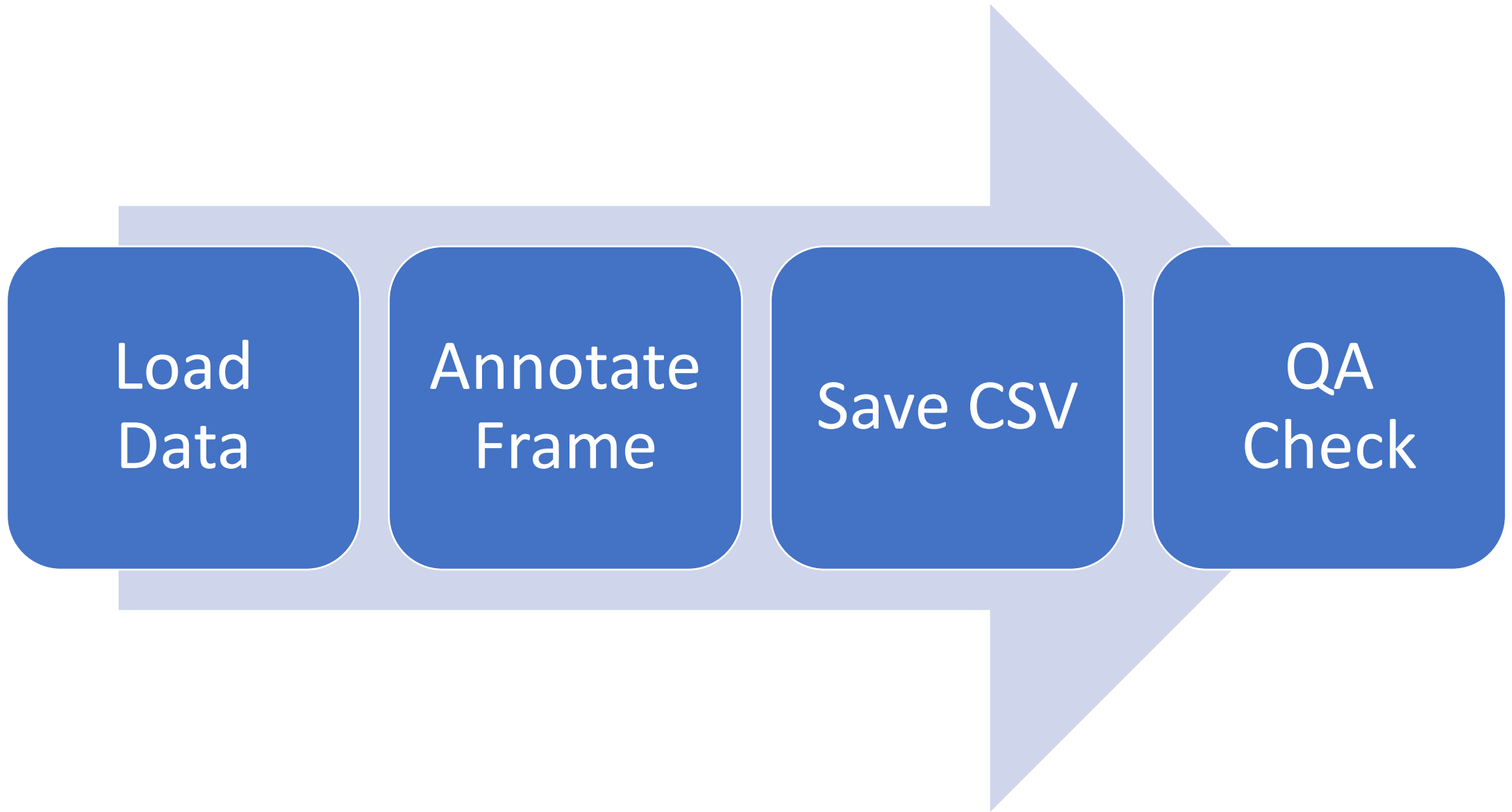# PORTFOLIO INDEX

Annotation Flow & Python snippet

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Annotation Flow & Python snippet

