C) P(x | survived = "1") = 0,70 x 0,35 x 0,70 x 0,56 x 0,43 x 0,66
= 0,02803

P(x | survived = "0") = 0,12 x 0,33 x 0,70 x 0,67 x 0,66 x 0,62
= 0,00709

D) P(x | survived = "1") 0,02803 x 0,66 = 0,01849

P(x | survived = "0") = 0,00709 x 0,33 = 0,00231

E) Kesimpulan = survived "1" class 1

5) Data Testing ke 5

Sex = male, embarked = S, age_cate "adult", fare_cate = very_cheap

sibling_sponse = yes, parent_child = no

a) P(ci) = P(survived) = "1" = 48/72
= 0,66

P(ci) = P(survived) = "0" = 24/72
= 0,33

b) P(x | ci) untuk i = 1,2

- P(sex = "male" | survived = 1 = 14/48
= 0,29
- P(sex = male | survived = 0 = 21/24
= 0,8
- P(embarked = S | survived = 1 = 30/48
= 0,62
- P(embarked = S | survived = 0 = 15/24
= 0,62
- P(Age_cate = Adult | survived = 1 = 35/48
= 0,72
- P(Age_cate = Adult | survived = 0 = 17/24
= 0,70
- P(Fare_cate = very_cheap | survived = 1 = 28/48
= 0,58
- P(Fare_cate = very_cheap | survived = 0 = 14/24
= 0,58
- P(sibling_sponse = yes | survived = 1 = 26/48
= 0,54
- P(sibling_sponse = yes | survived = 0 = 8/24
= 0,33

- P(Parent_child : No | survived = 1) = 32/48
  = 0.66
- P(parent_child = No | survived = 0) = 15/24
  = 0.62

c) P(x | survived = "1") 0.29 × 0.62 × 0.79 × 0.58 × 0.54 × 0.66
  = 0.02676.
  P(x | survived = "0") = 0.8 × 0.62 × 0.70 × 0.58 × 0.33 × 0.62
  = 0.04120

D) P(x | survived = "1") = 0.0267 × 0.66 = 0.0176
  P(x | survived = "0") = 0.0412 × 0.33 = 0.0135

E) kesimpulan = survived "1" class 1

6) Data Testing ke 6.
sex : Female, embarked = S, age_cate = Adult, Fare_cat = normal
sibling_spouse = no, parent_child = no

a) P(C1) = P(survived = 1) = 48/72
  = 0.66
  P(c1) = P(survived = 0) = 24/72
  = 0.33

b) P(x | ci) untuk i = 1,2
- P(sex = female | survived = 1) = 34/48
  = 0.79
- P(sex = Female | survived = 0) = 3/24
  = 0.12
- P(embarked = S | survived = 1) = 30/48
  = 0.62
- P(embarked = S | survived = 0) = 15/24
  = 0.62
- P(Age_cate = Adult | survived = 1) = 35/48
  = 0.72
- P(Age_cate = Adult | survived = 0) = 17/24
  = 0.70
- P(Fare_cate = normal | survived = 1) = 7/48
  = 0.14
- P(Fare_cate = normal | survived = 0) = 2/24
  = 0.08
- P(sibling_spouse = no | survived = 1) = 21/48
  = 0.43

- P (sibling_spouse = no | survived = 0) = 16/24
= 0.66
- P (parent_child = yes | survived = 1) = 15/48
= 0.31
- P (Parent_child = yes | survived = 0) = 7/24
= 0.3

c) P(x | survived = 1) = 0.30 x 0.62 x 0.72 x 0.14 x 0.43 x 0.3
= 0.00583

P(x | survived = 0) = 0.12 x 0.60 x 0.70 x 0.08 x 0.66 x 0.31
= 0.0101

D) P(x | survived = 1) = 0.00583 x 0.66 = 0.003849
P(x | survived = 0) = 0.0101 x 0.33 = 0.003333

E) Kesimpulan - Survived "1" class 1

3) Data Testing ke 2
sex = male, embarked = C, Age_cate = Adult, fare_cate = very_cheap, sibling spouse = no, parent_child = no

a) P(c1) = P(survived = 1) = 48/72
= 0.66
P(c1) = P(survived = 0) = 24/72
= 0.33

b) P(x | ci) untuk i = 1,2
- P (sex = male / survived = 1) = 14/48
= 0.29
- P (" " = 0) = 31/24
= 0.8
- P (embarked = C / survived = 1) = 17/48
= 0.35
- P (" " = 0) = 8/24
= 0.33
- P (Age_cate = Adult / survived = 1) = 35/48
= 0.72
- P (" " = 0) = 17/24
= 0.70
- P (fare_cate = very_cheap / survived=1) = 28/48
= 0.58
- P (" " = 0) = 14/24
= 0.58

