- a) Case a) if we are trying to predict amount of vegetables the person ate with Hyperlipidemia as evidence, then the prediction is Separated from gender, but not sufficient.
 - a. P(Vegetables = <400g/d|Hyperlipidemia = YES, Gender = Male) = 57.9
 - b. P(Vegetables = <400g/d|Hyperlipidemia = YES, Gender = Female) = 57.9
 - c. P(Vegetables = <400g/d|Hyperlipidemia = NO, Gender = Male) = 28.3
 - d. P(Vegetables = <400g/d|Hyperlipidemia = NO, Gender = Female) = 28.3
 - e. P(Vegetables = 400-500g/d|Hyperlipidemia = YES, Gender = Male) = 28.4
 - f. P(Vegetables = 400-500g/d|Hyperlipidemia = YES, Gender = Female) = 28.4
 - g. P(Vegetables = 400-500g/d|Hyperlipidemia = NO, Gender = Male) = 32.4
 - h. P(Vegetables = 400-500g/d|Hyperlipidemia = NO, Gender = Female) = 32.4
 - i. P(Vegetables = >500g/d|Hyperlipidemia = YES, Gender = Male) = 13.7
 - j. P(Vegetables = >500g/d|Hyperlipidemia = YES, Gender = Female) = 13.7
 - k. P(Vegetables = >500g/d|Hyperlipidemia = NO, Gender = Male) = 39.3
 - I. P(Vegetables = >500g/d|Hyperlipidemia = NO, Gender = Female) = 39.3
 - m. P(Vegetables = <400g/d|Hyperlipidemia = YES) = 57.9
 - n. P(Vegetables = <400g/d|Hyperlipidemia = NO) = 28.3
 - o. P(Vegetables = 400-500g/d|Hyperlipidemia = YES) = 28.4
 - p. P(Vegetables = 400-500g/d|Hyperlipidemia = NO) = 32.4
 - q. P(Vegetables = >500g/d|Hyperlipidemia = YES) = 13.7
 - r. P(Vegetables = >500g/d|Hyperlipidemia = NO) = 39.3
 - s. P(Hyperlipidemia = YES|Vegetables = <400g/d, Gender = Male) = 61.7
 - t. P(Hyperlipidemia = YES|Vegetables = <400g/d, Gender = Female) = 54.2
 - u. P(Hyperlipidemia = YES|Vegetables = 400-500g/d, Gender = Male) = 40.8
 - v. P(Hyperlipidemia = YES | Vegetables = 400-500g/d, Gender = Female) = 33.6
 - w. P(Hyperlipidemia = YES|Vegetables = >500g/d, Gender = Male) = 21.5
 - x. P(Hyperlipidemia = YES|Vegetables = >500g/d, Gender = Female) = 16.8
 - y. P(Hyperlipidemia = NO | Vegetables = <400g/d, Gender = Male) = 38.3
 - z. P(Hyperlipidemia = NO | Vegetables = <400g/d, Gender = Female) = 45.8
 - aa. P(Hyperlipidemia = NO|Vegetables = 400-500g/d, Gender = Male) = 59.2
 - bb. P(Hyperlipidemia = NO|Vegetables = 400-500g/d, Gender = Female) = 66.4
 - cc. P(Hyperlipidemia = NO|Vegetables = >500g/d, Gender = Male) = 78.5
 - dd. P(Hyperlipidemia = NO|Vegetables = >500g/d, Gender = Female) = 83.2
 - ee. P(Hyperlipidemia = YES|Vegetables = <400g/d) = 58.2
 - ff. P(Hyperlipidemia = YES|Vegetables = 400-500g/d) = 37.4
 - gg. P(Hyperlipidemia = YES|Vegetables = >500g/d) = 19.2
 - hh. P(Hyperlipidemia = NO|Vegetables = <400g/d) = 41.8
 - ii. P(Hyperlipidemia = NO | Vegetables = 400-500g/d) = 62.6
 - jj. P(Hyperlipidemia = NO|Vegetables = >500g/d) = 80.8
- b) Another example is when we want to predict hyperlipidemia base on activity. The prediction is sufficient but not separated from region.
 - a. Variable: Hyperlipidemia
 - b. P(Hyperlipidemia = YES|Activity = Insufficient, Region = Countryside) = 46.6
 - c. P(Hyperlipidemia = YES | Activity = Insufficient, Region = City) = 43.5

- d. P(Hyperlipidemia = YES|Activity = Normal, Region = Countryside) = 40.8
- e. P(Hyperlipidemia = YES|Activity = Normal, Region = City) = 38.2
- f. P(Hyperlipidemia = YES|Activity = Sufficient, Region = Countryside) = 36.8
- g. P(Hyperlipidemia = YES|Activity = Sufficient, Region = City) = 34.2
- h. P(Hyperlipidemia = NO | Activity = Insufficient, Region = Countryside) = 53.4
- i. P(Hyperlipidemia = NO | Activity = Insufficient, Region = City) = 56.5
- j. P(Hyperlipidemia = NO | Activity = Normal, Region = Countryside) = 59.2
- k. P(Hyperlipidemia = NO | Activity = Normal, Region = City) = 61.8
- I. P(Hyperlipidemia = NO | Activity = Sufficient, Region = Countryside) = 63.2
- m. P(Hyperlipidemia = NO | Activity = Sufficient, Region = City) = 65.8
- n. P(Hyperlipidemia = YES|Activity = Insufficient) = 45.0
- o. P(Hyperlipidemia = YES|Activity = Normal) = 39.4
- p. P(Hyperlipidemia = YES | Activity = Sufficient) = 35.5
- q. P(Hyperlipidemia = NO | Activity = Insufficient) = 55.0
- r. P(Hyperlipidemia = NO | Activity = Normal) = 60.6
- s. P(Hyperlipidemia = NO | Activity = Sufficient) = 64.5
- t. P(Activity = Insufficient | Hyperlipidemia = YES, Region = Countryside) = 43.4
- u. P(Activity = Insufficient | Hyperlipidemia = YES, Region = City) = 43.5
- v. P(Activity = Insufficient | Hyperlipidemia = NO, Region = Countryside) = 36.1
- w. P(Activity = Insufficient | Hyperlipidemia = NO, Region = City) = 36.4
- x. P(Activity = Normal | Hyperlipidemia = YES, Region = Countryside) = 32.5
- y. P(Activity = Normal | Hyperlipidemia = YES, Region = City) = 32.5
- z. P(Activity = Normal|Hyperlipidemia = NO, Region = Countryside) = 34.1
- aa. P(Activity = Normal|Hyperlipidemia = NO, Region = City) = 33.9
- bb. P(Activity = Sufficient | Hyperlipidemia = YES, Region = Countryside) = 24.0
- cc. P(Activity = Sufficient | Hyperlipidemia = YES, Region = City) = 24.0
- dd. P(Activity = Sufficient | Hyperlipidemia = NO, Region = Countryside) = 29.8
- ee. P(Activity = Sufficient | Hyperlipidemia = NO, Region = City) = 29.7
- ff. P(Activity = Insufficient | Hyperlipidemia = YES) = 43.5
- gg. P(Activity = Insufficient | Hyperlipidemia = NO) = 36.2
- hh. P(Activity = Normal | Hyperlipidemia = YES) = 32.5
- ii. P(Activity = Normal | Hyperlipidemia = NO) = 34.0
- jj. P(Activity = Sufficient|Hyperlipidemia = YES) = 24.0
- kk. P(Activity = Sufficient|Hyperlipidemia = NO) = 29.8