

Week 10

1. Which of the following are challenges faced by AI in the current era? (Select all that apply)
 - a. AI systems being biased
 - b. AI models requiring zero human intervention
 - c. AI systems being completely unbiased
 - d. AI models being trained on harmful data
 - e. AI systems always making ethical decisions
 - f. AI systems using transformer models
2. What does the abbreviation "AGI" stand for?
 - a. Artificial General Intelligence
 - b. Automated Guided Interface
 - c. Artificial General Information
 - d. Artificial Geospatial Intelligence
3. Which of the following best describes one of the possible definitions of AGI?
 - a. AI systems that are limited to specific tasks
 - b. AI models trained for basic automation
 - c. AI systems surpassing human intelligence.
 - d. AI systems which show high training accuracy
4. Which of the following are potential challenges associated with AGI? (Select all that apply)
 - a. Chaotic power struggles
 - b. Utilization for selfish and short-term objectives
 - c. Guaranteed long-term global stability
 - d. Universal agreement on AGI's ethical use
 - e. Potential misuse by a few for personal gain
 - f. Complete elimination of bias in decision-making
5. What is considered the ideal way to balance the development of AI models?
 - a. Ensuring a safety-performance trade-off
 - b. Maximizing performance without considering safety
 - c. Focusing solely on safety at the expense of performance
 - d. Ignoring both safety and performance to expedite development

6. What should governments primarily focus on concerning AI systems at present?
- a. How to eliminate AI research entirely
 - b. How to encourage unrestricted AI development without regulations
 - c. How to ignore AI advancements altogether
 - d. **How to govern these AI systems and make them safe**

7. What are the primary focuses of the EU AI Act? (Select all that apply)
- a. **Regulating the use of AI to ensure safety, transparency, and accountability**
 - b. **Banning all forms of AI development in Europe**
 - c. **Promoting the unregulated use of AI across all sectors**
 - d. **Requiring all AI systems to be open-source and publicly accessible**
 - e. **Banning systems with cognitive behavioral manipulation of people or specific vulnerable groups**

8. What does the abbreviation "GDPR" stand for?
- a. Global Data Privacy Regulation
 - b. General Data Protection Rule
 - c. **General Data Protection Regulation**
 - d. Global Data Protection Requirement

9. Which of the following is a way to protect personal data?
- a. **Giving people more power over their data**
 - b. Allowing unrestricted access to personal data
 - c. Reducing transparency in data usage
 - d. Increasing the collection of personal data without consent

10. What is one challenge even after training a model on unbiased data?
- a. **Implicit bias may still exist in the model**
 - b. No challenge, model will be completely free of any bias
 - c. The model will exhibit perfect performance in all scenarios
 - d. The model will have issues related to data processing

11. Among the following, which type of biased system is considered particularly harmful?
- a. **Decision systems**
 - b. Recommendation systems
 - c. Entertainment systems
 - d. Weather forecasting systems