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Dataset Overview:

	User_ID	Age	Gender	Preferred_Genre	Recommended_Movie	Liked
0	U001	25	F	Action	Edge of Tomorrow	1
1	U002	30	M	Romance	The Notebook	1
2	U003	22	F	Comedy	Paddington 2	1
3	U004	35	M	Thriller	Gone Girl	1
4	U005	28	F	Horror	The Conjuring	0

Descriptive Stats:

	User_ID	Age	Gender	Preferred_Genre	Recommended_Movie	Liked
count	15	15.000000	15	15	15	15.000000
unique	15	NaN	2	13	15	NaN
top	U001	NaN	F	Action	Edge of Tomorrow	NaN
freq	1	NaN	8	2	1	NaN
mean	NaN	29.466667	NaN	NaN	NaN	0.800000
std	NaN	5.974549	NaN	NaN	NaN	0.414039
min	NaN	21.000000	NaN	NaN	NaN	0.000000
25%	NaN	24.500000	NaN	NaN	NaN	1.000000
50%	NaN	29.000000	NaN	NaN	NaN	1.000000
75%	NaN	34.000000	NaN	NaN	NaN	1.000000
max	NaN	40.000000	NaN	NaN	NaN	1.000000

Preferred Genre Distribution



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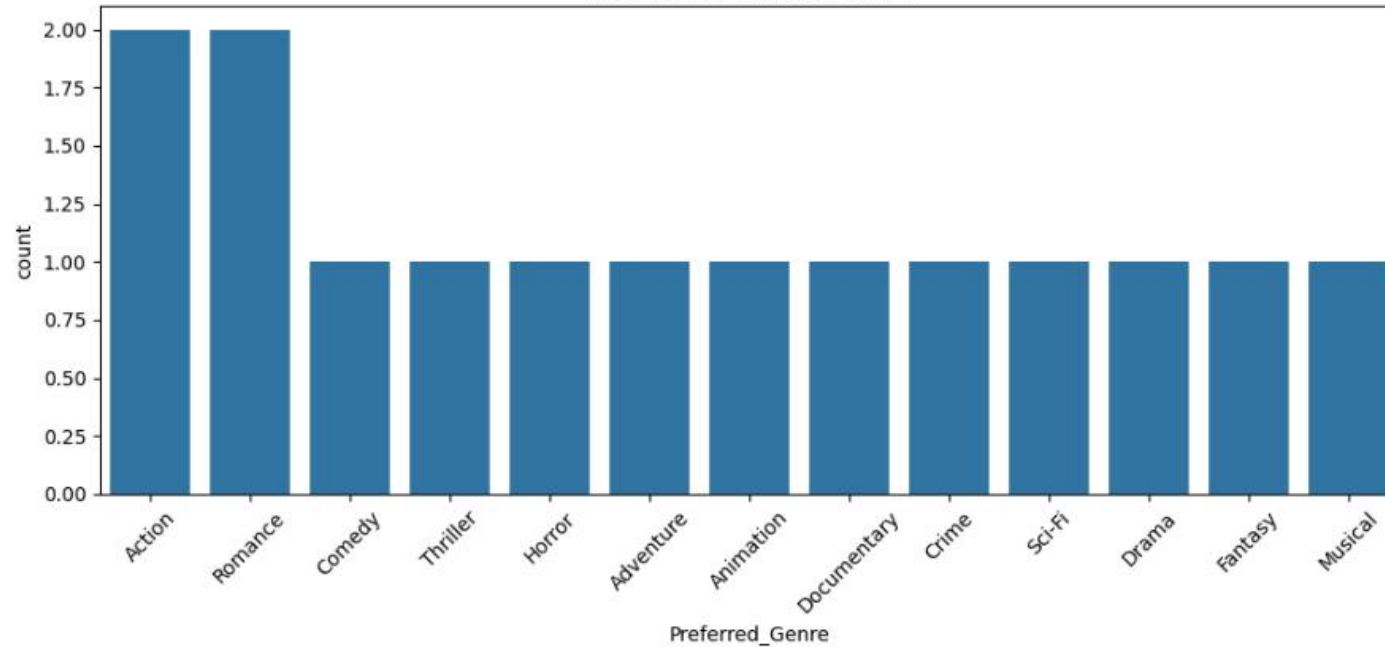


