Potential Application

Computing & ML
- Micro-expression **spotting and recognition**.
- **Cross-cultural** emotion analysis.
- **Multimodal** training.
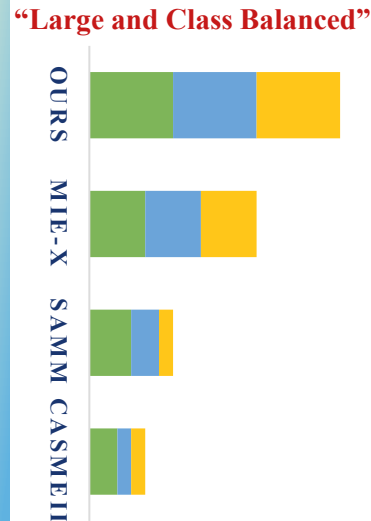
Clinical & Education
- Assist on emotional cues for **treatment**.
- Support studies in **nonverbal communication**.
- **Animation** and virtual environment development.

Business & Job Hunt
- Capture consumers **hidden reactions**.
- Detect subtle emotion **in interview**.
- **Fair human resources practices** and performance evaluations.
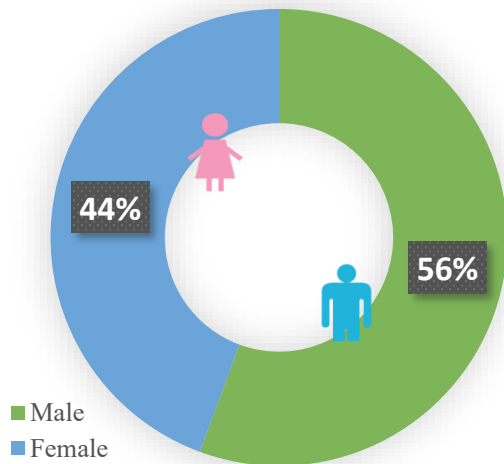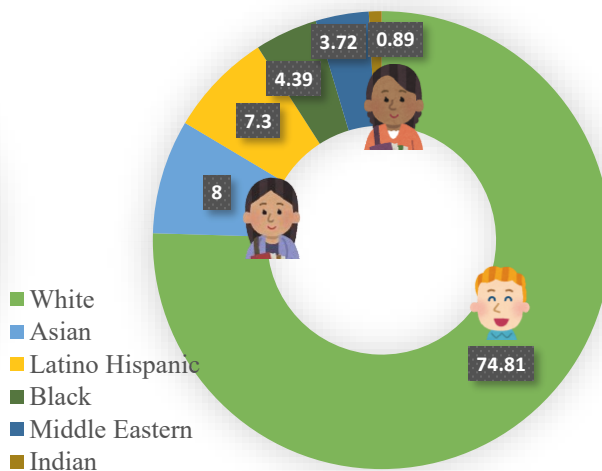
Dataset size

"Large and Class Balanced"

OURS
MIE-X
SAMM
CASMEII

Potential Risk & Mitigation

"Adversarial sticker against emotion leakage."

Attack Result:

Attack Result:

Demographic

Gender Distribution

44%
56%

- Male
- Female

Race Distribution

3.72 0.89
4.39
7.3
8
74.81

- White
- Asian
- Latino Hispanic
- Black
- Middle Eastern
- Indian

Age Range Distribution

3% 11%
16%
70%

- 20-30
- 31-40
- 41-50
- 51-60