- P(Sibling_spouse = no | survived = "1") = 22/48
= 0,45
- P(" " = "0") = 16/24
= 0,66
- P(Parent_chil = no | survived = "1") = 32/48
= 0,66
- P(" " = "0") = 15/24
= 0,62

c) P(x | survived = 1) = 0,29 x 0,35 x 0,72 x 0,58 x 0,45 x 0,66
= 0,01250
P(x | survived = 0) = 0,8 x 0,32 x 0,70 x 0,58 x 0,66 x 0,67
= 0,093859

d) P(x | survived = 1) = 0,01258 x 0,66 = 0,008830
P(x | survived = 0) = 0,01385 x 0,33 = 0,01447

e) Kesimpulan survive = "0" class 1

6) Data Testing 6
sex = male, embarked = C, Age_cate = old, Fare_cate = cheap
sibling_spouse = yes, parent_chill = yes,

a) P(ci) = P(survived = "1") = 48/42
= 0,66
P(ci) = P(survived = "0") = 24/72
= 0,33

b) P(x | ci) untuk i = 1,2
- P(sex = male | survived = 1) = 14/48
= 0,29
- P(" " = 0) = 21/24
= 0,8
- P(embarked = C | survived = 1) = 17/48
= 0,35
- P(" " = 0) = 8/24
= 0,33
- P(Age_cate = old | survived = 1) = 1/48
= 0,02
- P(" " = 0) = 6/24
= 0,25
- P(Fare_cate = cheap | survived = 1) = 9/48
= 0,18

- P(Fare_cate = cheap | survived = 0) = 5/24
= 0.20
- P(sibling_spouse = yes | survived = 1) = 26/48
= 0.54
- P(~~~ = 0) = 8/24
= 0.33
- P(Parent_chil = yes | survived = 1) = 16/48
= 0.33
- P(~~~ = 0) = 9/24
= 0.37

c) P(x | survived = "1") = 0.79 x 0.35 x 0.02 x 0.18 x 0.54 x 0.33
= 0.00006
P(x | survived = "0") = 0.18 x 0.33 x 0.25 x 0.20 x 0.33 x 0.37
= 0.00161

d) P(x | survived = "1") = 0.0006 x 0.66 = 0.00003
P(x | survived = "0") = 0.00161 x 0.33 = 0.00053

e) Kesimpulan : survived = "0" class 1

9) Data testing ke 9
Sex = male, embarked = S, Age_cate = Adult, Fare_cat = "cheap"
sibling_spouse = yes, parent_chill = no.

a) P(ci) = P(survived = 1) = 48/72
= 0.66
P(ci) = P(survived = 0) = 24/72
= 0.33

b) P(x | ci) untuk i = 1, 2
- P(sex = male | survived = "1") = 14/48
= 0.79
- P(sex = ~~~ | ~~~ = "0") = 21/24
= 0.8
- P(embarked = S | survived = "1") = 30/48
= 0.62
- P(~~~ = "0") = 15/24
= 0.62
- P(Age_cate = Adult | survived = "1") = 35/48
= 0.72
- P(~~~ = "0") = 17/24
= 0.70

- P(Fare_cate = "cheap" / survived = 1) = 9/48
  = 0.18
- P(〃 = 0) = 5/24
  = 0.20
- P(sibling_spouse = yes / survived = 1) = 26/48
  = 0.54
- P(〃 = 0) = 8/24
  = 0.33
- P(parent_chil = yes / survived = 1) = 16/48
  = 0.33
- P(〃 = 0) = 9/24
  = 0.37

c) P(x | survived = 1) = 0.29 x 0.67 x 0.72 x 0.18 x 0.54 x 0.33
= 0.00415

P(x | survived = 0) = 0.8 x 0.62 x 0.70 x 0.20 x 0.33 x 0.33
= 0.00847

d) P(x | survived = 1) = 0.00415 x 0.66 = 0.00273

P(x | survived = 0) = 0.00841 x 0.33 = 0.00279

e) Kesimpulan survived "0" class 1

10) Data testing ke 10
Sex = male, embarked = S, Age_cate = kid, Fare_cat = very_cheap
sibling_spouse = no, parent_chil = yes.

