Expense_Analyze

January 18, 2021

I created this jupyter notebook to pull the data from the SQLite DB and create simple Analysis using graphs etc

```python
[1]: import pandas as pd
     import sqlite3 as sql
     import numpy as np
     from matplotlib import pyplot as plt
```

```python
[2]: #Creating connection
     database = "expense_track.db"
     connection = sql.connect(database)
```

```python
[3]: #Testing to see if the query works
     query = "SELECT * FROM ExpenseLog"
```

```python
[4]: #Converting to Dataframe
     df = pd.read_sql_query(query, connection)
     df = df.sort_values(by = "Date")
     #df.style.hide_index()
```

```python
[5]: df["Date"] = pd.to_datetime(df.Date)
```

```python
[6]: df_pivot = df.pivot_table(values = "Amount", index = ["Date"], columns =␣
     ↪["Category"], aggfunc = "sum")
```

```python
[7]: df_pivot.plot(kind = "bar", xlabel="Date", ylabel="Amount Spent",␣
     ↪title="Expense Tracker",
                          figsize=(15,8))
```

```
[7]: <AxesSubplot:title={'center':'Expense Tracker'}, xlabel='Date', ylabel='Amount
     Spent'>
```

Expense Tracker