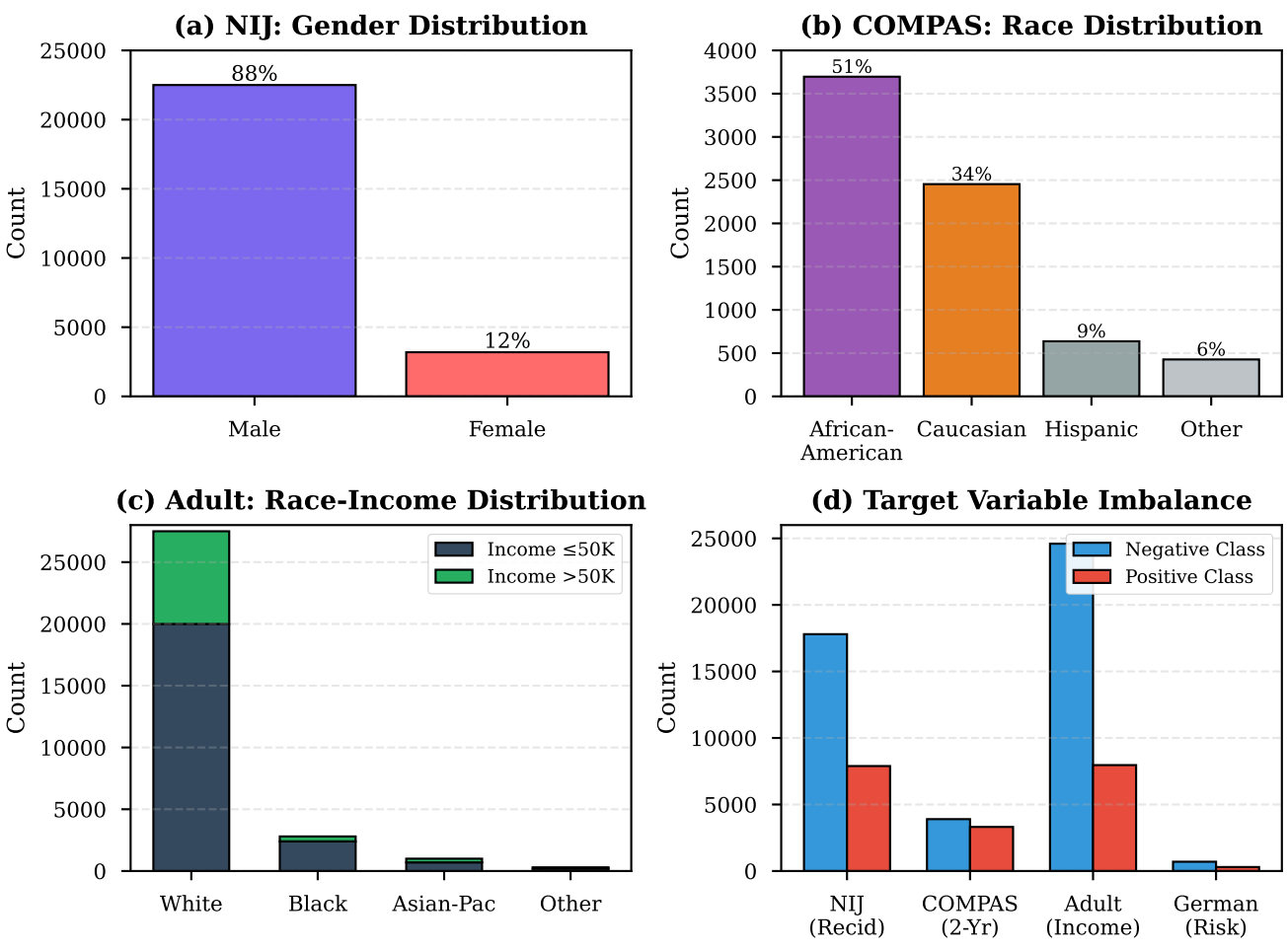
Demographic Distributions Across Benchmark Datasets
(a) NIJ: Gender Distribution
Count
25000
20000
15000
10000
5000
0
88%
12%
Male
Female
(b) COMPAS: Race Distribution
Count
4000
3500
3000
2500
2000
1500
1000
500
0
51%
34%
9%
6%
African-American
Caucasian
Hispanic
Other
(c) Adult: Race-Income Distribution
Count
25000
20000
15000
10000
5000
0
Income ≤50K
Income >50K
White
Black
Asian-Pac
Other
(d) Target Variable Imbalance
Count
25000
20000
15000
10000
5000
0
Negative Class
Positive Class
NIJ (Recid)
COMPAS (2-Yr)
Adult (Income)
German (Risk)