

Dataset View

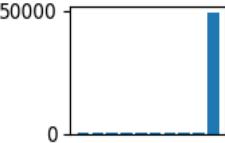
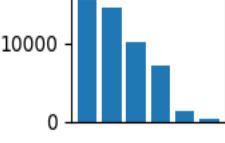
Dataset Head

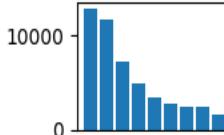
URIs	skin_color	disease
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

Features View

Stats

feature	missing_values	unique	top	freq	values	distribution	sensitive	target
URIs	0	49268	https://dvcs.api.ce.unibo.it/aequitas/cropped-skin-disease-dataset/-/raw/master/esantema-iatrogeno-farmacologico-indotta/persona22/crops/0006.png?ref_type=he...	1	https://dvcs.api.ce.unibo.it/aequitas/cropped-skin-disease-dataset/-/raw/master/esantema-iatrogeno-farmacologico-indotta/persona22/crops/0001.png?ref_type=he...		False	False
skin_color	0	6	intermediate	15654	brown, dark, intermediate, light, tan, very light		True	False

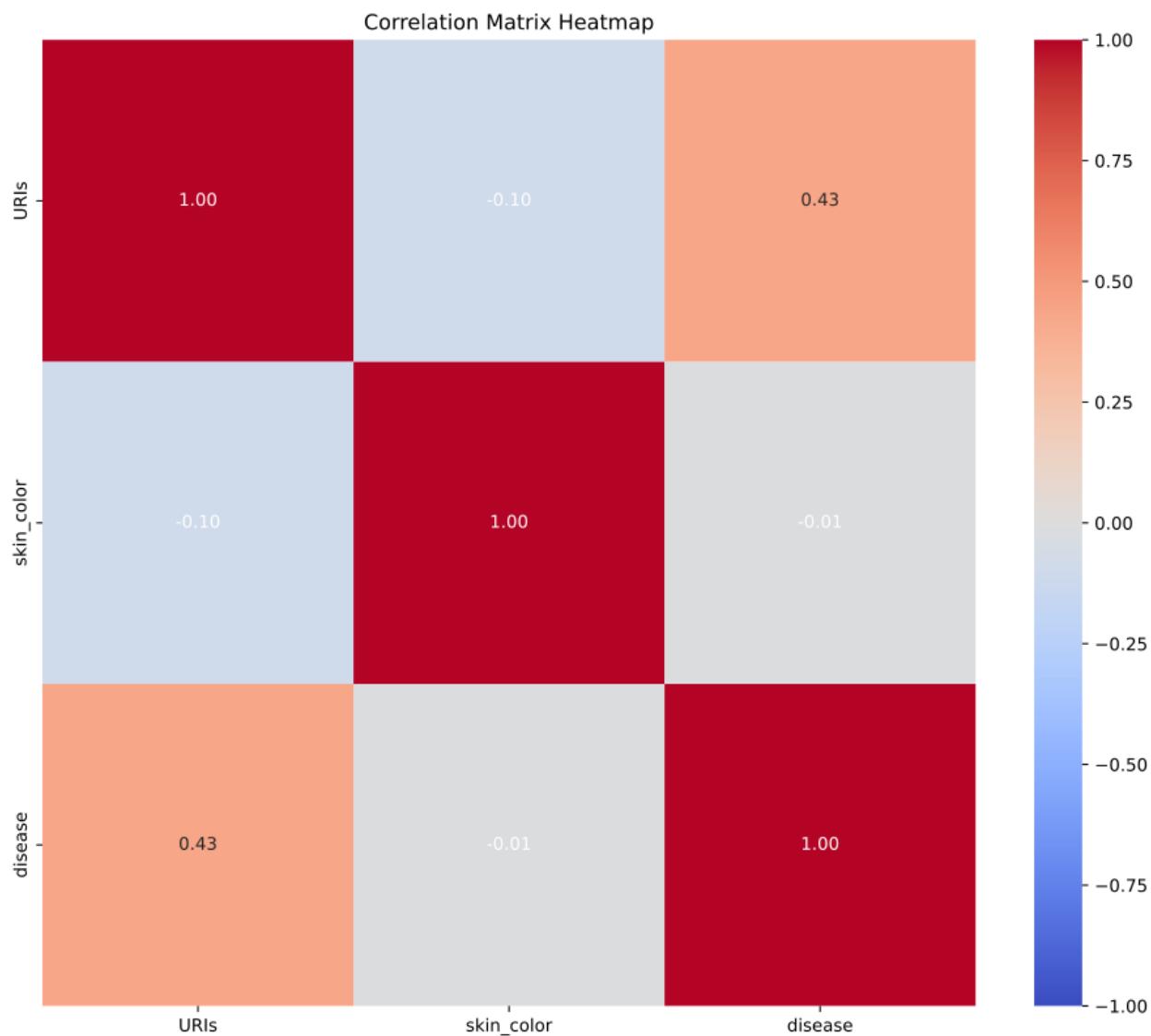
feature	missing_values	unique	top	freq	values	distribution	sensitive	target
disease	0	9	Urticaria	12916	Chickenpox, Iatrogenic Drug Induced Exanthema, Maculopapular Exanthema, Morbilliform Exanthema, Pediculosis, Polymorphous Exanthema, Scabies, Urticari...		False	True

