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In [2]: import pandas as pd
import numpy as np
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In [3]: features = ["Age", "Workclass", "fnlwgt", "Education", "Education-Num", "Marital S",
"Race", "Sex", "Capital Gain", "Capital Loss", "Hours per week", "Cou

df = pd.read_csv('adult.data', names=features)
df
```

Out[3]:

	Age	Workclass	fnlwgt	Education	Education-Num	Marital Status	Occupation	Relationship	Race
0	39	State-gov	77516	Bachelors	13	Never-married	Adm-clerical	Not-in-family	White
1	50	Self-emp-not-inc	83311	Bachelors	13	Married-civ-spouse	Exec-managerial	Husband	White
2	38	Private	215646	HS-grad	9	Divorced	Handlers-cleaners	Not-in-family	White
3	53	Private	234721	11th	7	Married-civ-spouse	Handlers-cleaners	Husband	Black
4	28	Private	338409	Bachelors	13	Married-civ-spouse	Prof-specialty	Wife	Black
...
32556	27	Private	257302	Assoc-acdm	12	Married-civ-spouse	Tech-support	Wife	White
32557	40	Private	154374	HS-grad	9	Married-civ-spouse	Machine-op-inspct	Husband	White
32558	58	Private	151910	HS-grad	9	Widowed	Adm-clerical	Unmarried	White
32559	22	Private	201490	HS-grad	9	Never-married	Adm-clerical	Own-child	White
32560	52	Self-emp-inc	287927	HS-grad	9	Married-civ-spouse	Exec-managerial	Wife	White

32561 rows × 15 columns



https://rstudio-pubs-static.s3.amazonaws.com/538563_85cb2b4cd06b4dc48d33de73fa97a297.html

<https://archive.ics.uci.edu/dataset/2/adult>

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In [ ]:
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In [4]: df['Sex'].value_counts()
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Out[4]: Male      21790  
Female    10771  
Name: Sex, dtype: int64
```

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In [ ]:
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In [5]: age_mean_by_sex = df.groupby('Sex')['Age'].mean()  
  
print(age_mean_by_sex)
```

```
Sex  
Female    36.858230  
Male      39.433547  
Name: Age, dtype: float64
```

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In [ ]:
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In [6]: age_mean_by_target = df.groupby('Target')['Age'].mean()  
  
print(age_mean_by_target)
```

```
Target  
<=50K    36.783738  
>50K     44.249841  
Name: Age, dtype: float64
```

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In [ ]:
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In [7]: age_std_by_target = df.groupby('Target')['Age'].std()  
  
print(age_std_by_target)
```

```
Target  
<=50K    14.020088  
>50K     10.519028  
Name: Age, dtype: float64
```

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In [ ]:
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In [ ]:
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