

Tax Executives Institute Technology Boot Camp

AN INTRODUCTION TO MICROSOFT GET & TRANSFROM





Presenters:



Jeff Bogan, CPA – Managing Director

 20 years of public accounting experience and the leader of Armanino's tax technology practice



Brandon Radlinger, CPA – Senior Associate

 4 years of experience in public accounting with a strong emphasis in automation, data cleansing, and process standardization





Learning Objectives

Objective of Course:

- Provide an overview of the data life cycle and how it applies to tax processes and tax calculations.
- Describe the challenges faced by tax professionals in transforming data for tax purposes.
- Introduce Microsoft Get & Transform (aka Power Query) and demonstrate functionality.
- Gain "hands-on" experience with Get & Transform through a case study.

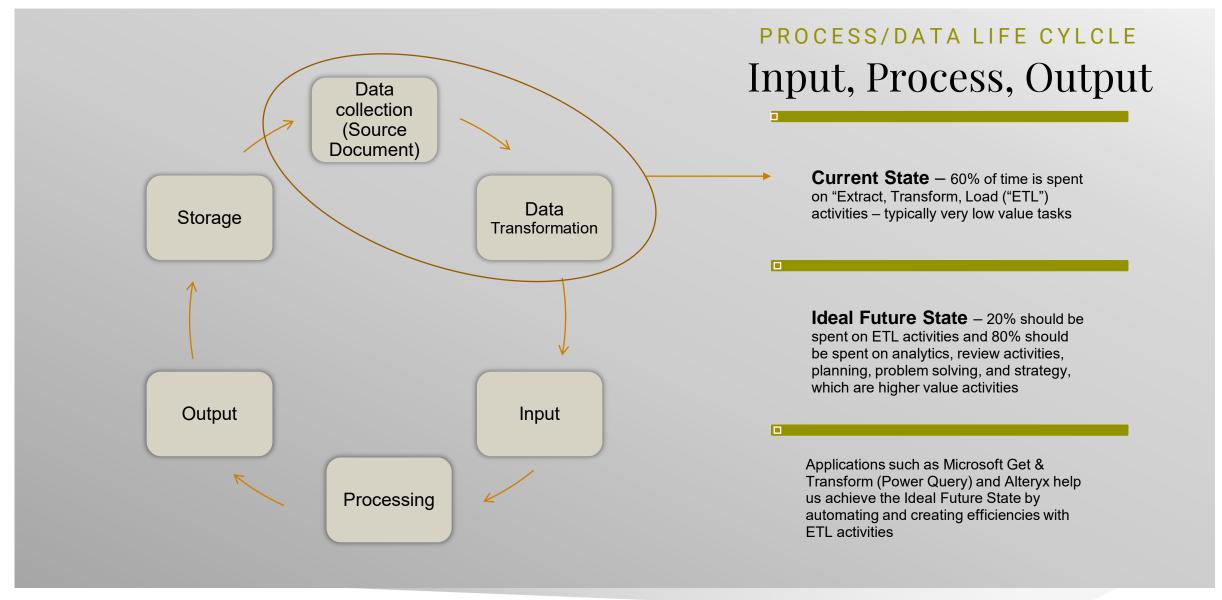




Agenda for Today

- The Data Life Cycle
- Overview of Get & Transform (Power Query)
- Case Studies
- Create Visualizations in PowerBI









MICROSOFT EXCEL

Get & Transform

- Get & Transform is a data-transformation tool housed within Microsoft Excel and Power BI
- Data often arrives in unstructured formats, which makes the ETL (extract, transform, and load) process a tedious process of manual workarounds
- Get & Transform speeds up the process by cleaning and organizing raw data through automation, which ultimately assists the analytical task of uncovering observations and trends



DOING IT RIGHT

What Is a Proper Data Set?

NOT Proper

Division	Legal Entity	2020 Income Tax Expense	
101	Ross Corp	100000	
101	Rachel Corp	24000	
101	Joey Corp	12000	
101	Monica Corp	32000	
101	Phoebe Corp	15000	
101	Chandler Corp	21000	
	Subtotal	204000	
102	Cam Corp	3000	
102	Mitch Corp	1200	
102	Phil Corporation	32400	
102	Alex Corp	1200	
102	Manny Corp	1250	
102	Jay Corporation	3210	
	Subtotal	42260	
	Grand Total		246260
wihout Manny	245010		

Proper

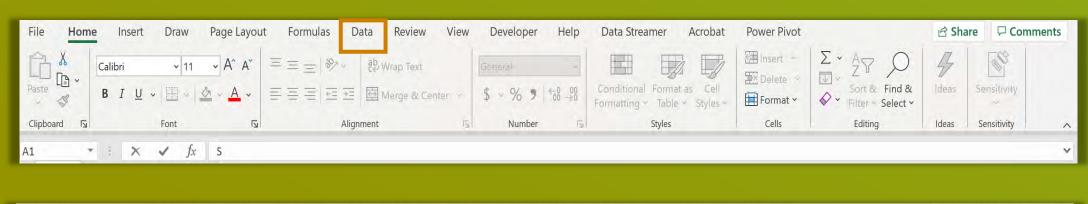
Division 🔻 Legal Entity 🔻	2020 Income Tax Expense 🔻
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101 Joey Corp	12000
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101 Chandler Corp	21000
102 Cam Corp	3000
102 Mitch Corp	1200
102 Phil Corporation	32400
102 Alex Corp	1200
102 Manny Corp	1250
102 Jay Corporation	3210

