**CHANGE PROJECT REQUIREMENTS!!**

**Day 1:**

1. **Introduction**

Artificial intelligence (AI) is an emerging field that leads to enormous new business opportunities. The growth of AI and its broad application has great economic benefits, however also results in serious societal implications. Therefore questions of ethics are becoming vital, as AI systems might be negatively biased that can negatively impact our lives Thus different concepts and frameworks need to be taken into consideration while developing AI.

During the first independent study day, you will get insights into DEDA Framework, learn about Ethical Decision Making and prepare for the Socratics debate that will be held during tomorrow’s Data Lab.

If you have questions regarding the study material, you can send us an email or attend the Q&A session at the end of each self-study day. During the Q&A session, we will extensively discuss the independent study material. For details on availability see Project Brief.

1. **AI Ethics**

**2a** **Watch the video by IMB Technology: “What is AI Ethics?”**

<https://www.youtube.com/watch?v=aGwYtUzMQUk>

**2b Answer questions related to the video:**

* What does it take to earn trust in an artificial intelligence?
* What are the 3 principles when thinking about AI in an organization?
* How does socio-technological challenge must be addressed?
* What does holistically means?

1. **DEDA framework**

**3a What is DEDA framework?**

The Data Ethics Decision Aid for researchers is focused on making the dilemma of ethical decision-making explicit. The framework helps researchers reflect and justify their data-related decisions on ethical issues concerning data. DEDA is a survey that states a series of open questions. DEDA can be used at any time during a research project. The questions stated in the survey simply function to increase awareness of certain ethical issues and help the researcher record their decision-making process.

Please download DEDA framework by clicking this link.

Please download DEDA handbook by clicking this link.

**3b. Answer questions related to DEDA:**

* What are the steps of DEDA framework?
* What is the aim of using such framework?

1. **Debate on Ethical Decision – Making.**

4a. Read chapter: “Ethical Decision-Making”

4b. Conduct additional online research to find sources that related to this topic.

4c. Prepare “for” arguments and “against” arguments for the debate.

**Topic of the debate: It is always possible to ensure ethical decision-making in an AI era.**

**Data Lab 1:**

1. **Introduction**

At the first part of DataLab 1 you will participate in the debate: It is always possible to ensure ethical decision-making in an AI era. During the second part of the day, you will have a chance to work on the creative brief. At the end of the day, from 16:00 to 17:00, we will have a moment to reflect on DataLab 1 and ask questions during the Q&A.

1. **Debate**

During the Data Lab you will be divided into the groups to prepare for the debate. Together with your groupmates you will develop for and against arguments and plan how to deliver your arguments for the topic of the debate.

The groups for the debate will be selected randomly and will present their prepared for and against arguments: one group will present their “for” arguments and another their “against” arguments. The rest of the students at the end will vote to choose who is the winner of the debate.

**The schedule of debate:**

09:30 – 11:00 – preparation for the debate

11:00 – 12:00 - debate

Day 2:

1. **Introduction**

During today’s self –study day you will learn several concepts associated with ethics and law in the field of Artificial Intelligence and Data Science. You begin your day with learning how to make statistical decisions ethically and later on you will explore the The General Data Protection Regulation (GDPR) and The Assessment List on Trustworthy Artificial Intelligence.

If you have questions regarding the study material, you can send us an email or attend the Q&A session at the end of each self-study day. During the Q&A session, we will extensively discuss the independent study material. For details on availability see Project Brief.

1. **Ethical Guidelines for Statistical Practice**

**2a Read an Ethical Guidelines for Statistical Practice**

**2b Answer questions related to the Ethical Guidelines for Statistical Practice**

**-** What do professional Integrity and accountability of an ethical statistician should include?

- What are the responsibilities of an ethical statistician to other statisticians or statistics practitioners?

- What are responsibilities of an ethical statistician to research team colleagues?

**3. GDPR**

The General Data Protection Regulation (GDPR) is a European data privacy and security law for organizations around the world. The regulations were launched on May 25, 2018. The law fines those who breaks privacy and security standards with penalties reaching millions euros.

**3a Watch the the TEDx Exeter by Madhumita Murgia**

**https://www.youtube.com/watch?v=AU66C6HePfg**

**3b  Answer questions below:**

* **What can you do to protect your data?**
* **What was the main point of this TED talk?**

**3c Watch the video**

**https://www.youtube.com/watch?v=acijNEErf-c&t=14s**

-Why companies were sending emails to people?

- For what data companies need a consent from people?

- Which organization can hold your data without “a right to be forgotten”?

**3d Read Chapters 2 & 3 of the General Data Protection Regulation.**

**3e Answer questions below**:

* Should the controller provide the details of the data protection officer?
* What are the Principles relating to processing of personal data?
* What are the conditions for consent?
* What does right to data portability means?

Day 3.

1. **Introduction**

During today's self-study day you will be busy with preparing for tomorrow’s debate and continue learning ethical aspects of AI.

If you have questions regarding the study material, you can send us an email or attend the Q&A session at the end of each self-study day. During the Q&A session, we will extensively discuss the independent study material. For details on availability see Project Brief.

1. **Debate on Responsible AI.**

4a. Read chapters: “Can AI systems be ethical?” & “Ensuring Responsible AI in Practice”

4b. Conduct additional online research to find sources that related to this topic.

4c. Prepare “for” arguments and “against” arguments for the debate.

**Topic of the debate: Ensuring Responsible AI** **is unrealistic.**

**Data Lab 2:**

1. **Introduction**

At the first part of DataLab 1 you will participate in the debate: It is always possible to ensure ethical decision-making in an AI era. During the second part of the day, you will have a chance to work on the creative brief. At the end of the day, from 16:00 to 17:00, we will have a moment to reflect on DataLab 1 and ask questions during the Q&A.

1. **Debate**

During the Data Lab you will be divided into the groups to prepare for the debate. Together with your groupmates you will develop for and against arguments and plan how to deliver your arguments for the topic of the debate.

The groups for the debate will be selected randomly and will present their prepared for and against arguments: one group will present their “for” arguments and another their “against” arguments. The rest of the students at the end will vote to choose who is the winner of the debate.

**The schedule of debate:**

09:30 – 11:00 – preparation for the debate

11:00 – 12:00 - debate