Dr. Humera Noor Minhas

W3C*

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Director of Engineering | eyeo

Implementing Ethical AI

Lots of questions and a few answers

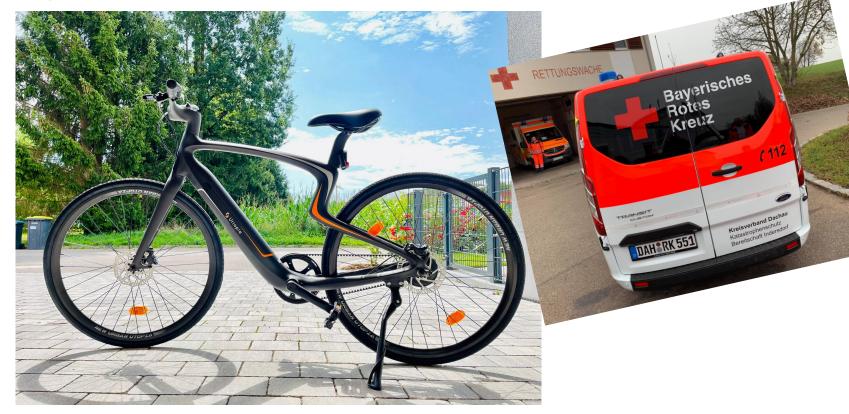
★ W3C TPAC 2023, Seville, 11–15 September ★



2023

No.

My e-bike accident





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We have the ML guidelines available: https://www.w3.org/TR/webmachinelearning-ethics/



It starts with our values

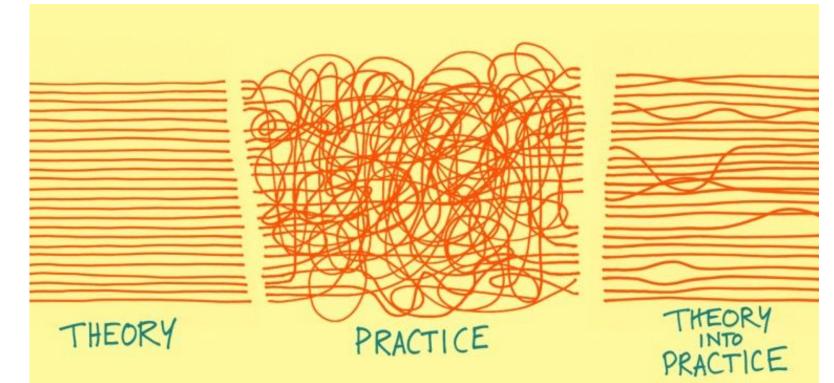




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Putting theory into practice



W3C Operationalization Guidelines

Putting the Principles into Practice

- ICO^{*} AI and data protection risk toolkit
- Risk assessment

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• Workshop Templates



Open Questions

- Workshop(s)?
 - How many? Who? When?
- Al Ethics: Engineering or a Product problem?
- Ethics by design: how-to?
- Data collection: consent?
- Sustainability?
- Open source vs closed-software?
- Compliance with Current regulations? Upcoming regulations?
- Privacy and security?
- Plan for a "kill switch"?

Discovery	Analysis	Development	Introduction	Growth & Maturity & Decline	Post Mortem
Marty Cagan's product risk dimensions DEI and Ethics Team Analysis DEI and Ethics Workshops	Al Business Model Canvas Code of Ethics Data Sheets for DataStes	Model Cards Input / Output Validation	Review Meeting every 4-6 weeks including Customer success and compliance officer Monitoring of Input/ Output Validations	Quarterly Review of Ethical questions Update of Impact Mapping	Post Mortem Analysis Assignment of post- mortem custodian
Is this problem best solved with AI? How does AI add value to our users? Do we have the skills to build an AI product Scientist • Anchine Learning Researcher • Anchine Learning Researcher • Anchine Learning Researcher • Data Engineers • Data Scientist • Data Scientist • Product Manager • Product Manager	<text><text><text><text><text><text></text></text></text></text></text></text>	<text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text>	<text><text><text><text><list-item><list-item><text><text><text><text><text><text><text></text></text></text></text></text></text></text></list-item></list-item></text></text></text></text>	<text><text><text><text><text><text></text></text></text></text></text></text>	Is there value in keeping the model accessible, or is it better for humanity to delete the code?



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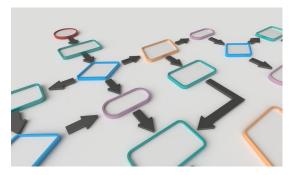
Recommendations



Share Knowledge



Define Ownership



Establish Processes



What's Next?

- Breakout session:
 - Ethical AI in a Rapidly Evolving Landscape deep dive
 - Ecija 1st floor
 - AI Tomorrow, 12:15–13:15 CET
 - Chat:
 - <u>https://irc.w3.org/?channels=%23ethical-ai</u>
- Zoom:
 - <u>https://w3c.zoom.us/j/89661535795?pwd=a3poTktTeFk5YkJTVTINZlo0OXkyQT09</u>
- Beyond TPAC:
 - <u>h.minhas@eyeo.com</u>
 - <u>https://www.linkedin.com/in/humeranoor/</u>