







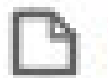














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Name ▲

-  factorial.ipynb
-  IBM\_Employee\_Attriti...
-  MovieLens\_Project.ip...
-  movies.dat
-  ratings.dat
-  README.md
-  resource
-  Untitled.ipynb
-  Untitled1.ipynb
-  Untitled2.ipynb
-  users.dat

Code▼

Python 3 ○

MovieLens Project

[1]: 

```
import numpy as np
import pandas as pd
from pandas import Series, DataFrame
import matplotlib.pyplot as plt
from matplotlib import style
import seaborn as sns
%matplotlib inline
```

Read the file data

[2]: 

```
movies_df = pd.read_csv(
    'movies.dat',
    sep='::',
    names=['MovieID','Title','Genres'],
    engine='python',
    header=None
)
users_df = pd.read_csv(
    'users.dat',
    sep='::',
    names=['UserID','Gender','Age','Occupation','zip-code'],
    engine='python',
    header=None
)
ratings_df = pd.read_csv(
    'ratings.dat',
    sep='::',
    names=['UserID','MovieID','Rating','Timestamp'],
    parse_dates=['Timestamp'],
    engine='python',
```

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Name

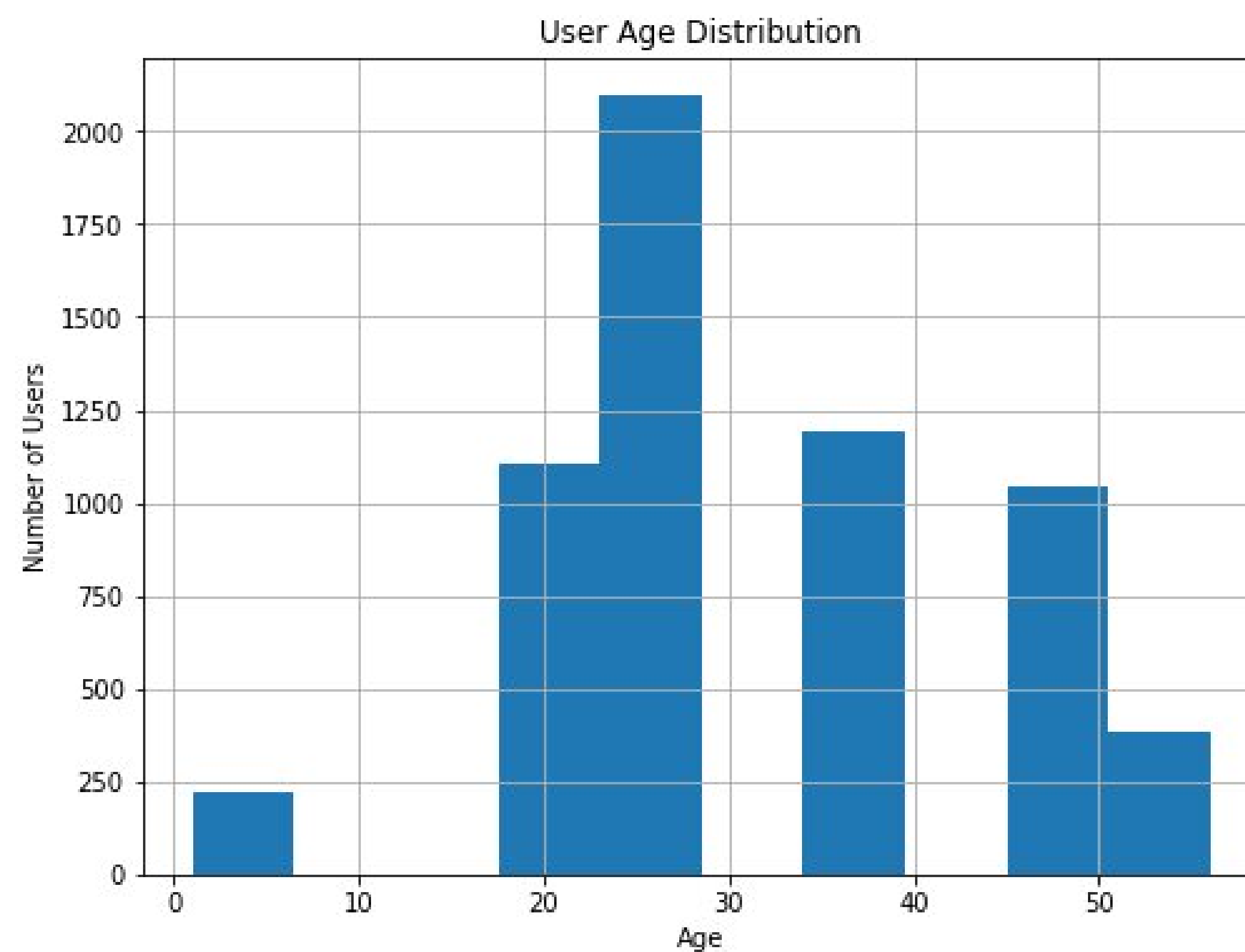
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Movielens\_Project.ipynb

Code

Python 3

```
[13]: # user age distribution
plt.figure(figsize=(8,6))
users_df.Age.hist()
plt.title('User Age Distribution')
plt.xlabel('Age')
plt.ylabel('Number of Users')
plt.show()
```



User rating of the movie "Toy Story"