a) P(ci) = P(survived 1) = 48/72
= 0.66

P(ci) = P(survived 0) = 24/72
= 0.33

b) P(x | ci) untuk i = 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 = kid | survived = "1") = 5 / 48
  = 0.10
- P (~~~ " ~~~ = 0) = 0 / 124
  = 0
- P (Fare_cate = very_cheap | survived = 1) = 28 / 48
  = 0.58
- P (~~~ " ~~~ = 0) = 14 / 24
  = 0.58
- P (sibling spouse = No | survived = 1) = 22 / 48
  = 0.45
- P (~~~ " ~~~ = 0) = 16 / 24
  = 0.66
- P (Parent_chil = Yes | survived = 1) = 32 / 48
  = 0.66
- P (~~~ " ~~~ = 0) = 15 / 24
  = 0.62

c) P (x | survived = 1) = 0.39 x 0.62 x 0.10 x 0.58 x 0.45 x 0.66
= 0.00309

P (x | survived = 0) = 0.8 x 0.60 x 0 x 0.58 x 0.66 x 0.60 = 0

D) P (x | survived = 1) = 0.00309 x 0.66 = 0.002

P (x | survived = 0) = 0 x 0.33 = 0

E) Kesimpulan = Survived = 1 class = 3

II) Data testing ke II
Sex = female, embarked = C, Age_cat = Adult, Fare_cat = normal
sibling spouse = yes, parent_chil = no.

a) P (ci) = P (survived = "1") = 48 / 72
= 0.66

P (ci) = P (survived = "0") = 24 / 72
= 0.33

b) P (x | ci) untuk i = 1, 2

- P (sex = female | survived = 1) = 34 / 48
  = 0.7
- P (~~~ " ~~~ = 0) = 3 / 24
  = 0.12
- P (Age_cate = Adult | survived = 1) = 35 / 48
  = 0.72

- P(Age_cate = Adult | survived = 0) = 17/24
  = 0.72
- P(Fare_cate = normal | survived = 1) = 7/48
  = 0.14
- P(~~~ " ~~~ = 0) = 2/24
  = 0.08
- P(sibling spouse = yes | survived = 1) = 26/48
  = 0.54
- P(~~~ " ~~~ = 0) = 8/24
  = 0.33
- P(Parent_chil = no | survived = 1) = 32/48
  = 0.66
- P(~~~ " ~~~ = 0) = 15/24
  = 0.62
- P(embarked = C | survived = 1) = 17/48
  = 0.35
- P(~~~ " ~~~ = 0) = 8/24
  = 0.33

c) P(x|survived = 1) = 0.70 x 0.72 x 0.14 x 0.89 x 0.66 x 0.35
= 0.0088

P(x|survived = 0) = 0.12 x 0.70 x 0.08 x 0.33 x 0.62 x 0.33
= 0.0009

D) P(x survived = 1) = 0.0088 x 0.66 = 0.0058

P(x survived = 0) = 0.0004 x 0.33 = 0.0001

E) kesimpulan survived = 1 class = 1

12.) Data testing ke 12

sex : male, embarked = S, Age_cat = Adult, Fare_cat = very_cheap
sibling_spouse = no, parent_chil = no

a) P(ci) = P(survived = "1") = 48/72
= 0.66

P(ci) = P(survived = "0") = 24/72
= 0.33

b) P(x|ci) untuk i = 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_cate = Adult | survived = 1) = 35 / 48
  = 0,72
- P(~~~ || ~~~ = 0) = 17 / 24
  = 0,70
- P(Fare_cate = very_cheap | survived = 1) = 28 / 48
  = 0,58
- P(~~~ || ~~~ = 0) = 14 / 24
  = 0,08
- P(sibling_spouse = no | survived = 1) = 22 / 48
  = 0,45
- P(~~~ || ~~~ = 0) = 16 / 24
  = 0,66
- P(Parent_chil = no / survived = 1) = 32 / 48
  = 0,66
- P(Parent_chil = no / survived = 0) = 15 / 24
  = 0,62

c) P(x | survived = 1) = 0,66 x 0,39 x 0,62 x 0,72 x 0,58 x 0,45 x 0,
= 0,0147

P(x | survived = 0) = 0,8 x 0,60 x 0,70 x 0,58 x 0,66 x 0,62
= 0,0829

d) P(x | survived = 1) = 0,0147 x 0,66 = 0,009
P(x | survived = 0) = 0,0829 x 0,33 = 0,271