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50%	NaN	29.000000	NaN	NaN	NaN	1.000000
75%	NaN	34.000000	NaN	NaN	NaN	1.000000
max	NaN	40.000000	NaN	NaN	NaN	1.000000

Preferred Genre Distribution



<ipython-input-1-f79fcd364d5e>:45: FutureWarning:

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Action

Romance

Comedy

Thriller

Horror

Adventure

Animation

Documentary

Crime

Sci-Fi

Drama

Fantasy

Musical

Preferred_Genre



<ipython-input-1-f79fcd364d5e>:45: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `x` variable to `hue` and set `legend=False` for the same effect.

```
sns.countplot(data=df, x='Liked', palette='Set2')
```

Movie Liked Distribution



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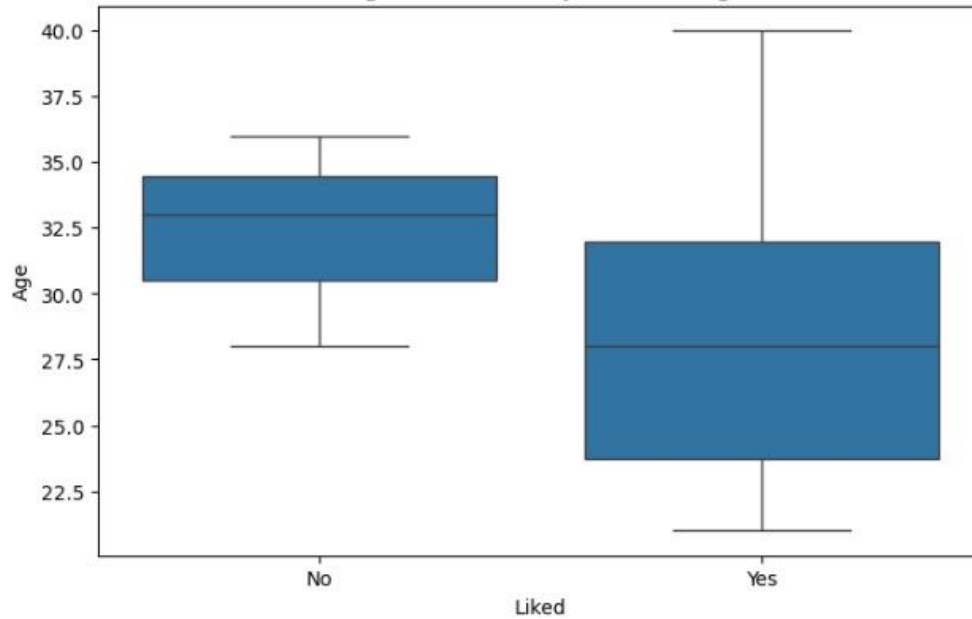


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Age Distribution by Movie Liking



Confusion Matrix:

```
[[0 1]
 [0 2]]
```

Classification Report:

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Confusion Matrix:

```
[[0 1]
 [0 2]]
```

Classification Report:

	precision	recall	f1-score	support
0	0.00	0.00	0.00	1
1	0.67	1.00	0.80	2
accuracy			0.67	3
macro avg	0.33	0.50	0.40	3
weighted avg	0.44	0.67	0.53	3

```
/usr/local/lib/python3.11/dist-packages/sklearn/metrics/_classification.py:1565: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 in labels with no predicted
_warn_prf(average, modifier, f"{metric.capitalize()} is", len(result))
/usr/local/lib/python3.11/dist-packages/sklearn/metrics/_classification.py:1565: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 in labels with no predicted
_warn_prf(average, modifier, f"{metric.capitalize()} is", len(result))
/usr/local/lib/python3.11/dist-packages/sklearn/metrics/_classification.py:1565: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 in labels with no predicted
_warn_prf(average, modifier, f"{metric.capitalize()} is", len(result))
<ipython-input-1-f79fcd364d5e>:96: FutureWarning:
```

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `y` variable to `hue` and set `legend=False` for the same effect.

```
sns.barplot(x=feat_imp, y=feat_imp.index, palette='Blues_d')
```

Feature Importance



Variables Terminal

