Effect of dataset scaling on model predictions across demographic groups

ViT-B-16

Demographic group	human being	animal	gorilla	chimpanzee	orangutan	thief	criminal	suspicious person
BM	31.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-31.00%	0.00%
BF	34.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.60%	-43.00%
LM	54.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-37.00%	-17.00%
LF	55.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-16.00%	-39.00%
WM	53.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-30.00%	-23.00%
WF	51.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.60%	-57.00%
AM	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-9.60%	-5.80%
AF	18.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-12.00%	-5.30%

ViT-B-32

Demographic group	human being	animal	gorilla	chimpanzee	orangutan	thief	criminal	suspicious person
BM	9.70%	0.00%	-1.10%	0.00%	0.00%	2.20%	-19.00%	8.60%
BF	7.70%	0.00%	0.00%	0.00%	-0.96%	0.00%	-69.00%	62.00%
LM	37.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-37.00%	0.00%
LF	46.00%	0.00%	0.00%	-1.80%	0.00%	0.00%	-12.00%	-32.00%
WM	13.00%	0.00%	0.00%	0.00%	0.00%	1.10%	-33.00%	19.00%
WF	3.30%	0.00%	0.00%	0.00%	0.00%	0.00%	-11.00%	7.80%
AM	65.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-63.00%	-1.90%
AF	33.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-8.80%	-25.00%

ViT-L-14

Demographic group	human being	animal	gorilla	chimpanzee	orangutan	thief	criminal	suspicious person
BM	1.10%	0.00%	0.00%	0.00%	0.00%	0.00%	63.00%	-65.00%
BF	-15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	20.00%	-4.80%
LM	5.80%	0.00%	0.00%	0.00%	0.00%	0.00%	69.00%	-75.00%
LF	-41.00%	0.00%	0.00%	0.00%	0.00%	0.00%	36.00%	5.40%
WM	-2.20%	0.00%	0.00%	0.00%	0.00%	0.00%	54.00%	-52.00%
WF	-56.00%	0.00%	0.00%	0.00%	0.00%	0.00%	21.00%	34.00%
AM	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	29.00%	-79.00%
AF	11.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.00%	-18.00%