E) kesimpulan = survived "0" class = 1

13.) Data testing ke 13
sex = male, embarked = S, Age_cate = adult, Fare_cat = very_cheap, sibling_spouse = no, paren_chil = no

a) P(ci) = P (survived = 1) = 48 / 72
= 0,66

P(ci) = P | survived = 0) = 24 / 72
= 0,33

b) P(x | ci) untuk i = 1,2

- P (sex = male | survived = 1) = 14 / 48
  = 0,29

- P (sex = male | survived = 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 = very cheap | survived = 1) = 28 / 48
  = 0.58
- P (~~~ | ~~~ = 0) = 14 / 24
  = 0.58
- P (sibling spouse = no | survived = 1) = 22 / 48
  = 0.45
- P (~~~ | ~~~ = 0) = 16 / 24
  = 0.66
- P (parent_chil = no | survived = 1) = 32 / 48
  = 0.66
- P (~~~ | ~~~ = 0) = 15 / 24
  = 0.62

c) P (x | survived = 1) 0.37 x 0.62 x 0.72 x 0.58 x 0.45 x 0.66
= 0.0223

P (x | survived = 0) = 0.8 x 0.62 x 0.70 x 0.58 x 0.66 x 0.62
= 0.0824

D) P (x | survived = 1) = 0.0223 x 0.66 = 0.0147

P (x | survived = 0) = 0.0824 x 0.33 = 0.0271

5) kesimpulan : survived "0" class = 1

14) Data testing ke 14

sex = male | embarked = S | Age_cat = Adult | far cat = very cheap | sibling spouse = no | parent chil = no

a) P (c1) P = (survived = 1) = 48 / 72
= 0.66

P (c1) P = (survived = 0) = 24 / 72
= 0.33

b) P(x | Ci) untuk i = 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) = 19/24
  = 0,79
- P (Fare_Cat = very cheap | survived = 1) = 28/48
  = 0,58
- P (" | " = 0) = 14/24
  = 0,58
- P (sibling spouse = no | survived = 1) = 22/48
  = 0,45
- P (" | " = 0) = 16/24
  = 0,66
- P (Parent chil = no | survived = 1) = 32/48
  = 0,66
- P (" | " = 0) = 15/24
  = 0,62

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

P(x | survived = 0) = 0,8 x 0,62 x 0,79 x 0,58 x 0,66 x 0,62
= 0,0824

D.) P(x | survived = 1) 0,0223 x 0,66 = 0,0147
P(x | survived = 0) 0,0824 x 0,33 = 0,0271

E) kesimpulan = survived "0" class = 3

15.) Data testing ke 15
Sex = male, Embarked = S, Age_Cat = Adult, Fare Cat = very cheap, sibling spours = no, parent chill = yes

a) P(ci) P = (Survived = 1) = 48 / 72
= 0.166

P(ci)P = (survived = 0) = 24 / 72
= 0.33

b) P(x | ci) untuk i = 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) = 19 / 24
= 0.90

P(Fare cat = very cheap | survived = 1) = 28 / 48
= 0.58

P(~~~ " ~~~ = 0) = 14 / 24
= 0.58

P(sibling spouse = no | survived = 1) = 22 / 48
= 0.45

P(~~~ " ~~~ = 0) = 16 / 24
= 0.66

P(Parent_child = yes | survived = 1) = 16 / 48
= 0.33

P(~~~ " ~~~ = 0) = 9,24
= 0.33

c) P(x | survived = 1) 0.29 x 0,62 x 0.72 x 0,58 x 0,45 x 0,33
= 0,0111

P(x | survived = 0) = 0.8 x 0,62 x 0,90 x 0,58 x 0,66 x 0,37
= 0,0491

d) P(x | survived = 1) = 0.0111 x 0.66 = 0,0073

P(x | survived = 0) = 0.0491 x 0.33 = 0,0162

e) Kesimpulan = survived = 0 class = 2

16). Data testing ke 16

sex = male, embarked = C, age_cat = Adult, Fare_cat = expensive, sibling spouse = no, parent chil = yes

