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Trusted

JupyterLab      Python 3 (ipykernel)

[1]:
```python
import os
import pandas as pd
from synthetic_generator_core import generate_market_shock_dataset

# 📁 Output folder
output_folder = "market_shock_datasets"
os.makedirs(output_folder, exist_ok=True)

# ⚙ Configurations
difficulty_levels = ["easy", "medium", "hard", "extreme"]
seeds_per_level = [1, 2, 3]   # You can add more for variation

# 📊 Generate and save
for level in difficulty_levels:
    for seed in seeds_per_level:
        df = generate_market_shock_dataset(difficulty=level, random_state=seed)
        filename = f"marketshock_{level}_s{seed}.csv"
        filepath = os.path.join(output_folder, filename)
        df.to_csv(filepath, index=False)
        print(f"[✅] Saved {filename}")
```

```
[✅] Saved marketshock_easy_s1.csv
[✅] Saved marketshock_easy_s2.csv
[✅] Saved marketshock_easy_s3.csv
[✅] Saved marketshock_medium_s1.csv
[✅] Saved marketshock_medium_s2.csv
[✅] Saved marketshock_medium_s3.csv
[✅] Saved marketshock_hard_s1.csv
[✅] Saved marketshock_hard_s2.csv
[✅] Saved marketshock_hard_s3.csv
[✅] Saved marketshock_extreme_s1.csv
[✅] Saved marketshock_extreme_s2.csv
[✅] Saved marketshock_extreme_s3.csv
```

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