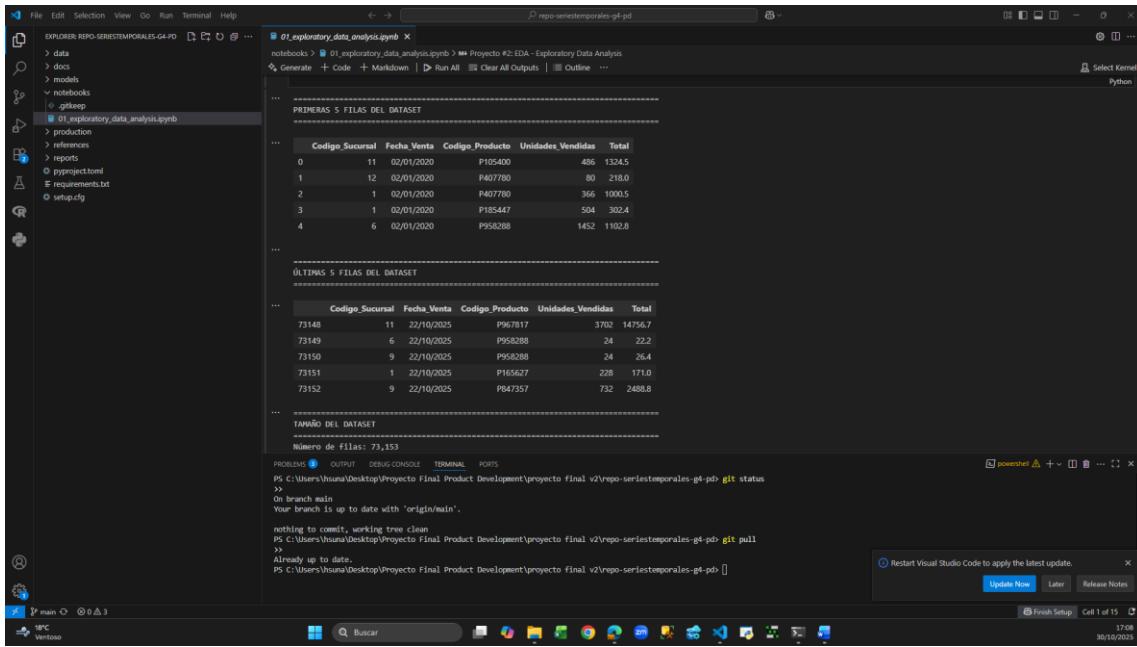


Link github proyecto

<https://github.com/Christian-Vinicio/repo-seriestemporales-g4-pd.git>

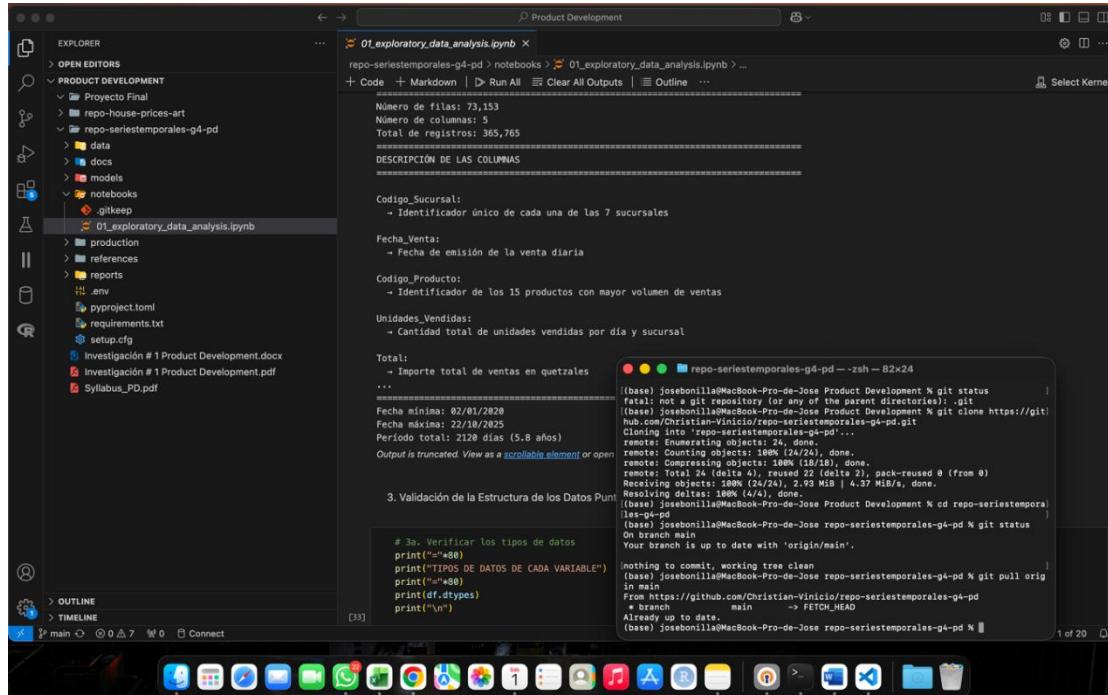
Marcela Sun



The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure with notebooks, models, and other files.
- Code Editor:** Displays the content of the notebook '01\_exploratory\_data\_analysis.ipynb'.
- Terminal:** Shows command-line output related to a git repository named 'repo-seriestemporales-g4-pd'.
- Status Bar:** Shows system information like battery level (84%), network (WIFI), and date (10/10/2025).

Jose Bonilla



The screenshot shows a Visual Studio Code interface with the following details:

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Christian Juarez

File Edit Selection View Go Run Terminal Help

REPO SERIESTEMPORALES-G4-PD

01\_exploratory\_data\_analysis.ipynb

notebooks > 01\_exploratory\_data\_analysis.ipynb

File Project #2: EDA - Exploratory Data Analysis

Generate + Code Markdown Run All Restart Clear All Outputs Jupyter Variables Outline

venv\_papd\_proyecto (Python 3.10.19)

EXPLORER

data docs models notebooks 01\_exploratory\_data\_analysis.ipynb

production references reports env pyproject.toml requirements.txt setup.cfg

2025-10-06T00:00:000000000

2025-10-13T00:00:000000000

2025-10-20T00:00:000000000

0 0 0 0 0 0 0

Sucursal

100000  
50000

# 9 Ventas Totales - ACF & PACF

```
ts_total = df.groupby(['Fecha_Venta'])['total'].sum()
plt.figure(figsize=(12,4))
plt.plot(ts_total, linewidth=2)