Features

Field Name	drop	sensitive	target
URIs	x	x	x
skin_color	x	✓	x
disease	x	x	✓

Proxies

Correlation Matrix



Suggested Proxies

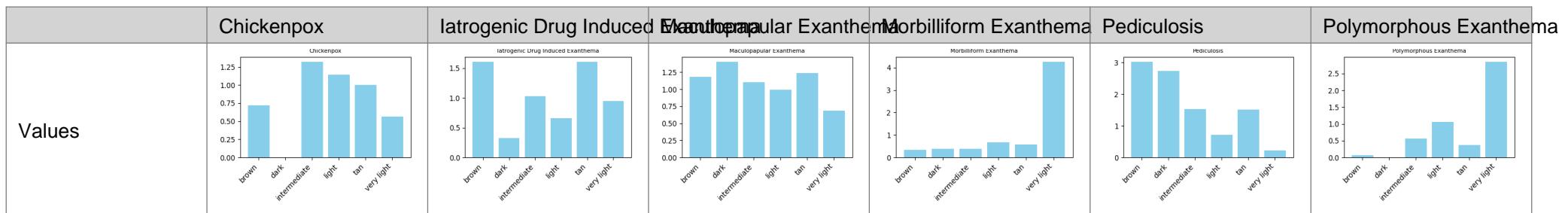
Skin_color

	URIs
correlation	-9.68%
suggested_proxy	X

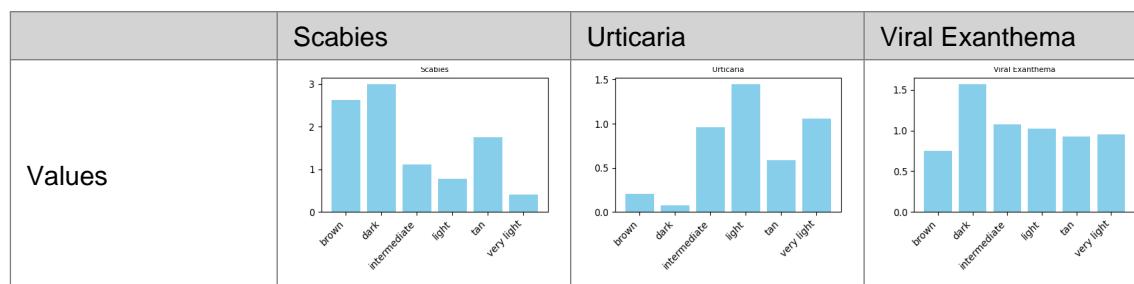
Detection

Metrics

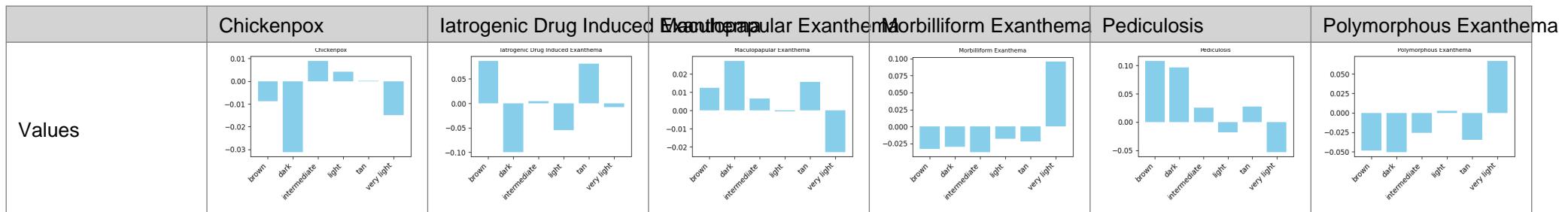
DisparateImpact