Python Coding in Jupyter Lab

localhost:8888/lab/tree/dashboard.ipynb

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Code — Python 3 (ipykernel)

Name	Modified
previous versions	23 hr. ago
backtest_trades.csv	12 days ago
backtest_trades.xlsx	12 days ago
backtester.py	12 days ago
clean_all.bat	yesterday
clean_highrr.py	yesterday
clean_trades.py	yesterday
config.py	13 days ago
connect_mt5.py	12 days ago
dashboard.ipynb	7 days ago
data_fetcher.py	13 days ago
heartbeat_highrr.txt	7 sec. ago
heartbeat.txt	11 sec. ago
Jupyter Lab codes Step by St...	12 days ago
live_trader_highrr.py	9 hr. ago
live_trader_phase1.py	yesterday
live_trades_highrr.csv	yesterday
live_trades.csv	yesterday
run_strategy.py	12 days ago
signal_engine.py	12 days ago
Strategy file.txt	12 days ago
the5ers_tracker.py	8 days ago
trendline_detector.py	12 days ago
utils.py	13 days ago
visualizer.py	12 days ago
walkforward.py	12 days ago

dashboard.ipynb

```python
# Cell 1: ALL Imports
from connect_mt5        import connect_to_mt5, fetch_data
from trendline_detector import detect_pivots
from signal_engine      import add_indicators
from backtester         import backtest_signals
from visualizer         import plot_signals, plot_pivots_and_signals, plot_trades_with_sl_tp

import pandas as pd
```

```python
symbol    = "XAUUSD"
timeframe = "H1"
bars      = 500

atr_mult  = 1.5      # ATR multiplier for SL
rr_ratio  = 2.0      # Risk/Reward ratio
```

```python
# 1) Initialize connection
if not connect_to_mt5():
    raise SystemExit("Failed to connect to MT5. Check credentials in connect_mt5.py")

# 2) Pull historical bars
df = fetch_data(symbol=symbol, timeframe=timeframe, bars=bars)

print(f"✅ Fetched {len(df)} bars for {symbol} at {timeframe}")
```

```
✅ Connected to MT5

---------------------------------------------------------------------------
KeyError                                  Traceback (most recent call last)
Cell In[3], line 6
      3     raise SystemExit("Failed to connect to MT5. Check credentials in connect_mt5.py")
      5 # 2) Pull historical bars
----> 6 df = fetch_data(symbol=symbol, timeframe=timeframe, bars=bars)
      8 print(f"✅ Fetched {len(df)} bars for {symbol} at {timeframe}")

File ~\Documents\trading_magic\connect_mt5.py:34, in fetch_data(symbol, timeframe, bars)
     32 rates = mt5.copy_rates_from_pos(symbol, tf, 0, bars)
     33 df = pd.DataFrame(rates)
----> 34 df['time'] = pd.to_datetime(df['time'], unit='s')
```

Simple | 1 | Python 3 (ipykernel) | Idle | Mode: Command | Ln 1, Col 1 | dashboard.ipynb

Heatmap + MT5 dashboard

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dashboard.ipynb

Code   Python 3 (ipykernel)

```python
ax.set_xticklabels(exp_pivot.columns)
ax.set_yticklabels(exp_pivot.index)
plt.xlabel("RR Ratio"); plt.ylabel("ATR Multiplier")
plt.title("Strategy Expectancy Heatmap")
for i in range(len(exp_pivot.index)):
    for j in range(len(exp_pivot.columns)):
        txt = f"{exp_pivot.values[i,j]:.2f}"
        ax.text(j, i, txt, ha='center', va='center', color='black')
fig.colorbar(c, ax=ax, label='Expectancy')
plt.show()
```

Name	Modified
previous versions	23 hr. ago
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heartbeat.txt	7 sec. ago
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trendline_detector.py	12 days ago
utils.py	13 days ago
visualizer.py	12 days ago
walkforward.py	12 days ago