plt.title("Serie de Tiempo - Ventas Totales")
plt.grid(alpha=0.3)
plt.show()

# ACF
plot_acf(ts_total, lags=30)
plt.title("Autocorrelación (ACF) - Ventas Totales")
plt.show()

# PACF
plot_pacf(ts_total, lags=30, method='y')
plt.title("Autocorrelación Parcial (PACF) - Ventas Totales")
plt.show()

#Ventas por Sucursal - ACF & PACF

# Serie por sucursal
ts_sucursal = df.groupby(['Fecha_Venta','Codigo_Sucursal'])[['total']].sum().unstack().fillna(0)

for suc in ts_sucursal.columns:
    print(f"\n{sucessor} ->>> Sucursal [{suc}] -----")
    plt.figure(figsize=(12,4))
    plt.plot(ts_sucursal[suc])
    plt.title(f"Ventas por Sucursal [{suc}]")
```

MINGW64\l0\OneDrive - Universidad Galileo\Galileo\Maestría\Trimestre 8\Proyecto #2\Exploratory Data Analysis\01\_exploratory\_data\_analysis.ipynb

```
[infoklein@l0 MINGW64 /OneDrive - Universidad Galileo\Galileo\Maestría\Trimestre 8\Proyecto #2\Exploratory Data Analysis\01_exploratory_data_analysis.ipynb]$ git status
On branch main
Your branch is up to date with "origin/main".
nothing to commit, working tree clean

[infoklein@l0 MINGW64 /OneDrive - Universidad Galileo\Galileo\Maestría\Trimestre 8\Proyecto #2\Exploratory Data Analysis\01_exploratory_data_analysis.ipynb]$ git pull
Already up to date.

[infoklein@l0 MINGW64 /OneDrive - Universidad Galileo\Galileo\Maestría\Trimestre 8\Proyecto #2\Exploratory Data Analysis\01_exploratory_data_analysis.ipynb]$
```

CHAT

Build with agent mode

All responses may be inaccurate.

Generate Agent instructions to onboard AI onto your codebase.

Cell 1 of 1