA)
- originally intended as a demarcation line
- \Rightarrow establish border between artificial and computational intelligence
- nowadays: blurring border \rightarrow current widespread perception: CI \subset AI

our goals:

- 1. know what CI methods are good for!
- 2. know when refrain from CI methods!
- 3. know why they work at all!
- 4. know how to apply and adjust CI methods to your problem!

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