

$P(\text{Region}=\text{Countryside} \mid \text{Hyperlipidemia}=\text{YES}, \text{Gender}=\text{Female}) = 0.416$
 $P(\text{Region}=\text{Countryside} \mid \text{Hyperlipidemia}=\text{YES}) = 0.416$
 $P(\text{Hyperlipidemia}=\text{YES} \mid \text{Region}=\text{Countryside}, \text{Gender}=\text{Female}) = 0.380$
 $P(\text{Hyperlipidemia}=\text{YES} \mid \text{Region}=\text{Countryside}) = 0.42$

$P(\text{Region}=\text{Countryside} \mid \text{Hyperlipidemia}=\text{NO}, \text{Gender}=\text{Female}) = 0.543$
 $P(\text{Region}=\text{Countryside} \mid \text{Hyperlipidemia}=\text{NO}) = 0.543$
 $P(\text{Hyperlipidemia}=\text{NO} \mid \text{Region}=\text{Countryside}, \text{Gender}=\text{Female}) = 0.380$
 $P(\text{Hyperlipidemia}=\text{NO} \mid \text{Region}=\text{Countryside}) = 0.42$

$P(\text{Region}=\text{City} \mid \text{Hyperlipidemia}=\text{YES}, \text{Gender}=\text{Female}) = 0.584$
 $P(\text{Region}=\text{City} \mid \text{Hyperlipidemia}=\text{YES}) = 0.584$
 $P(\text{Hyperlipidemia}=\text{YES} \mid \text{Region}=\text{City}, \text{Gender}=\text{Female}) = 0.647$
 $P(\text{Hyperlipidemia}=\text{YES} \mid \text{Region}=\text{City}) = 0.608$

$P(\text{Region}=\text{City} \mid \text{Hyperlipidemia}=\text{NO}, \text{Gender}=\text{Female}) = 0.457$
 $P(\text{Region}=\text{City} \mid \text{Hyperlipidemia}=\text{NO}) = 0.457$
 $P(\text{Hyperlipidemia}=\text{NO} \mid \text{Region}=\text{City}, \text{Gender}=\text{Female}) = 0.647$
 $P(\text{Hyperlipidemia}=\text{NO} \mid \text{Region}=\text{City}) = 0.608$

We can see the first 2 of each section are equal, which means Separation holds because

$P(\text{Prediction} = \text{YES} \mid \text{Hyperlipidemia} = \text{YES}, \text{Gender} = \text{Female}) = P(\text{Prediction} = \text{YES} \mid \text{Hyperlipidemia} = \text{YES})$

However, the last 2 of each section are not equal which means Sufficiency doesn't hold because

$P(\text{Hyperlipidemia} = \text{YES} \mid \text{Prediction} = \text{YES}, \text{Gender} = \text{Female}) \neq P(\text{Hyperlipidemia} = \text{YES} \mid \text{Prediction} = \text{YES})$