

# Amazon Rekognition Should Diversity Data and Strengthen Management



amazon Rekognition

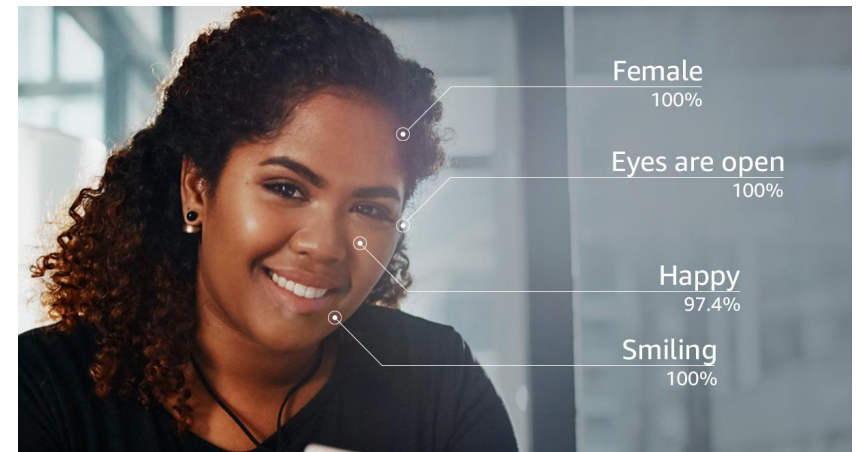
Lucy Cui

# Amazon Rekognition

Computer vision (CV) capabilities

Extract information and insights from your images and videos

- ◆ Face compare and search
- ◆ Face detection and analysis
- ◆ Celebrity recognition



# Menu

- Ethical issues
- Recommendations
- Decision-making

# Bias & Discrimination

- ◆ Gender
- ◆ Race
- ◆ People with headgear
- ◆ Age

# Privacy

- ◆ Used by law enforcement agencies
- ◆ Surveillance apparatus
- ◆ Body cameras
- ◆ Intrude privacy
- ◆ Abuse human rights



# Safety

- ◆ Systems breached in 20 minutes
- ◆ Identify the host as Schwarzenegger
- ◆ Database
- ◆ Unique biometric data is at risk

# Recommendations

- ◆ Diversify training data, regularly test for bias
- ◆ Limit access
- ◆ Provide ethical guidelines, get consent
- ◆ Implement firewall, encryption
- ◆ Train employees



# Decision making

- ◆ Lack of careful consideration
- ◆ Bias in collecting data
- ◆ Poor usage management
- ◆ Imperfect system



# Conclusion

# Reference

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# THANKS

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