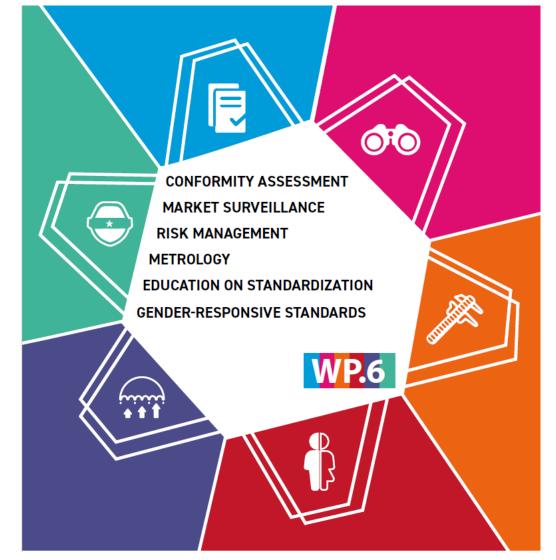
Gender Considerations

Ensuring Everyone can Benefit from AI

Michelle Parkouda, Ph.D. Chair, Team of Specialists – Gender-Responsive Standards

UNECE – <u>Working Party 6</u> 24/11/2023, Geneva

Working Party on Regulatory Cooperation and Standardization Policies



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Concerns about Bias in AI are not New...

IEEE Spectrum FOR THE TECHNOLOGY INSIDER

ARTICLE | HISTORY OF TECHNOLOGY

Untold History of AI: Algorithmic Bias Was Born in the 1980s > A medical school thought a computer program would make the admissions process fairer—but it did just the opposite

BY OSCAR SCHWARTZ | 15 APR 2019 | 4 MIN READ |

"Safety issues do not distinguish between men and women, hence when writing our requirements, we do not need to distinguish whether a man or a woman shall be protected."

"We are working on technical products/issues. Our products are neither male nor female nor diverse."



DECLARATION FOR GENDER RESPONSIVE STANDARDS



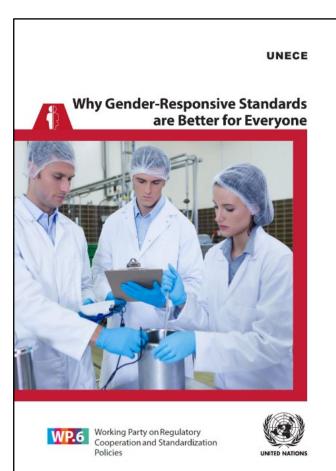
The Gender Declaration

The **Declaration**, "acknowledge[s] that representation of women in standards development is almost always below parity and that the outcomes for men and women are not explicitly addressed during the standards development process."

Why Gender Matters for Standards

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Gender Considerations with Al

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Algorithmic Bias

Misuse of Technology

User Uptake

Algorithmic Bias

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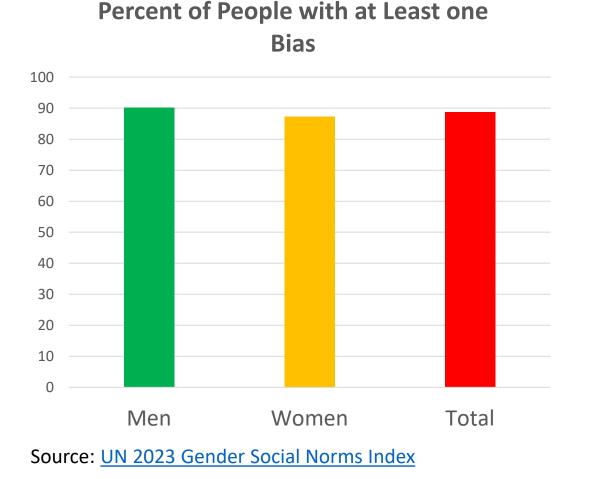
"Algorithmic bias occurs when algorithms make decisions that systematically disadvantage certain groups of people."

-- Simon Friis & James Riley

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AI Reflects Society

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"[Algorithmic bias is not a glitch.] A glitch suggests something temporary that can be easily fixed. I'm arguing that racism, sexism and ableism are systemic problems that are baked into our technological systems because they're baked into society. It would be great if the fix were more data. But more data won't fix our technological systems if the underlying problem is society."

-- Meredith Broussard

Misuse of Technology

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LOCAL NEWS >

New Jersey high school students accused of making AI-generated pornographic images of classmates



BY TIM MCNICHOLAS UPDATED ON: NOVEMBER 2, 2023 / 7:32 PM EDT / CBS NEW YORK

Tech Abuse

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- In Canada, the Smart home market technology penetration rate was 32% in 2022 and is expected to increase to 69% by 2028.
- In Canada, women and girls account for 7 out of 10 victims of family violence.
- A study from the UK found that 48% of domestic abuse included technology-facilitated abuse in 2017.