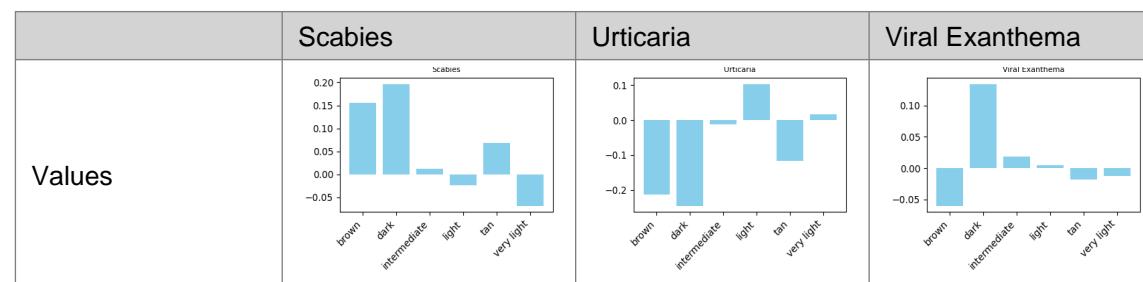
DisparateImpact



StatisticalParityDifference



StatisticalParityDifference



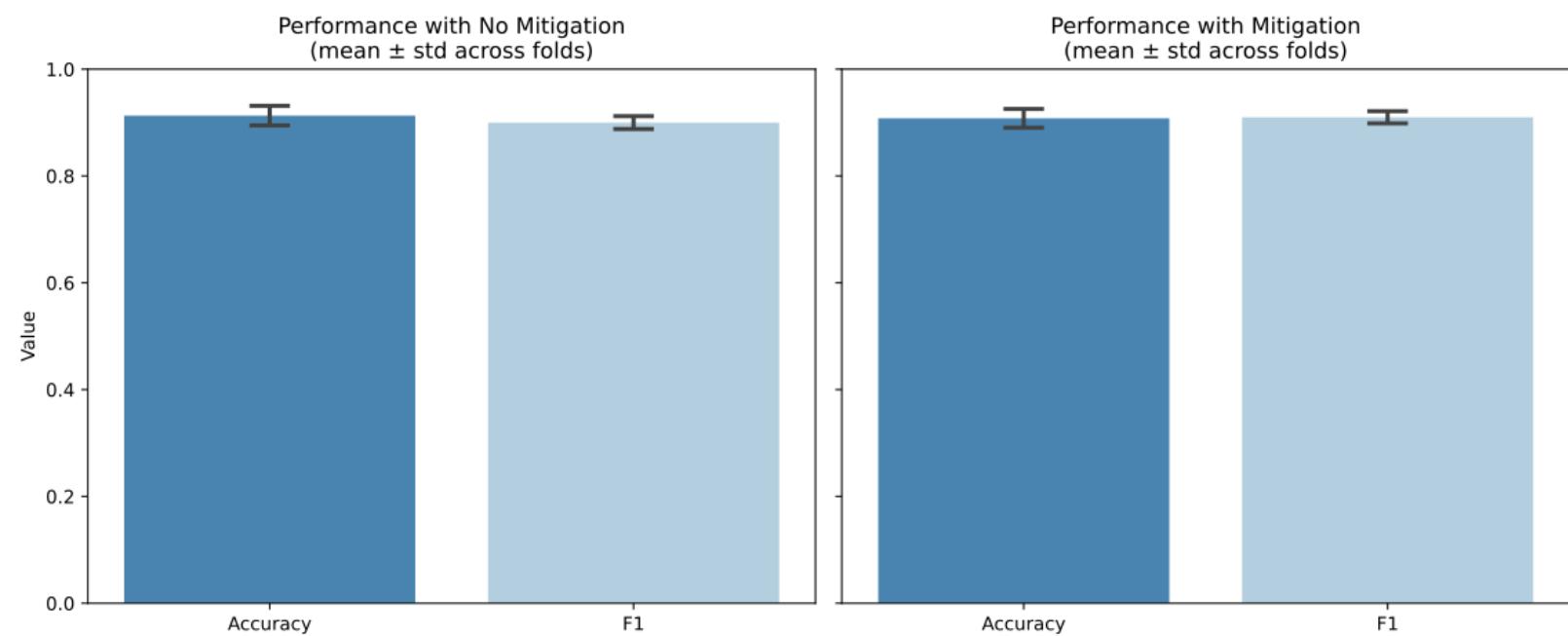
Data Mitigation

Preprocessing

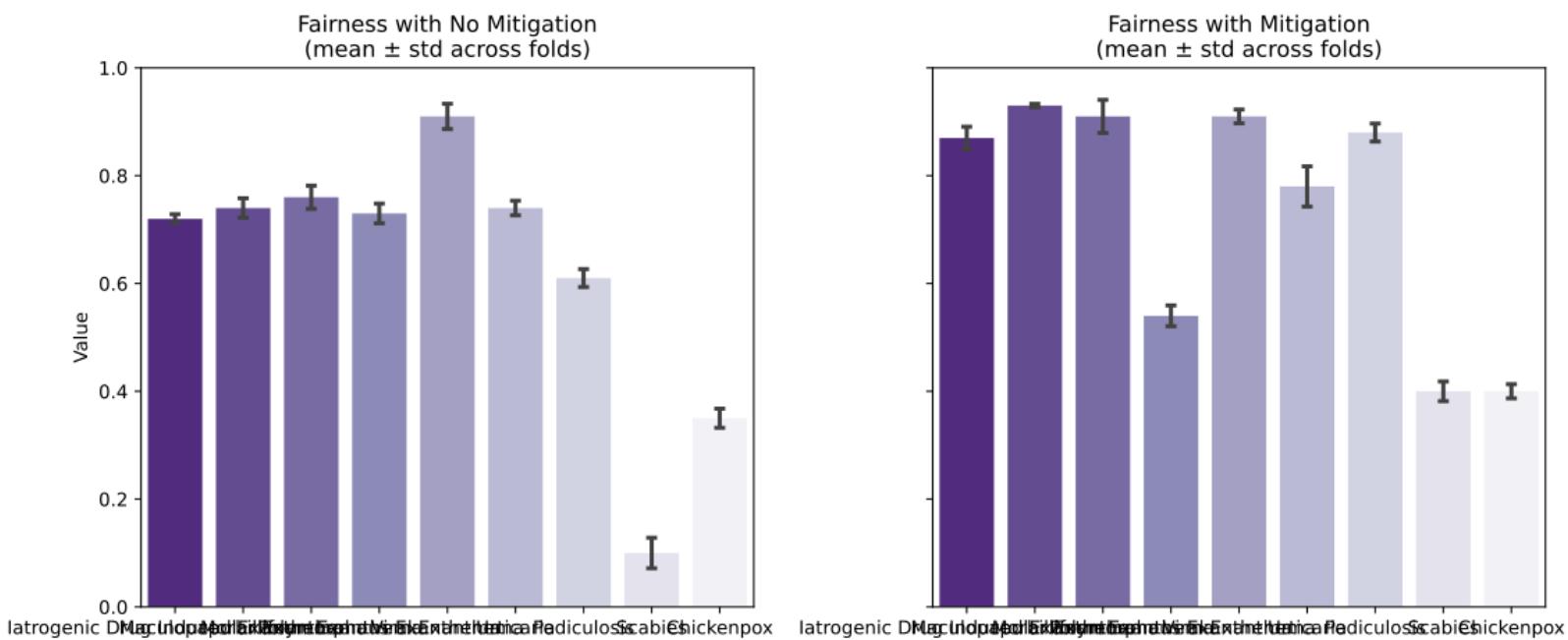
\$algorithm	augmentation_criterion	batch_size	epochs
StableDiffusionBasedDataAugmentation	min	256	100

