

Supplementary Course (EVA) at ZHAW School of Engineering

Title: Seminar on Recent Scientific Publications in
Data Science

Short Code: rEVA_SciPub

ECTS Credits	3
Profile	Data Science (DS)
Responsible Institute /Centre	Institute of Data Analysis and Process Design (IDP)
Responsible lecturer and contact information	Thoralf Mildenerger (mild@zhaw.ch)
Type and duration of examinations	Presentation (60 minutes)
Start date and duration	Semester: Spring Detail: Semester course with presentation after semester end
Location	Winterthur
Course type	Seminar <ul style="list-style-type: none"> • Contact hours: 3-7h (initial meeting and final presentation, depends on number of participants) • Guided self-study: 5-9h (coaching, discussions with Lecturer responsible for student's selected paper) • Independent self-study: 78h (literature study, preparation of presentation and code example)
Language of instruction	English
Short description (max. 300 characters)	The seminar aims for students to engage with a cutting-edge scientific publication in Data Science/Statistics. Each student receives an assigned publication and presents it at the seminar's end. They apply the described methodology to their own example.
Contents and Learning Objectives	Learning Objectives: <ul style="list-style-type: none"> • Students are capable of reading and comprehending scientific publications. • Students can present a scientific publication in an understandable manner. • Students can critically assess scientific publications. • Students can apply and evaluate the described theory using an example.
Prerequisites	-
Literature	A selection of suitable publications will be provided at the beginning of the seminar.
Special requirements	-

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Offer for profiles	Aviation (Avi)	<input type="checkbox"/>	Business Engineering (BE)	<input type="checkbox"/>
	Computer Science (CS)	<input type="checkbox"/>	Data Science (DS)	<input checked="" type="checkbox"/>
	Electrical Engineering (EIE)	<input type="checkbox"/>	Energy & Environment (EnEn)	<input type="checkbox"/>
	Mechanical Engineering (ME)	<input type="checkbox"/>	Mechatronics & Automation (MA)	<input type="checkbox"/>
	Medical Engineering (Med)	<input type="checkbox"/>	Photonics and Laser Engineering (Pho)	<input type="checkbox"/>
	Information and Cyber Security	<input type="checkbox"/>	Civil Engineering (CE)	<input type="checkbox"/>