

Python vs Excel for Finance

Feature	Excel	Python
Data Size	Limited (1M rows)	Unlimited
Automation	Manual/Macros	Full Scripts
Reproducibility	Low	High
Version Control	Difficult	Git Integration
Visualization	Built-in Charts	Custom Libraries
Speed	Slow (large data)	Fast
Learning Curve	Easy	Moderate

Best for Excel:

- Quick calculations
- Small datasets (<10K rows)
- Visual exploration
- Ad-hoc analysis

Best for Python:

- Large datasets (>100K rows)
- Automated workflows
- Machine learning
- Production systems