Strategy Expectancy Heatmap

ATR Multiplier \ RR Ratio	1.0	1.5	2.0	2.5	3.0
1.0	0.39	0.55	0.71	0.75	0.62
1.25	0.37	0.43	0.50	0.20	-0.43
1.5	0.29	0.47	0.32	-0.42	-0.81
1.75	0.19	0.28	-0.31	-0.68	-1.00
2.0	0.30	0.25	-0.50	-1.00	-1.00

```python
[21]: !pip install pandas_ta --quiet
```

Simple   1   Python 3 (ipykernel) | Idle   Mode: Command   Ln 1, Col 1   dashboard.ipynb

Trade Log & Excel snapshot

Symbol	direction	entry_time	entry_price	exit_time	exit_price	sl	tp	result
XAUUSD	LONG	2025-06-13 07:00:00	3414.933	2025-06-24 12:00:00	3315.4785	3315.4785	3613.842	LOSS
XAUUSD	SHORT	2025-06-13 13:00:00	3437.003	2025-06-27 12:00:00	3271.625	3519.692	3271.625	WIN
XAUUSD	SHORT	2025-06-15 22:00:00	3448.312	2025-06-24 06:00:00	3329.344	3507.796	3329.344	WIN
XAUUSD	LONG	2025-06-16 07:00:00	3412.619	2025-06-20 05:00:00	3349.931	3349.931	3537.995	LOSS
XAUUSD	SHORT	2025-06-16 11:00:00	3415	2025-06-27 07:00:00	3289.624	3477.688	3289.624	WIN
XAUUSD	LONG	2025-06-16 13:00:00	3388.131	2025-06-27 07:00:00	3285.3825	3285.3825	3593.628	LOSS
XAUUSD	LONG	2025-06-16 19:00:00	3384.094	2025-06-24 06:00:00	3324.136	3324.136	3504.01	LOSS
XAUUSD	SHORT	2025-06-17 00:00:00	3394.191	2025-06-27 12:00:00	3274.275	3454.149	3274.275	WIN
XAUUSD	LONG	2025-06-17 03:00:00	3387.583	2025-06-24 09:00:00	3320.5855	3320.5855	3521.578	LOSS
XAUUSD	SHORT	2025-06-17 11:00:00	3388.635	2025-06-27 03:00:00	3299.256	3433.3245	3299.256	WIN
XAUUSD	LONG	2025-06-17 14:00:00	3385.032	2025-06-24 06:00:00	3330.447	3330.447	3494.202	LOSS
XAUUSD	SHORT	2025-06-17 22:00:00	3388.854	2025-06-27 07:00:00	3286.482	3440.04	3286.482	WIN
XAUUSD	LONG	2025-06-18 02:00:00	3379.393	2025-06-24 05:00:00	3332.2075	3332.2075	3473.764	LOSS
XAUUSD	SHORT	2025-06-18 04:00:00	3395.176	2025-06-27 07:00:00	3293.38	3446.074	3293.38	WIN
XAUUSD	SHORT	2025-06-18 13:00:00	3392.333	2025-06-24 13:00:00	3304.265	3436.367	3304.265	WIN
XAUUSD	LONG	2025-06-18 20:00:00	3368.584	2025-06-24 12:00:00	3317.017	3317.017	3471.718	LOSS
XAUUSD	SHORT	2025-06-19 01:00:00	3374.895	2025-06-27 12:00:00	3271.761	3426.462	3271.761	WIN
XAUUSD	LONG	2025-06-19 06:00:00	3357.345	2025-06-27 07:00:00	3284.7885	3284.7885	3502.458	LOSS
XAUUSD	LONG	2025-06-19 13:00:00	3369.573	2025-06-24 13:00:00	3308.805	3308.805	3491.109	LOSS
XAUUSD	SHORT	2025-06-19 17:00:00	3373.455	2025-06-27 12:00:00	3278.673	3420.846	3278.673	WIN
XAUUSD	LONG	2025-06-20 06:00:00	3345.266	2025-06-27 03:00:00	3294.5735	3294.5735	3446.651	LOSS
XAUUSD	LONG	2025-06-20 12:00:00	3344.444	2025-06-27 03:00:00	3299.294	3299.294	3434.744	LOSS