Data Mitigation Results

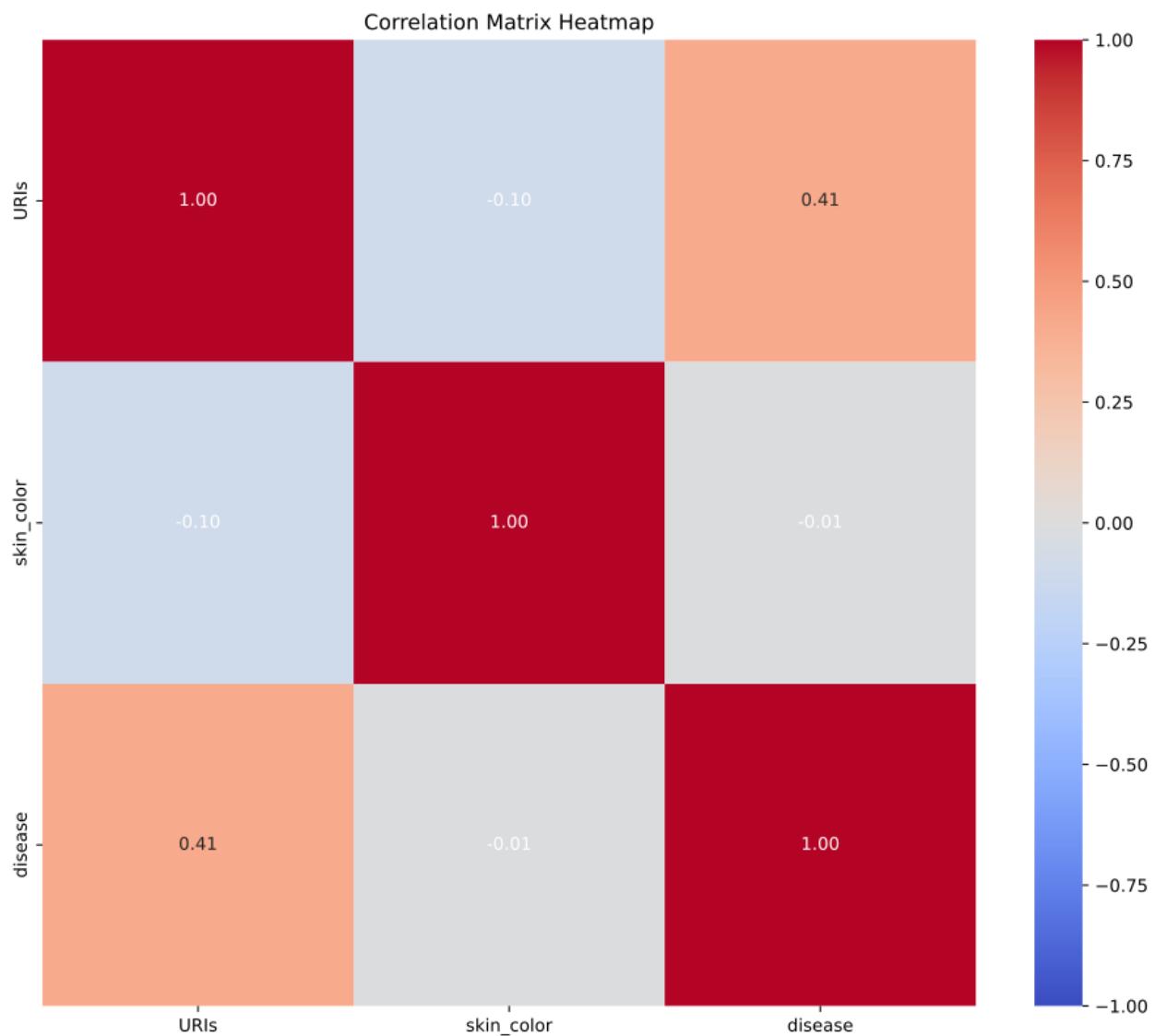
Performance Plot



Fairness Plot



Correlation Matrix



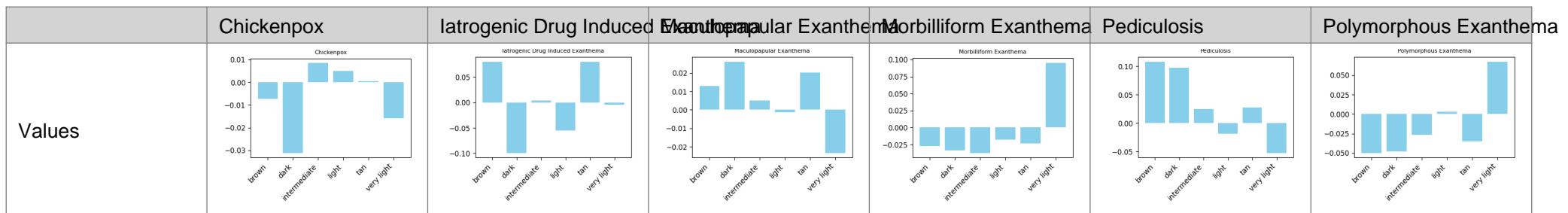
Dataset Head

URIs	skin_color	disease
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

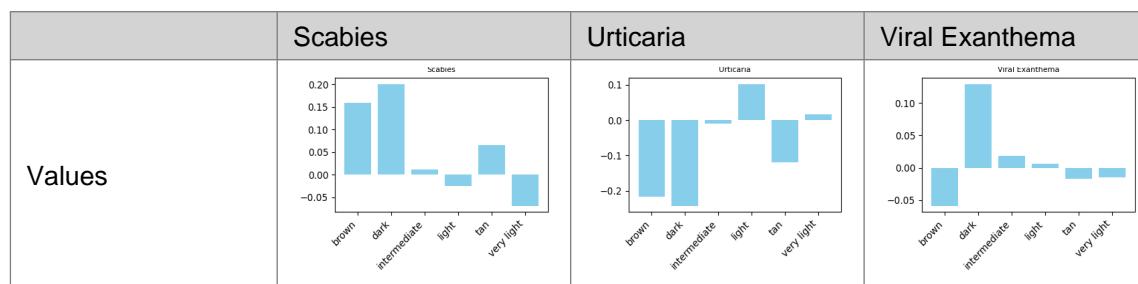
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

