



Addressing Issues in AI Ethics and Governance

Learn about ethical AI issues such as data privacy, biasness, fairness, explainability and how they relate to the notion of good AI governance.

Part 1 Ethics in Data Processing

- Ethical considerations in the data science life cycle
- Ethical implications and responsibilities in data processing
- Techniques in combating bias in data



Cong Gao
Head, Division of Data
Science, CCDS, NTU

Prof Cong Gao's current research interests lie in spatial data management, machine learning for data management, spatial data mining and smart city, recommendation and social media mining, data mining and large scale data analytics.

Part 2 Business Liability and Ethics in AI Usage

- AI solution design methodologies that incorporate ethics
- Concepts of fairness and how to quantify fairness
- Importance and techniques to implement fair and privacy-preserving AI solutions



Yu Han
Assoc Prof, CCDS, NTU

Prof Yu Han specializes in trustworthy federated learning and is experienced in deploying various AI solutions to the industry



Weng Jianshu
Head of Data Science,
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Dr Weng Jianshu has extensive experience working on industrial AI systems involving privacy-preserving technologies.

Part 3 Governance for AI Explainability

- Differences between explainable and black-box machine learning models
- Techniques for AI explainability
- How to establish an AI governance framework for ethical AI deployment



Kwong Yuk Wah

Dr Kwong Yuk Wah led the Singapore Computer Society (SCS) AI Ethics and Governance initiative from 2020 to 2022 and accomplished a few achievements which include the launch of the world's first AI Ethics Body of Knowledge and SCS-NTU AI Ethics Certification for professionals.