





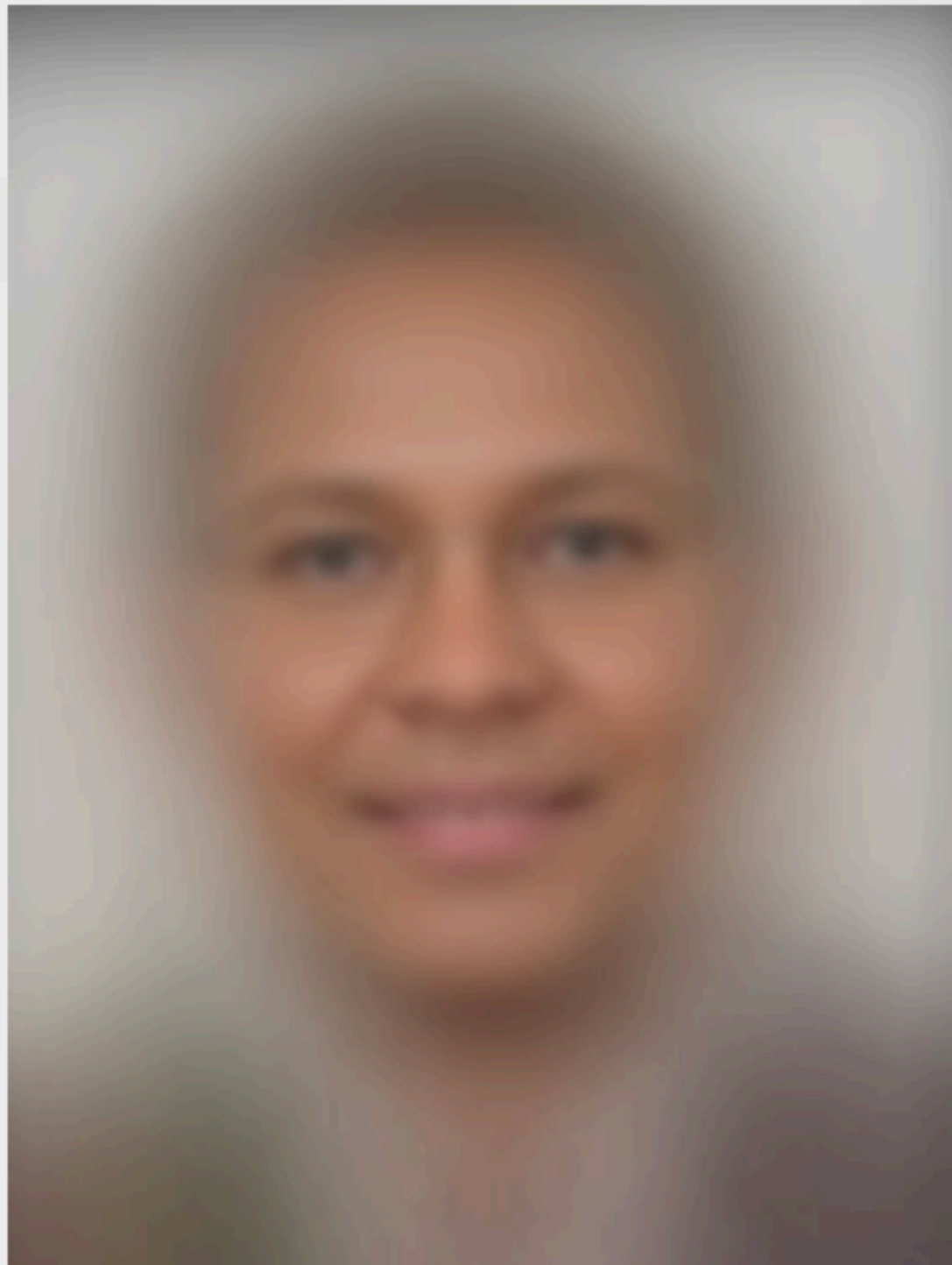



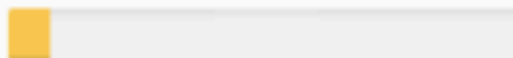



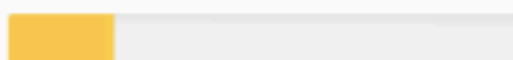





Gender Classifier	Overall Accuracy on all Subjects in Pilot Parlaiments Benchmark (2017)
 Microsoft	93.7% 
 FACE++	90.0% 
 IBM	87.9% 



Disparities in Gender Classification

Buolamwini, J., & Gebru, T. (2018, January). Gender shades: Intersectional accuracy disparities in commercial gender classification. In Conference on fairness, accountability and transparency (pp. 77-91).

Gender Classifier	Female Subjects Accuracy	Male Subjects Accuracy	Error Rate Diff.
 Microsoft	89.3% 	97.4% 	8.1% 
 FACE++	78.7% 	99.3% 	20.6% 
 IBM	79.7% 	94.4% 	14.7% 