Metrics

StatisticalParityDifference

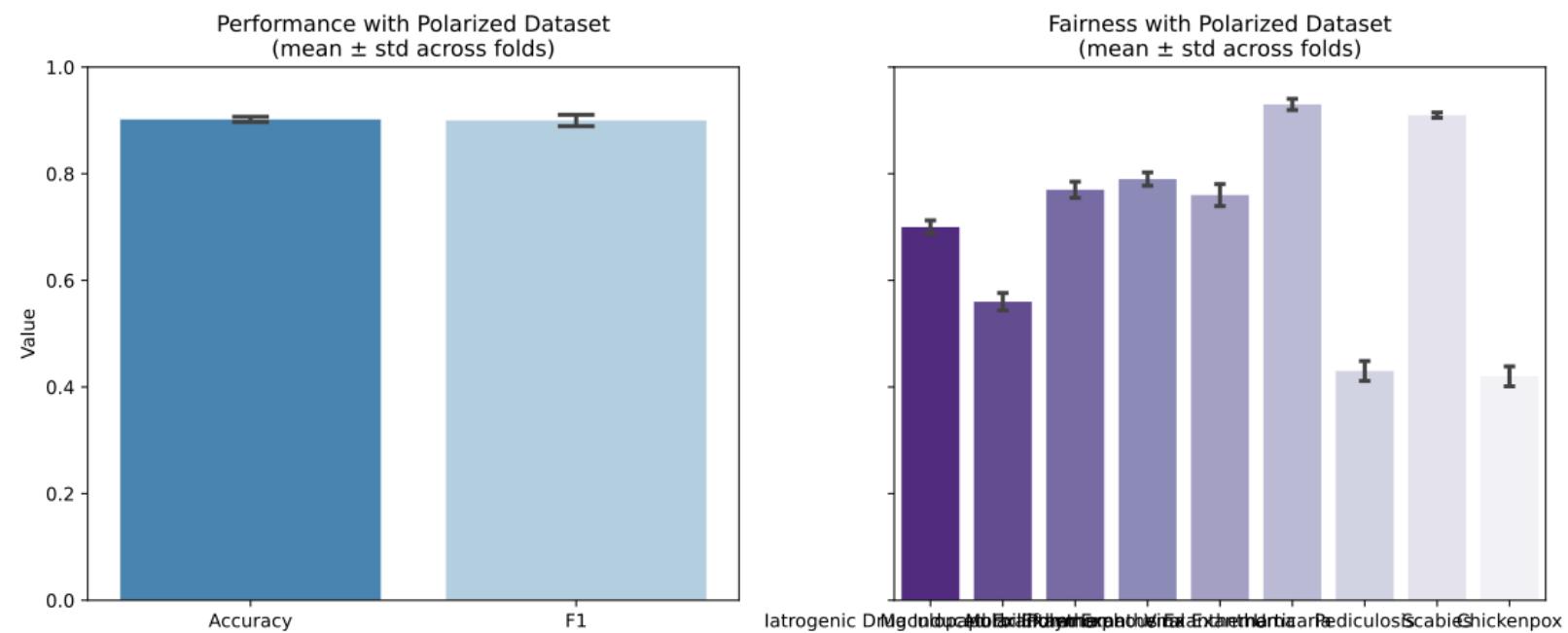


StatisticalParityDifference

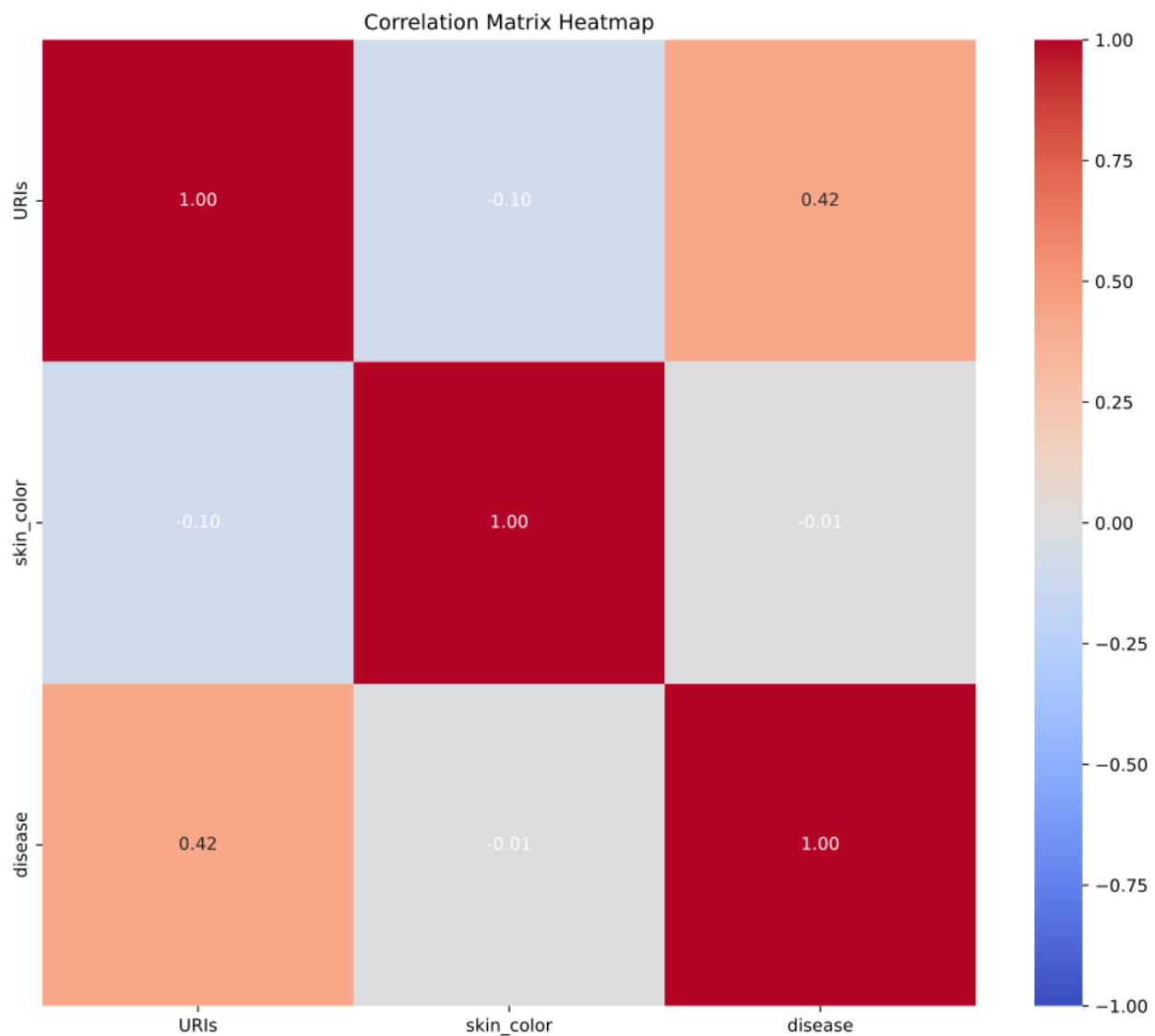


Stress Test Results 1 (Test-SkinDiseaseMax)

