19) Data testing ke 19

Sex = male, embarked = S, age_cat = adult, fare_cat = Very_cheap, Sibling_Spouse = No, Parent_child = no

a) P(Ci) P = (survived = 1) = 48/12
= 0,66

P(Ci) P(survived = 0) = 24/12
= 0,33

b) P(x/Ci) untuk = 1, 2

- P(Sex = male / survived = 1) = 14/48
= 0,29
- P(" " = 0) = 21/24
= 0,8
- P(embarked = S / survived = 1) = 30/48
= 0,62
- P(" " = 0) = 15/24
= 0,62
- P(age_cat = adult / survived = 1) = 35/48
= 0,72
- P(" " = 0) = 17/24
= 0,70
- P(fare_cat = no / survived = 1) = 20/48
= 0,58
- P(" " = 0) = 15/24
= 0,62
- P(sibling_spouse = no / survived = 1) = 14/24
= 0,58
- P(" " = 0) = 22/48
= 0,45
- P(parent_child = no / survived = 1) = 16/24
= 0,66
- P(" " = 0) = 32/48
= 0,66

c) P(x / survived = 1) = 0,29 × 0,62 × 0,72 × 0,58 × 0,45 × 0,66
= 0,0223

P(x / survived = 0) = 0,8 × 0,62 × 0,70 × 0,58 × 0,66 × 0,62 = 0,0024

d) P(x / survived = 1) = 0,0223 × 0,66 = 0,0147

P(x / survived = 0) = 0,0024 × 0,33 = 0,0231

e) Kesimpulan = Survived = 0 class 1