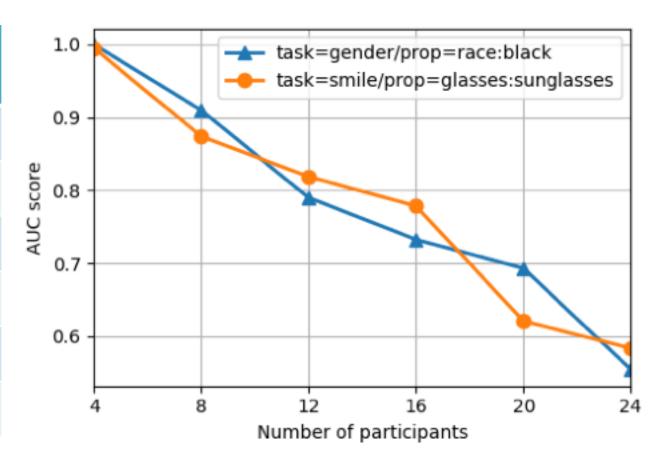
Property Inference on LFW

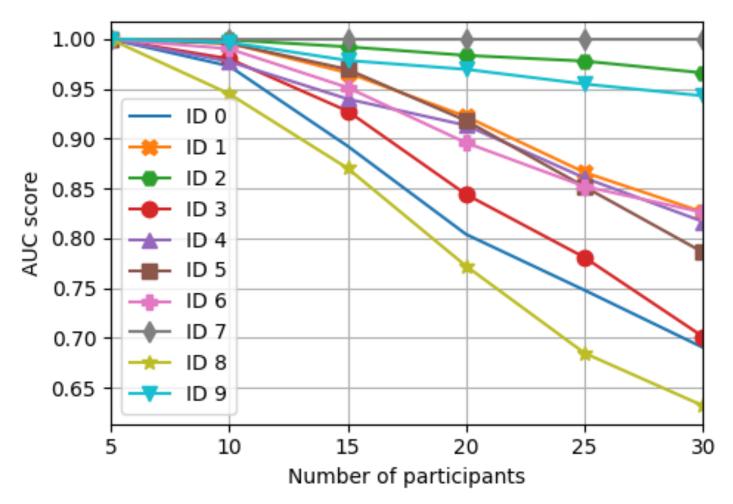
| Main Task | Inference Task | Correlation | AUC score |
|-----------|-------------------|-------------|--------------|
| Gender | Sunglasses | -0.025 | 1.0 |
| Smile | Asian | 0.047 | 0.93 |
| Age | Black | -0.084 | 1.0 |
| Race | Sunglasses | 0.026 | 1.0 |
| Eyewear | Asian | -0.119 | 0.91 |
| Hair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



Two-Party

Multi-Party

But...



Yelp Review: target = review score, property = authorship