Rapid technological Change
Making Good AI
Prevent Harm
Promote Good

Commission on Science and Technology for Development

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Computing and Ethics

- Last century’s software Crisis
  - Banks, Bills, Calculator, Military,…
  - Computer Mistakes, Bugs, and Bad people

- Make it “Software ENGINEERING”
  - STANDARDS to Work responsibly killing bugs
  - Strive to act/work responsibly
  - Ethical/professional standard: Codes of Ethics

- Increasing impact on our lives
  - Still a tool, but one that matters
Ethics: any decision I make that impacts individuals, groups, society, and its citizens.

AI can make decisions then:
- AI systems are doing ethics
- We must control them so they act ethically
- AI must have a code of ethics
- AI must follow ethical principles
We need AI ethics codes

◼ No one has ever thought of this before, so I must do it myself

◼ What happens when everyone says this??

20 Julio 2017
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We need AI Ethics Codes

- No one has ever thought of this before, so I must write my own code
- The EU, Microsoft, The Southern Baptists and others just developed their own local AI Ethics Standards.
- Good to have lists but we need something more.
Ethical AI - like having a different defibrillator on every wall
Ethical AI- some problems

- AI are Not ethics, ETHICING
- Not A new problem: ignoring research repeats mistakes
- False Dichotomy: A is ethical, B is not ethical
  - Index certification checkbox, 2167A
  - Need guidance how to navigate a messy world
- Making infinite unique “Codes of Ethics” is dangerous
AI Codes of Ethics harmful??

- Too many unnecessary diverse documents.
- Computing is universal
- Compliance model **frames out** ethics
  - Skill training is the answer
- Unworkable canonical models
Some suggestions to make Codes useful

- Begin the conversation with common principles
  - Don’t use AI to support new socio-cultural divides.
  - Emphasize intercultural rather than Multicultural

- Frameworks:
  - Extended stakeholders

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Consider Extended Stakeholders

- Minimal set of questions: Ask whose…
  …behavior and work process will be affected?
  …circumstances or job will be affected?
  …experiences will be affected?
Some suggestions to Make Codes useful

- Begin the conversation with common principles
  - Don’t use AI to support new socio-cultural divides.
  - Emphasize intercultural rather than Multicultural

- Frameworks:
  - Extended stakeholders
  - Make a “Never do” list
  - Proactive ethical risk identification tool- document process

- If can’t monitor or predict than DO NOT RELEASE
Code of Ethics for good people

- Aspirational Codes with flexibility
- Develop tools to help analyze changing situations
- Policy about:
  - Proactive ethical risk analysis
  - Documenting and monitoring risk analysis
    - Continued deployment only if meeting these tests
  - All checkbox reviews require explanatory support for item checked.
  - Transparency- What and Why
How do I use this?

- Recognize Complexity

- Need training and oversight for special cases

- AI is not ethical, but it can perform in a positive ways when directed and enforced by us and software.

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