4/24/25, 7:12 PM PPML/engg\_feature\_1\_Jency.ipynb at main · Jency22/PPML · GitHub

In [1]: **import** pandas **as** pd

**import** numpy **as** np

df **=** pd**.**DataFrame({'Age': [42, 15, 67, 55, 1, 29, 75, 89, 4, 10, 15, 38, 22, 77]})

print("Before: \n")

print(df)

df['Label'] **=** pd**.**cut(x**=**df['Age'], bins**=**[0, 3, 17, 63, 99], labels**=**['Baby/Toddler', 'Ch

print("After: \n")

print(df)

print("Categories: \n")

print(df['Label']**.**value\_counts())

<ipython-input-1-41a28d6cd179>:1: DeprecationWarning:

Pyarrow will become a required dependency of pandas in the next major release of pandas (pandas 3.0),

(to allow more performant data types, such as the Arrow string type, and better interope rability with other libraries)

but was not found to be installed on your system.

If this would cause problems for you,

please provide us feedback at https://github.com/pandas-dev/pandas/issues/54466

import pandas as pd

Before:

Age

0 42

1 15

2 67

3 55

4 1

5 29

6 75

7 89

8 4

9 10

10 15

11 38

12 22

13 77

After:

Age Label

0 42 Adult

1 15 Child

2 67 Elderly

3 55 Adult

4 1 Baby/Toddler

5 29 Adult

6 75 Elderly

7 89 Elderly

8 4 Child

9 10 Child

10 15 Child

11 38 Adult

12 22 Adult

13 77 Elderly

Categories:

Label

Adult 5

Child 4

Elderly 4

Baby/Toddler 1

Name: count, dtype: int64

https://github.com/Jency22/PPML/blob/main/engg\_feature\_1\_Jency22