REFINERY29

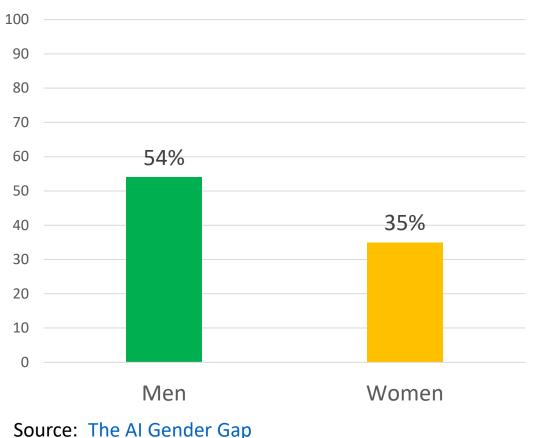
How Smart Home Systems 운 Tech Have Created A New Form Of Abuse

Designed to make life easy, web-connected devices are being used against women to harass, track, and even lock them in their own homes.

TAKARA SMALL

JANUARY 9, 2019, 8:21 A.M.

User Uptake



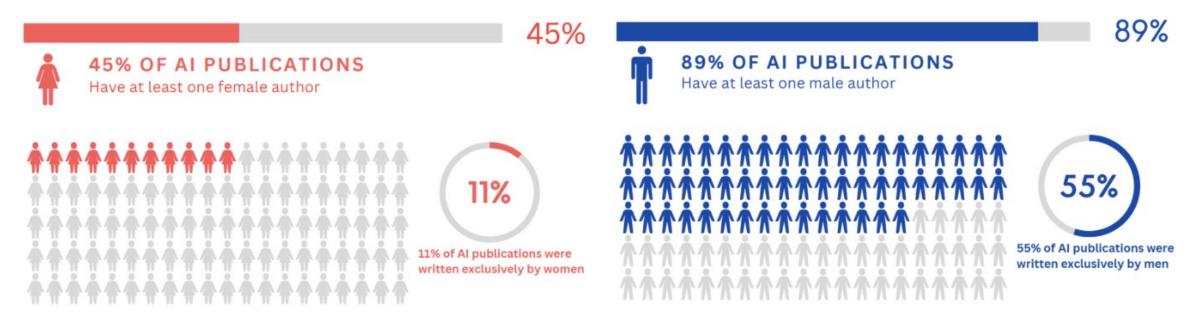
Gender Differences in Usage of AI

If women are not using the technology, then even when it can help to alleviate the gender gap, they may not realize those benefits.

Importance of Representation

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Authorship of AI Publications in Academic Journals, Globally by Gender, 2022

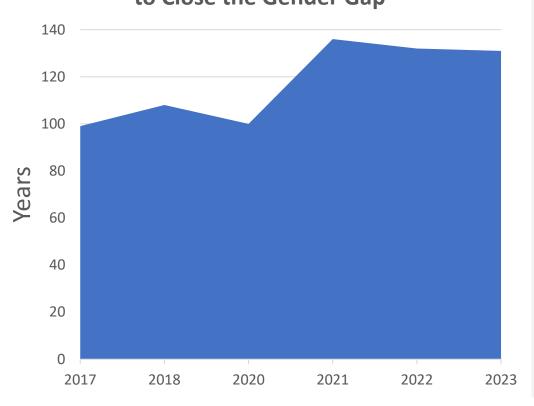


Source: OECD

Closing the Gender Gap

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World Economic Forum Estimate of Years to Close the Gender Gap



"Women and girls account for half the world's population and therefore represent half of its potential. Gender equality is central to all areas of a healthy society, from reducing poverty to promoting health, education, welfare, and wellbeing of girls and boys. Reducing the gender gap promotes economic development. Societies are unable to unlock their potential and meet the challenges of rapid economic and technological change without harnessing the skills and ideas of their entire population."

-- World Bank Group & World Trade Organization

Merci ありがとうございました Hvala Ačiū Mahalo Дякую Teşekkür ederim شكرا جزيلا Dankon ^{ඔබට ස්}තුතියි Sagbol Рахмат Ευχαριστώ Dziękuję Ci Tack Çox sağ ol Obrigado 감사합니다 მადლობთ धन्यवाद תודה Dankon Баярлалаа Hatur nuhun Хвала вам Tak skal du have Diolch Paldies Спасибо Go raibh maith agat Faleminderit Rahmat Dank je Рахмат сага Faafetai Grazzi Благодаря ти Ačiū Multumesc Danke Grazie សមអរគណ 谢谢 Takk skal du ha Շևորհակալություն Gracias Þakka þér fyrir Aitäh Dankie **Salamat** Дзякуй Köszönöm Děkuji Ви благодарам ধন্যবাদ Asante Gràcies Thank you **Kiitos**

Michelle Parkouda, Ph.D. Chair, Team of Specialists – Gender-Responsive Standards

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