Polarization Plot



Correlation Matrix



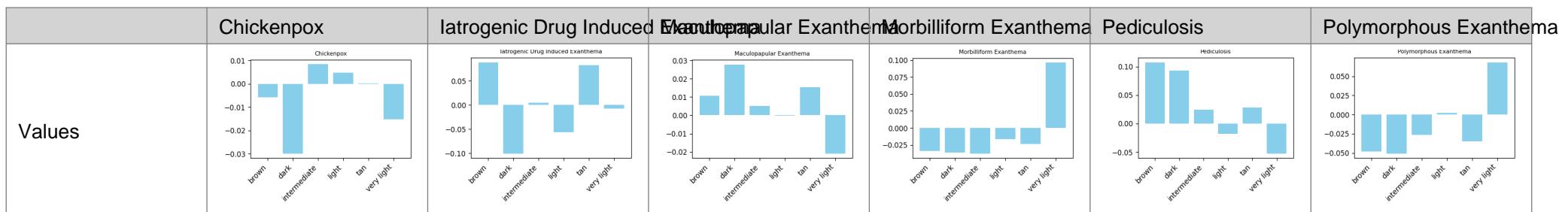
Predictions Head

URIs	skin_color	disease
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

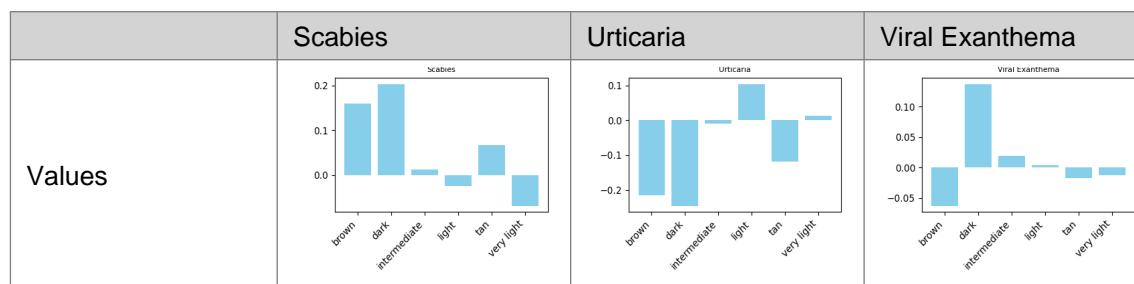
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

