Training Set

|  |  |  |  |
| --- | --- | --- | --- |
| Experience | No of papers | No of past reviews | Tag Similarity |
| 22 | 22 | 21 | 0.7 |
| 6 | 4 | 2 | 0.6 |
| 4 | 3 | 2 | 0.4 |
| 23 | 25 | 30 | 0.9 |
| 6 | 5 | 5 | 0.6 |
| 18 | 12 | 19 | 0.8 |
| 11 | 8 | 12 | 0.65 |
| 10 | 7 | 11 | 0.8 |
| 21 | 18 | 25 | 0.85 |
| 13 | 9 | 8 | 0.2 |
| 8 | 8 | 4 | 0.4 |

Class View

|  |  |  |  |
| --- | --- | --- | --- |
| Experience | No of papers | No of past reviews | Tag Similarity |
| x>20 | x>20 | x>20 | Yes |
| 5<x<10 | 0<x<5 | 0<x<5 | Yes |
| 0<x<5 | 0<x<5 | 0<x<5 | No |
| x>20 | x>20 | x>20 | Yes |
| 5<x<10 | 5<x<10 | 5<x<10 | Yes |
| 15<x<20 | 10<x<15 | 15<x<20 | Yes |
| 10<x<15 | 5<x<10 | 10<x<15 | Yes |
| 10<x<15 | 5<x<10 | 10<x<15 | Yes |
| ` | 15<x<20 | x>20 | Yes |
| 10<x<15 | 5<x<10 | 5<x<10 | No |
| 5<x<10 | 5<x<10 | 0<x<5 | No |

P(C=Yes) = 8/11  
P(C=No) =3/11

Conditional Probability Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Experience** | P(x1) | P(x1|c=yes) | P(x1|c=No) |
| 0<x<5 | 1/11 | 1/10 | 2/5 |
| 5<x<10 | 3/11 | 3/10 | 2/5 |
| 10<x<15 | 3/11 | 3/10 | 2/5 |
| 15<x<20 | 1/11 | 2/10 | 1/5 |
| x>20 | 3/11 | 4/10 | 1/5 |

|  |  |  |  |
| --- | --- | --- | --- |
| **No of papers** | P(x2) | P(x2|c=yes) | P(x2|c=No) |
| 0<x<5 | 2/11 | 2/10 | 2/5 |
| 5<x<10 | 5/11 | 4/10 | 3/5 |
| 10<x<15 | 1/11 | 2/10 | 1/5 |
| 15<x<20 | 1/11 | 2/10 | 1/5 |
| x>20 | 2/11 | 3/10 | 1/5 |

|  |  |  |  |
| --- | --- | --- | --- |
| **No of past reviews** | P(x1) | P(x1|c=yes) | P(x1|c=No) |
| 0<x<5 | 3/11 | 2/10 | 3/5 |
| 5<x<10 | 2/11 | 2/10 | 2/5 |
| 10<x<15 | 2/11 | 3/10 | 1/5 |
| 15<x<20 | 1/11 | 2/10 | 1/5 |
| x>20 | 3/11 | 4/10 | 1/5 |