a) $P(c_1) = P(\text{survived} = 1) = 48/72 = 0,64$

$P(c_1) = P(\text{survived} = 0) = 24/72 = 0,33$

b) $P(x \mid c_i)$ untuk $i = 1,2$

- $P(\text{sex} = \text{male} \mid \text{survived} = 1) = 14/48 = 0,29$
- $P(\text{sex} = \text{male} \mid \text{survived} = 0) = 21/24 = 0,8$
- $P(\text{embarked} = C \mid \text{survived} = 1) = 17/48 = 0,35$
- $P(\text{embarked} = C \mid \text{survived} = 0) = 8/24 = 0,33$
- $P(\text{Age\_cat} = \text{Adult} \mid \text{survived} = 1) = 35/48 = 0,62$
- $P(\text{Age\_cat} = \text{Adult} \mid \text{survived} = 0) = 17/24 = 0,70$
- $P(\text{Fare\_cat} = \text{expensive} \mid \text{survived} = 1) = 3/48 = 0,06$
- $P(\text{Fare\_cat} = \text{expensive} \mid \text{survived} = 0) = 3/24 = 0,12$
- $P(\text{sibling spouse} = \text{no} \mid \text{survived} = 1) = 22/48 = 0,45$
- $P(\text{sibling spouse} = \text{no} \mid \text{survived} = 0) = 16/24 = 0,66$
- $P(\text{parent chil} = \text{yes} \mid \text{survived} = 1) = 16/48 = 0,33$
- $P(\text{parent chil} = \text{yes} \mid \text{survived} = 0) = 9/24 = 0,37$

c) $P(x \mid \text{survived} = 1) = 0,29 \times 0,35 \times 0,62 \times 0,06 \times 0,45 \times 0,33 = 0,0005$

$P(x \mid \text{survived} = 0) = 0,8 \times 0,33 \times 0,70 \times 0,12 \times 0,66 \times 0,37 = 0,0054$

D) $P(x \mid \text{survived} = 1) = 0,0005 \times 0,66 = 0,0003$

$P(x \mid \text{survived} = 0) = 0,0054 \times 0,33 = 0,0017$

E) Kesimpulan survived = 0 class = 1

17) Data testing 17

Sex = Female, embaked = S, Age_cat = Adult, Fare cat = Very_cheap, Sibling spouse = no, parent Family = no

a) P(c1) P(survived = 1) = 48/72
= 0,66

P(c1) P(survived = 0) = 24/72
= 0,33

b) P(x|c1) untuk i = 1,2

- P(sex = Female | survived = 1) = 34/48
= 0,70
- P(~ || ~ : 0) = 3/24
= 0,12
- 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 = very_cheap | survived = 1) 28/48
= 0,58
- P(~ || ~ = 0) = 14/24
= 0,58
- P(sibling Spouse = no | survived = 1) = 32/48
= 0,45
- P(~ || ~ = 0) = 16/24
= 0,66
- P(Parent_chil = no | survived = 1) = 32/48
= 0,66
- P(~ || ~ = 0) = 15/24
= 0,62

b) P(x | survived = 1) = 0,70 x 0,62 x 0,72 x 0,58 x 0,45 x 0,66
= 0,0538

P(x | survived = 0) = 0,12 x 0,62 x 0,70 x 0,58 x 0,66 x 0,62
= 0,1236

c) P(x | survived = 1) = 0,0538 x 0,66 = 0,0355

P(x | survived = 0) = 0,1236 x 0,33 = 0,0407

Kesimpulan = survived = 0 class 1

18.) Data testing ke 18

sex = male, embarked = S, Age_cat = Adult, Fare_cate very_cheap, sibling spouse = no, parent chil = no

a) P(ci) P : (survived = 1) = 48 / 72
= 0,66

P(ci) p = (survived = 0) = 24 / 72
= 0,33

b) P(x|ci) untuk i = 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
= 0,63
- P (Age_cat = Adult | survived=1) = 25 / 48
= 0,72
- P (" | = 0) = 17 / 24
= 0,70
- P (Farecat = very cheap | survived = 1) = 28 / 48
= 0,58
- P (" | = 0) = 14 / 24
= 0,58
- P (sibling spous = no | survived = 1) = 22 / 48
= 0,45
- P (" | = 0) = 16 / 24
= 0,66
- P (parent chill = no | survived = 1) = 32 / 48
= 0,66
- P (" | = 0) = 15 / 24
= 0,63

c) P (x | survived = 1) = 0,29 x 0,62 x 0,72 x 0,58 x 0,45 x 0,66
= 0,00223

P (x | survived = 0) = 0,8 x 0,62 x 0,70 x 0,58 x 0,66 x 0,62
= 0,0824

d.) P (x | survived = 1) = 0,0223 x 0,66 = 0,047

P (x | survived = 0) = 0,0824 x 0,33 = 0,0271

e) kesimpulan = survived 0 class 1