**EXPERIMENT DOCUMENT**

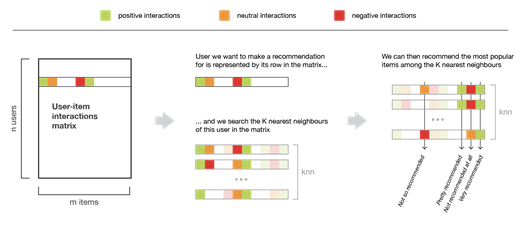
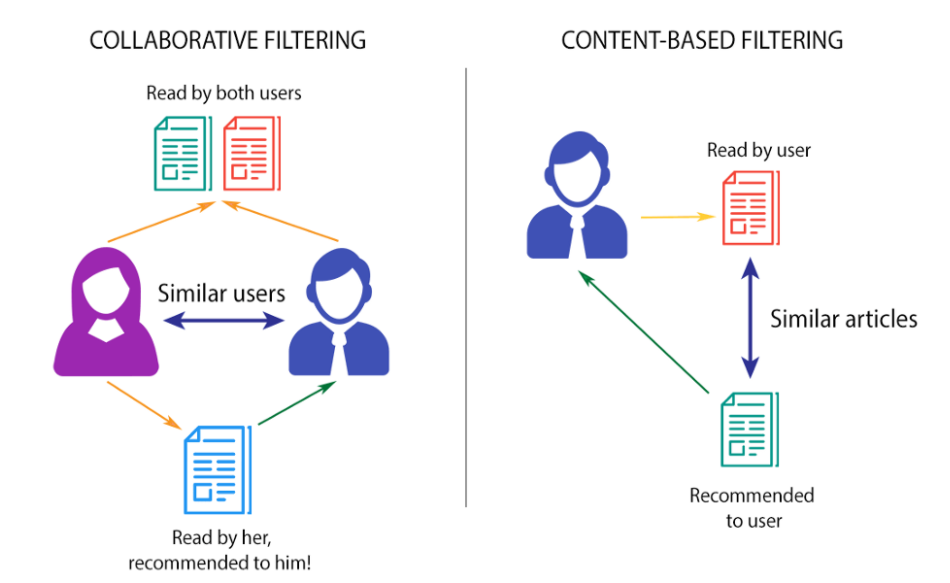
|  |  |
| --- | --- |
| Dropped\_columns | ['Id','city'] |
| One\_hot\_encoded\_columns | ['car\_ownership','house\_ownership','married','current\_job\_years','current\_house\_years','experience','state','profession'] |
| Metrics |  |
| Dropped\_columns | ['Id','city','state','profession'] |
| One\_hot\_encoded\_columns | ['car\_ownership','house\_ownership','married','current\_job\_years','current\_house\_years','experience'] |
| Metrics |  |
| Dropped\_columns | ['Id','city','state','married'] |
| One\_hot\_encoded\_columns | ['car\_ownership','house\_ownership','married','current\_job\_years','current\_house\_years','experience','profession'] |
| merics |  |
| Dropped\_columns | ['Id','city','car\_ownership','house\_ownership','current\_job\_years'] |
| One\_hot\_encoded\_columns | ['current\_house\_years','experience','profession','state','married'] |
| merics |  |
|  |  |
|  |  |
|  |  |

The earlier Experiments using different data shape

|  |  |
| --- | --- |
| Dropped | ID, city |
| One Hot | state, profession |
| Ordinal | 'car\_ownership','house\_ownership','married' |
|  |  |

|  |  |
| --- | --- |
| Dropped | ID, city,state, profession |
| One Hot |  |
| Ordinal | 'car\_ownership','house\_ownership','married' |
|  |  |

|  |  |
| --- | --- |
| Dropped | ID, city |
| One Hot | state, profession,'car\_ownership','house\_ownership','married' |
| Ordinal |  |
| Metrics |  |



**WE ALSO USED AND EXPERIMENTED WITH COSINE SIMILARITY.**

BUT KNN using Euclidean distance seemed more appropriate measure to give recommendation in Supervised Machine learning task.

