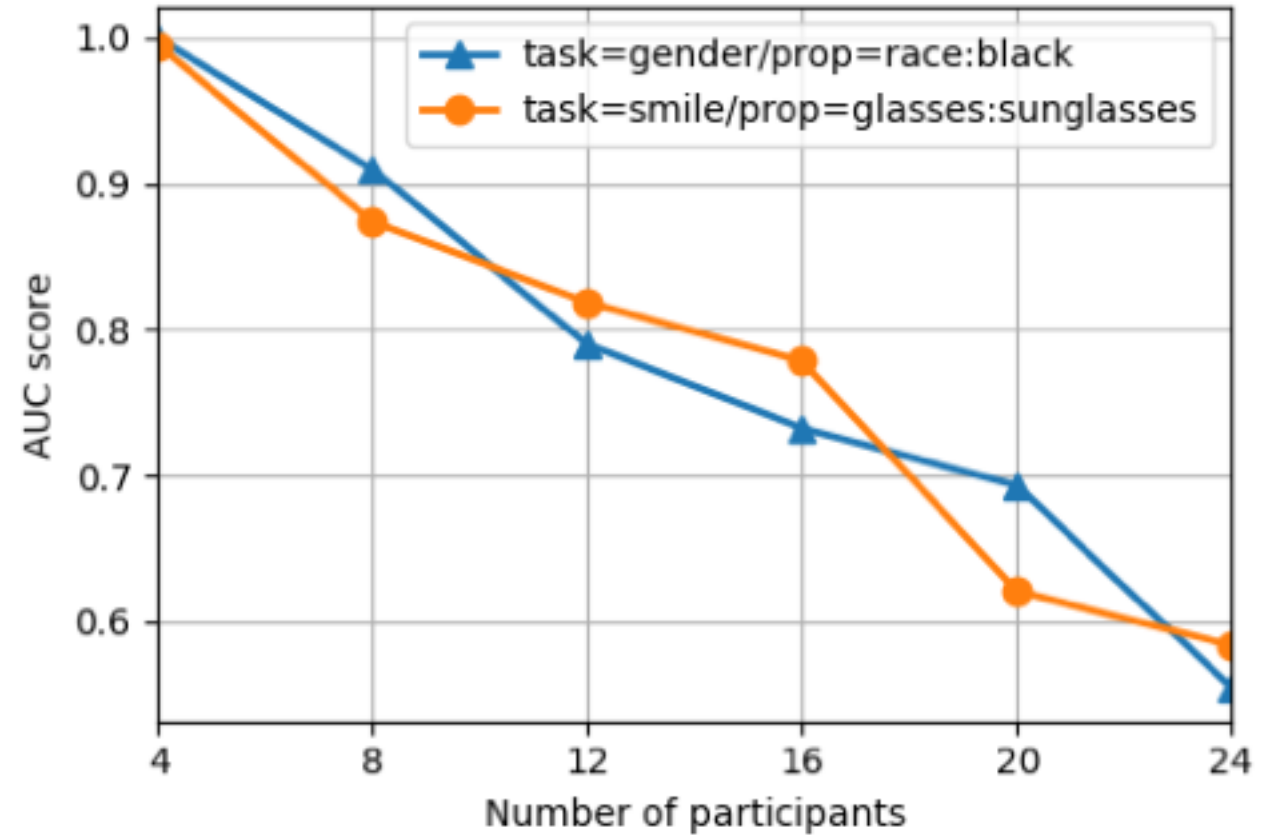


# Property Inference on LFW

Main Task	Inference Task	Correlation	AUC score
Gender	Sunglasses	-0.025	1.0
Smile	Asian	0.047	0.93
Age	Black	-0.084	1.0
Race	Sunglasses	0.026	1.0
Eyewear	Asian	-0.119	0.91
Hair	Sunglasses	-0.013	1.0

