

① $P(gd | hl, pred) = P(gd | hl)$ Sufficiency

② $P(gd | hl, pred) = P(gd | pred)$ Separation

gd: gender
hl: hyperlipidemia
pred: prediction

pred	hl	gd	P()
NO	NO	Male	0.09
NO	NO	Female	0.25
NO	YES	Male	0.13
NO	YES	Female	0.03
YES	NO	Male	0.09
YES	NO	Female	0.25
YES	YES	Male	0.13
YES	YES	Female	0.03

Sufficient
Not separated

pred	hl	gd	P()
NO	NO	Male	0.09
NO	NO	Female	0.25
NO	YES	Male	0.09
NO	YES	Female	0.25
YES	NO	Male	0.13
YES	NO	Female	0.03
YES	YES	Male	0.13
YES	YES	Female	0.03

Separated
Not sufficient