Machine Learning in Finance

Week 2 LAB LOGBOOK

```
import pandas as pd
data = {
     'relationship': ['Husband', 'Wife', 'Own-child', 'Not-in-family',
'Unmarried', 'Wife', 'Husband'],
     'hours-per-week': [40, 35, 20, 45, 30, 25, 50]
}
df = pd.DataFrame(data)
sid = 2461075
n = sid % 10
if n == 0:
    n = 10
def reduce hours(x):
     return x - n
df['reduced_hours'] = df['hours-per-week'].apply(reduce_hours)
grouped = df.groupby(['relationship',
'reduced_hours']).size().reset_index(name='count')
print(df)
print(grouped)
👻 🎨 Students and staff - ARU X | 😌 Machine Learning in Fine X | 🛈 (1) WhatsApp X 💢 Week 2 Pandas Introdu: X 🚳 Group by relationship as: X | + - 🗸 X
← → ♂ ≒ collab.research.google.com/drive/1XgUn103feWpp9N8Mj22H84x5jb3MKKZH#scrollTo=3onfOEVnrhTs ☆ ♡ 🕁 🕲 Verify if's you :
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Q Commands + Code + Text ▶ Run all ▼
import pandas as pd
                                                   }
df = pd.DataFrame(data)
       sid = 2461075
n = sid % 10
if n == 0:
n = 10
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 () Variables 🗔 Terminal
```

