1. Quality Results

F1 Score Report

F1 Score (Original)	F1 Score (Statistic)	F1 Score (Influence)
0.2842	0.2514	0.2781

Outlier Summary

Influence Outliers (Count)	Influence Outliers (%)	Mahalanobis Outliers (Count)	Mahalanobis Outliers (%)	Overlap (Count)
93	2.8563	203	6.2346	10

2. Fairness Results

Top Patterns

Pattern Column 1	Pattern Value 1	Pattern Column 2	Pattern Value 2	Support	Responsibility	Interestingness
income	>50K	None	None	0.235	12.8994	54.8858
occupation	Machine-op-inspct	None	None	0.0607	3.0043	49.5133
relationship	Wife	None	None	0.0526	2.0864	39.6572
race	Black	None	None	0.0876	2.8325	32.3496
occupation	Exec-managerial	None	None	0.1283	3.4918	27.2238

Fairness (No Influence)

Sensitive Feature	DPD	DPD Fair	EOD	EOD Fair	PPV Diff	PPV Fair
age	1.0	False	1.0	False	1.0	False
marital.status	0.386	False	1.0	False	1.0	False
occupation	1.0	False	1.0	False	1.0	False
race	0.2941	False	0.75	False	0.6509	False
sex	0.1616	False	0.104	False	0.1225	False
native.country	1.0	False	1.0	False	1.0	False

Fairness (With Influence)

Influence Group	Positive Group	Mean (Positive)	Mean (Other)	Mean Difference	Influence Fair
income	>50K	3.108e-05	-7.78e-06	3.886e-05	True
occupation	Machine-op-inspct	-2.05e-05	2.76e-06	2.326e-05	True
relationship	Wife	5.607e-05	-1.69e-06	5.776e-05	True
race	Black	-9.49e-06	2.39e-06	1.188e-05	True
occupation	Exec-managerial	-1.646e-05	3.97e-06	2.043e-05	True