Two-Party

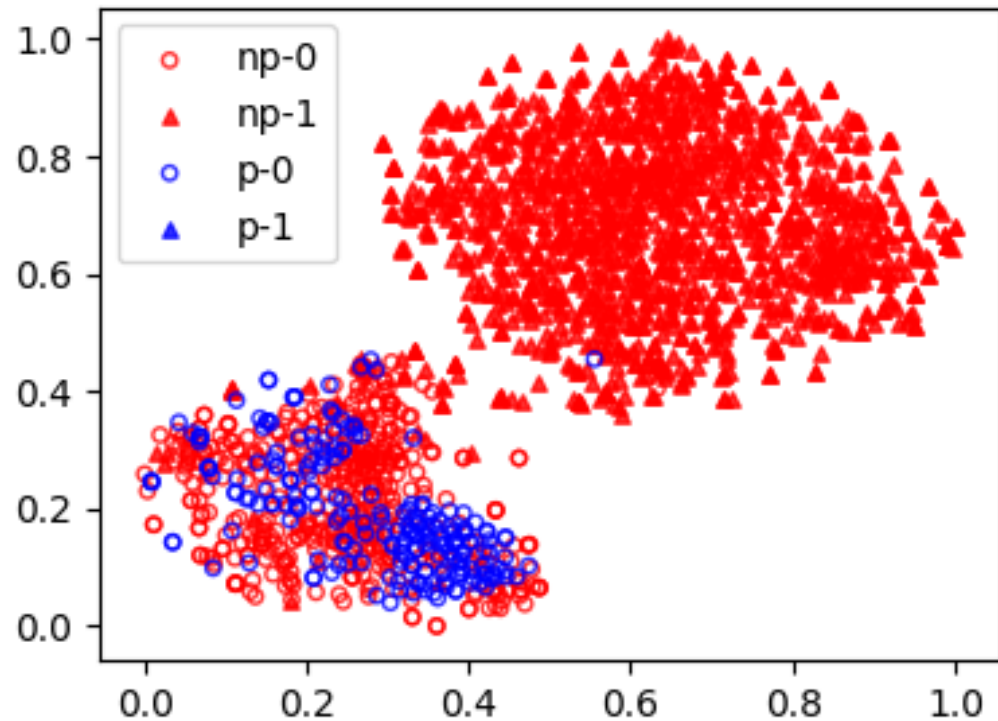


Multi-Party

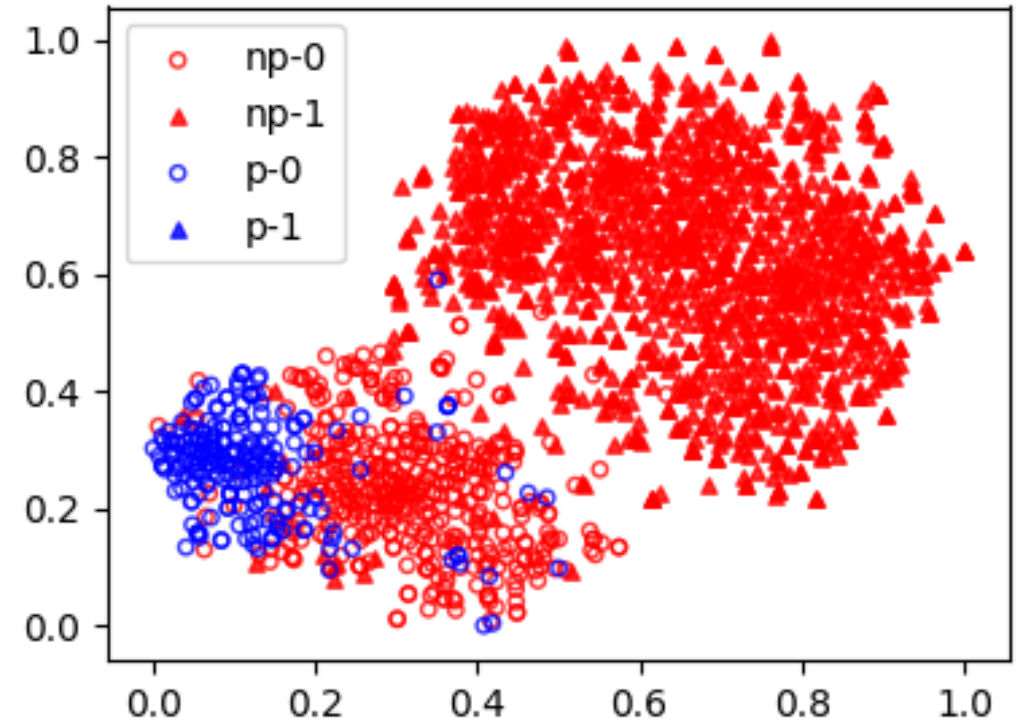
# Passive vs Active Attack on FaceScrub

Main Task: ▲/● = female/male

Inference Task: Blue points with the property (identity)



Passive attack



Active attack