Query 1：游戏营销实习生

|  |  |  |  |
| --- | --- | --- | --- |
| Retrived | System1 | System2 | System3 |
| Item1 | 1 | 1 | 1 |
| Item2 | 1 | 0 | 1 |
| Item3 | 1 | 1 | 1 |
| Item4 | 0 | 1 | 1 |
| Item5 | 1 | 1 | 1 |
| Item6 | 0 | 1 | 1 |
| Item7 | 1 | 1 | 1 |
| Item8 | 1 | 1 | 1 |
| Item9 | 1 | 1 | 1 |
| Item10 | 0 | 0 | 1 |

ap1 = (1/1+2/2+3/3+4/5+5/7+6/8+7/9)/7 = .86

ap2 = (1/1+2/3+3/4+4/5+5/6+6/7+7/8+8/9)/8 = .83

ap3 = 1\*10/10 = 1

Query 2：上海

|  |  |  |  |
| --- | --- | --- | --- |
| Retrived | System1 | System2 | System3 |
| Item1 | 1 | 1 | 1 |
| Item2 | 1 | 1 | 1 |
| Item3 | 1 | 1 | 1 |
| Item4 | 1 | 1 | 0 |
| Item5 | 0 | 1 | 0 |
| Item6 | 1 | 0 | 1 |
| Item7 | 0 | 1 | 1 |
| Item8 | 1 | 1 | 1 |
| Item9 | 1 | 1 | 1 |
| Item10 | 1 | 1 | 1 |

ap1 = (1/1+2/2+3/3+4/4+5/6+6/8+7/9+8/10)/8 = .895

ap2 = (1/1+2/2+3/3+4/4+5/5+6/7+7/8+8/9+9/10)/9 = .95

ap3 = (1/1+2/2+3/3+4/6+5/7+6/8+7/9+8/10)/8 = .84

Query 3：游戏原画实习生 长沙

|  |  |  |  |
| --- | --- | --- | --- |
| Retrived | System1 | System2 | System3 |
| Item1 | 1 | 1 | 1 |
| Item2 | 0 | 1 | 1 |
| Item3 | 1 | 1 | 1 |
| Item4 | 1 | 1 | 1 |
| Item5 | 1 | 1 | 0 |
| Item6 | 1 | 1 | 1 |
| Item7 | 1 | 0 | 1 |
| Item8 | 1 | 0 | 1 |
| Item9 | 0 | 1 | 0 |
| Item10 | 0 | 1 | 0 |

ap1 = (1/1+2/3+3/4+4/5+5/6+6/7+7/8)/7 = .83

ap2 = (1/1+2/2+3/3+4/4+5/5+6/6+7/9+8/10)/8 = .95

ap3 = (1/1+2/2+3/3+4/4+5/6+6/7+7/8)/7 = .94

Query 4：4天/周 北京

|  |  |  |  |
| --- | --- | --- | --- |
| Retrived | System1 | System2 | System3 |
| Item1 | 1 | 1 | 1 |
| Item2 | 1 | 1 | 1 |
| Item3 | 1 | 1 | 1 |
| Item4 | 1 | 1 | 1 |
| Item5 | 0 | 0 | 1 |
| Item6 | 1 | 1 | 1 |
| Item7 | 1 | 1 | 1 |
| Item8 | 1 | 1 | 1 |
| Item9 | 1 | 0 | 0 |
| Item10 | 1 | 1 | 0 |

ap1 = (1/1+2/2+3/3+4/4+5/6+6/7+7/8+8/9+9/10)/9 = 0.93

ap2 = (1/1+2/2+3/3+4/4+5/6+6/7+7/8+8/10)/8 = .92

ap3 = (1/1+2/2+3/3+4/4+5/5+6/6+7/7+8/8)/8 = 1

Query 5：北京 成都

|  |  |  |  |
| --- | --- | --- | --- |
| Retrived | System1 | System2 | System3 |
| Item1 | 1 | 1 | 1 |
| Item2 | 1 | 1 | 1 |
| Item3 | 1 | 0 | 1 |
| Item4 | 1 | 0 | 1 |
| Item5 | 0 | 0 | 1 |
| Item6 | 1 | 1 | 1 |
| Item7 | 0 | 1 | 1 |
| Item8 | 0 | 1 | 1 |
| Item9 | 1 | 1 | 1 |
| Item10 | 1 | 1 | 1 |

ap1 = (1/1+2/2+3/3+4/4+5/6+6/9+7/10)/7 = .89

ap2 = (1/1+2/2+3/6+4/7+5/8+6/9+7/10)/7 = .72

ap3 = (1\*10/10 = 1

Query 6：150-200/天 游戏测试工程师

|  |  |  |  |
| --- | --- | --- | --- |
| Retrived | System1 | System2 | System3 |
| Item1 | 1 | 1 | 1 |
| Item2 | 1 | 1 | 1 |
| Item3 | 1 | 1 | 1 |
| Item4 | 1 | 1 | 1 |
| Item5 | 1 | 0 | 0 |
| Item6 | 0 | 0 | 0 |
| Item7 | 0 | 0 | 1 |
| Item8 | 0 | 1 | 0 |
| Item9 | 1 | 1 | 0 |
| Item10 | 1 | 1 | 0 |

ap1 = (1/1+2/2+3/3+4/4+5/5+6/9+7/10)/7 = .91

ap2 = (1/1+2/2+3/3+4/4+5/8+6/9+7/10)/7 = .86

ap3 = (1/1+2/2+3/3+4/4+5/7)/5 = .942

map

|  |  |  |  |
| --- | --- | --- | --- |
| Query--ap | Ap1 | Ap2 | Ap3 |
| 1 | .86 | .83 | 1 |
| 2 | .895 | .95 | .84 |
| 3 | .83 | .95 | .94 |
| 4 | .93 | .92 | 1 |
| 5 | .89 | .72 | 1 |
| 6 | .91 | .86 | .942 |
| map | .886 | .872 | .954 |

map3 > map1 > map2

So system3 is better, and system3 and system1.