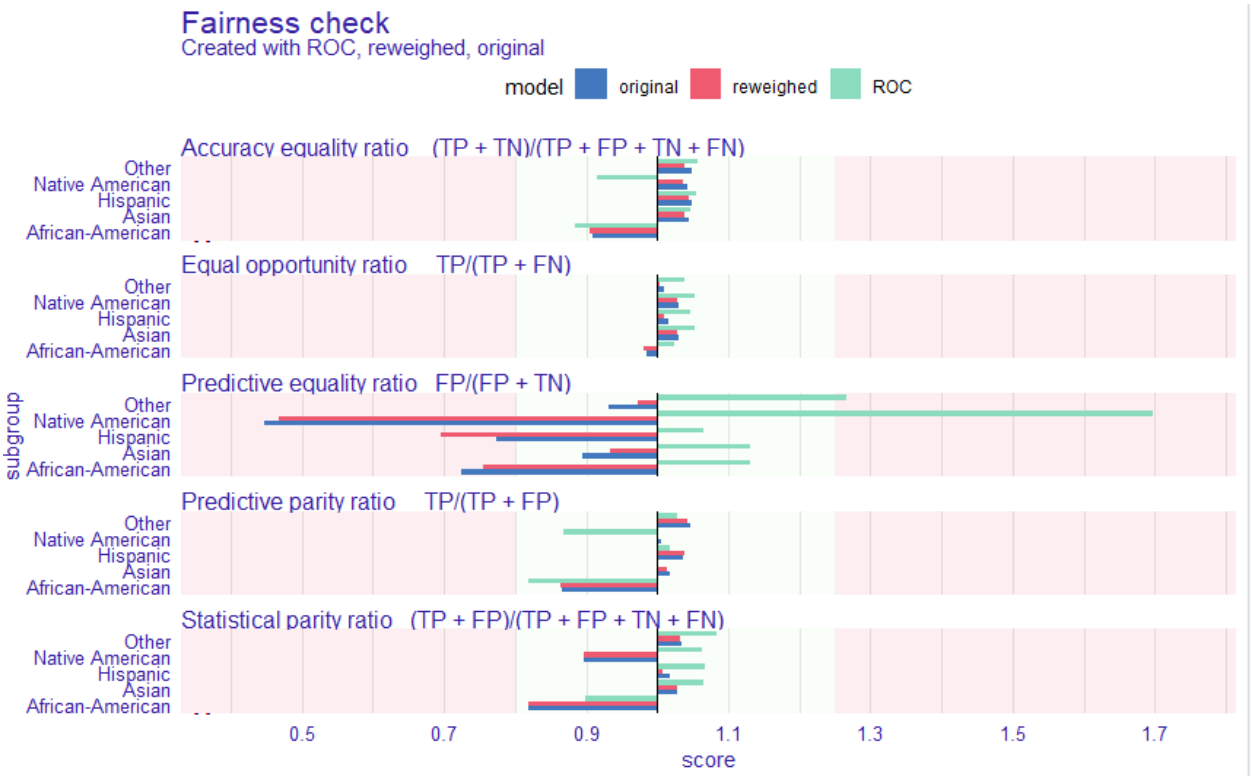
```
> # --Statistical Parity for baseline model-----------------
> #Rate at which characterized "High Risk:"
> (nrow(otdata[otdata$model =="High", ]) / .... [TRUNCATED]
[1] -0.1737939

> #Rate at which characterized "Low Risk:"
> (nrow(otdata[otdata$model =="Low", ]) / nrow(otdata)) - (n
[1] 0.3857626

> # --Statistical Parity for Compas model-------------------
> #Rate at which characterized "High Risk:"
> (nrow(otdata[otdata$score_text = .... [TRUNCATED]
[1] -0.1899479

> #Rate at which characterized "Low Risk:"
> (nrow(otdata[otdata$score_text =="Low", ]) / nrow(otdata))
[1] 0.295901

> # GLM Model-----------------------------------------
> # Before Reweighing
> # Rate at which characterized "High Risk:"
> (nrow(otdata[otdata$gbm = .... [TRUNCATED]
[1] -0.1648693

> #Rate at which characterized "Low Risk:"
> (nrow(otdata[otdata$gbm =="Low", ]) / nrow(otdata)) - (nro
[1] 0.2227192

> #After Reweighing---
> #Rate at which characterized "High Risk:"
> (nrow(otdata[otdata$weighted =="High", ]) / nrow(otdata))
[1] -0.150968

> #Rate at which characterized "Low Risk:"
> (nrow(otdata[otdata$weighted =="Low", ]) / nrow(otdata)) -
[1] 0.224889
```



Output for Z-test

```
> nrow(aadata[aadata$model =="High", ])
[1] 196

> nrow(aadata)
[1] 930

> nrow(aadata[aadata$model =="High", ]) / nrow(aadata)
[1] 0.2107527

> nrow(cdata[cdata$model =="High", ])
[1] 25

> nrow(cdata)
[1] 648

> nrow(cdata[cdata$model =="High", ]) / nrow(cdata)
[1] 0.03858025
>
```

Accuracy Measure:

```
Compas High 0.5348189
Baseline High 0.5714286
GBM High 0.58
Weighted High 0.5762712

Compas Low 0.7667638
Baseline Low 0.7364048
GBM Low 0.752883
Weighted Low 0.7603306
```