Metrics

StatisticalParityDifference

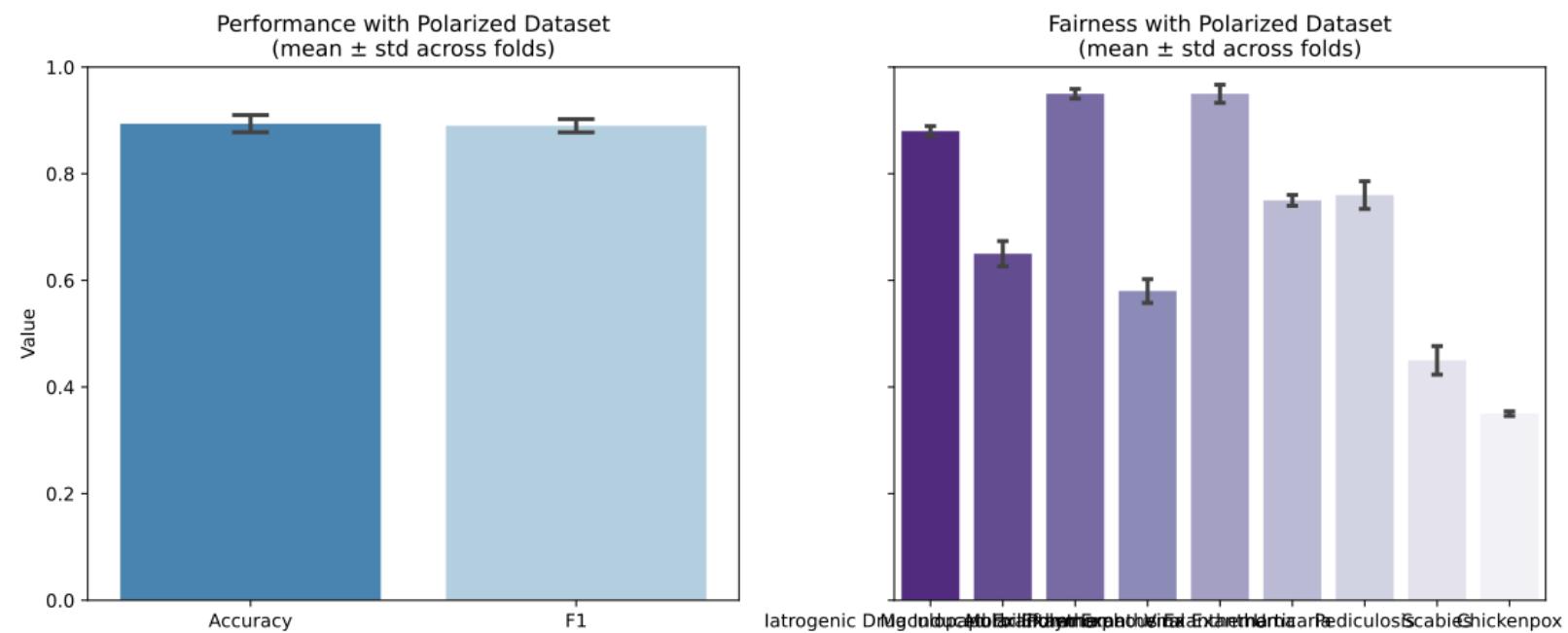


StatisticalParityDifference

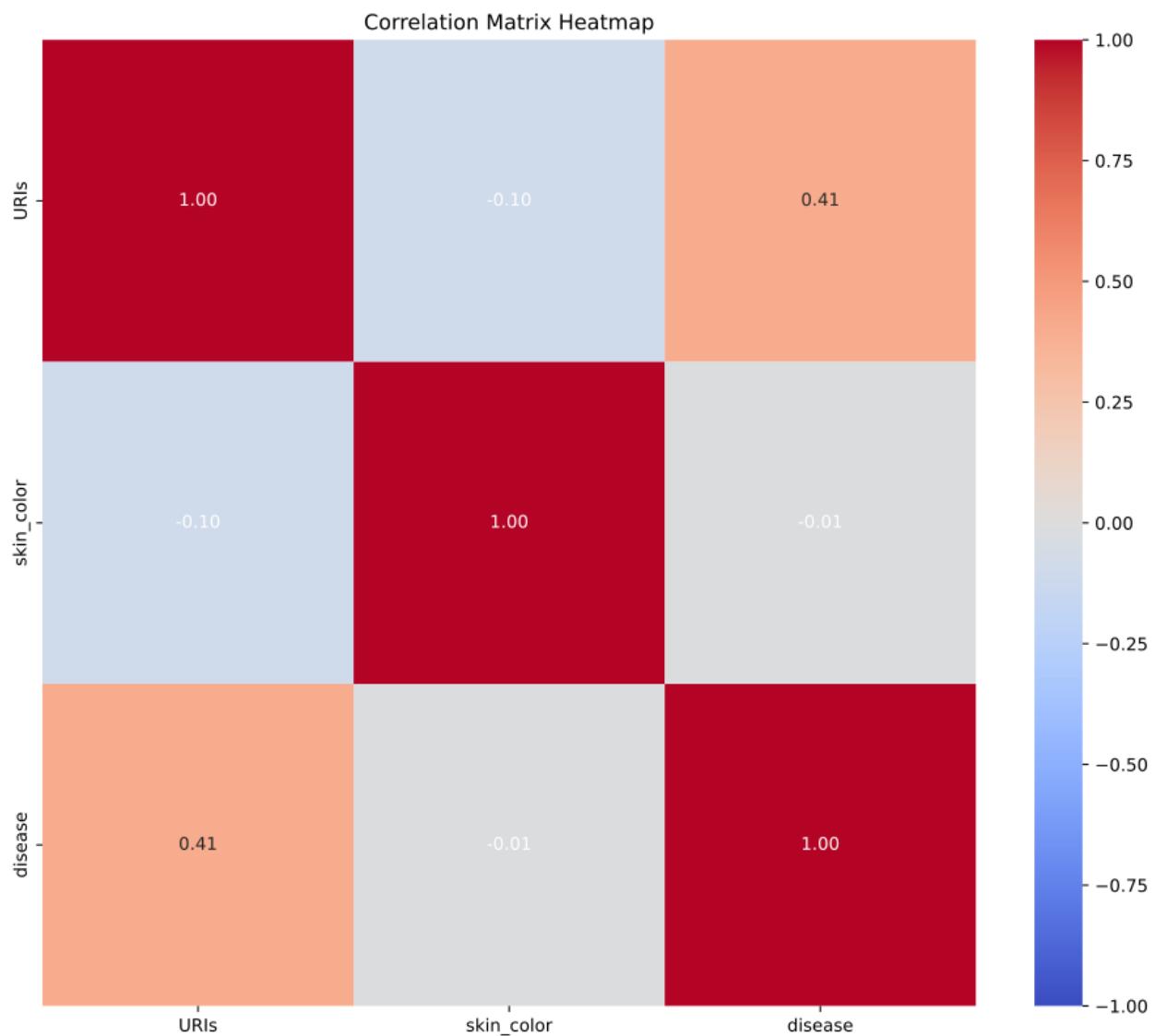


Stress Test Results 2 (Test-SkinDiseaseBalanced)

Polarization Plot



Correlation Matrix



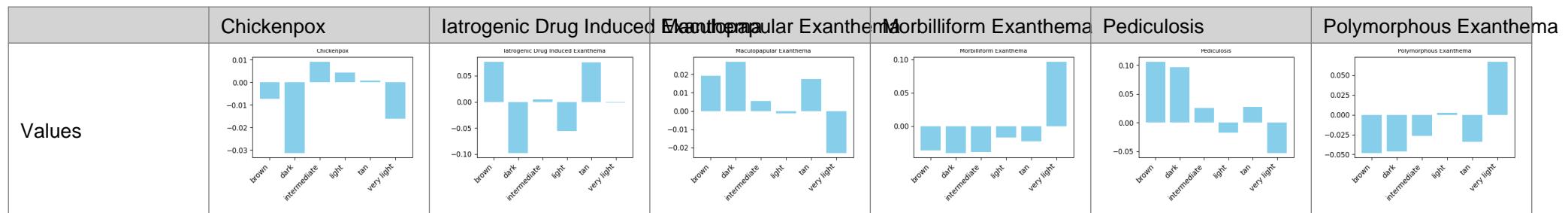
Predictions Head

URIs	skin_color	disease
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	tan	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema
	intermediate	Iatrogenic Drug Induced Exanthema
	brown	Iatrogenic Drug Induced Exanthema

Metrics

StatisticalParityDifference



StatisticalParityDifference

