



Modern Data Analytics in Excel workshops

At a glance:

- Two-day Excel data analytics workshop
- Up to 20 in-person or 35 online participants

What you'll get:

- Approximately twelve hours of hands-on, demo-driven instruction
- Step-by-step demo notes and handouts
- Supplemental video content

Overview

If you haven't modernized your data cleaning & reporting processes in Microsoft Excel, you're missing out on big productivity gains. And if you're looking to conduct rigorous data analysis, more can be done in Excel than you think.

By the end of this two-day workshop, you'll be able to build reports and analyses that were previously difficult or impossible to do in Excel.

Workshop benefits

As part of this workshop, your team will be able to:

- Structure data in Excel in a way that maximizes efficiency and minimizes error
- Connect to Excel workbooks, CSV files and other data sources without file conversions or other workarounds
- Build fully repeatable data cleaning processes that are refreshed and updated with no hassle
- Construct compelling dashboards, visualizations and metrics using relational data modeling
- Leverage artificial intelligence and natural language querying to explore and generate insights



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What makes this workshop different

I know there are lots of places to learn Excel these days. What distinguishes this workshop is that it's:

- **Participative.** The quicker you apply what you learn, the more likely you are to retain it. This is literally a hands-on workshop where attendees will have plenty of time on the keyboard to try the concepts out for themselves with demos, activities and more.
- **Authoritative.** The workshop is designed and led by me, George Mount. I run my own analytics consultancy and am both an author with O'Reilly Media and Microsoft MVP.
- **Topical.** No fake, boring data sources and examples here. Upon request, I will design the workshop to use data from your own organization or industry. In any case, I'll use a variety of real world and fun datasets.

Due to their hands-on and participative nature, sessions work best for groups of up to 20 in-person or 35 online participants.

Elements of "Modern Excel"

- Power Query: Build repeatable processes for data cleaning
- Power Pivot: Create compelling dashboards and analyses
- Predictive analytics: Use Azure and AI-powered insights to guide your exploration



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Who should attend

This workshop is designed specifically with corporate finance and FP&A analysts in mind. However, adjacent roles such as those in accounting or operations may also benefit. Some typical job titles:

- Financial analysts
- Data analysts
- Accountants
- Controllers
- Operations analysts

Ideally, attendees will have some familiarity with intermediate Excel topics such as PivotTables or lookup functions such as VLOOKUP() or XLOOKUP().

There is no coding experience required to attend this workshop.

About your instructor

- George Mount,
founder of Stringfest
Analytics
- Author of *Advancing
into Analytics*
(O'Reilly Media,
2021)
- Awarded Microsoft's
Most Valuable
Professional (MVP)
award for technical
excellence &
community
contributions



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Agenda

This is an example of what might be covered in the workshop. Each section includes both instructor demonstrations and time for learner exercises.

- **Data profiling with Power Query:** What is “extract, transform, load,” anyway? We’ll look at how this process works in Power Query and why it matters, along with taking some first steps for profiling and cleaning the data.
- **Efficient reporting with Power Pivot:** How do you avoid memory-draining “Frankentables” and build relational data models and reports right from Excel? We’ll look at Power Pivot and DAX for data analysis in Excel.
- **Efficient analyzing with dynamic array functions:** Spreadsheets started as a “visual calculator” and dynamic array functions live true to that conception. Learn how to build quick, responsive formulas for easy analysis.
- **Augmented analytics and the future of Excel:** Where is data analytics headed, and can Excel keep up? We’ll look at how to use predictive analytics and artificial intelligence inside and outside of Excel to make the most of your data.
- **Interfacing with Python:** Python has become the glue that binds today’s data analytics stack. We’ll look at how to both automate boring processes and build compelling analyses with this programming language.

Software requirements

- For best results, please have the desktop version of Excel for Windows 365 installed.
- A cloud-based instance of Python will be made available to use during the session as needed.
- I’ll work with your team to test the setup ahead of time.



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Get started

Ready to get the most of modern Excel for data analytics? Drop me a line below and I'll be in touch shortly to get started.

Drop me a line at <https://stringfestanalytics.com/contact/> and I'll be in touch shortly to get started. To help me get an accurate proposal to you quickly, please let me know the number of participants you expect, your preference for online vs onsite, whether you have custom datasets you'd like to feature or any special requests.

I look forward on build your team's analytics talent with Excel together.



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