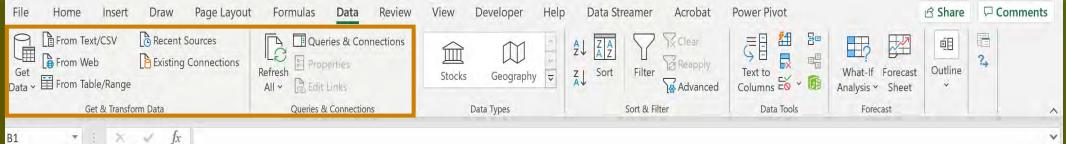




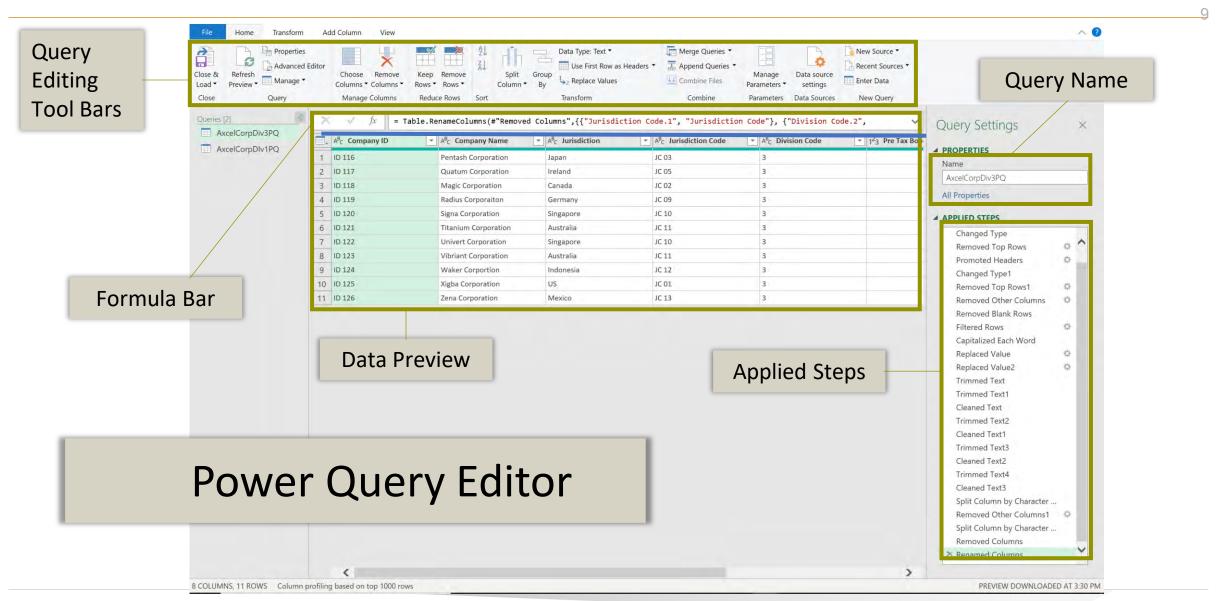
HOW TO

Locating Get & Transform Functions



















MICROSOFT

Power BI

Power BI is a standalone Microsoft business intelligence product, which includes both desktop and web-based applications for loading, modeling, and visualizing data

More information at powerbi.microsoft.com

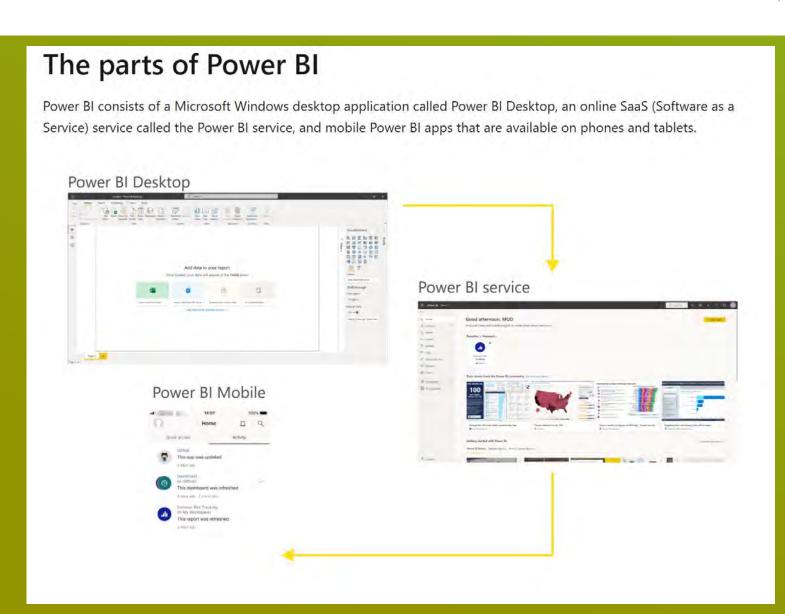


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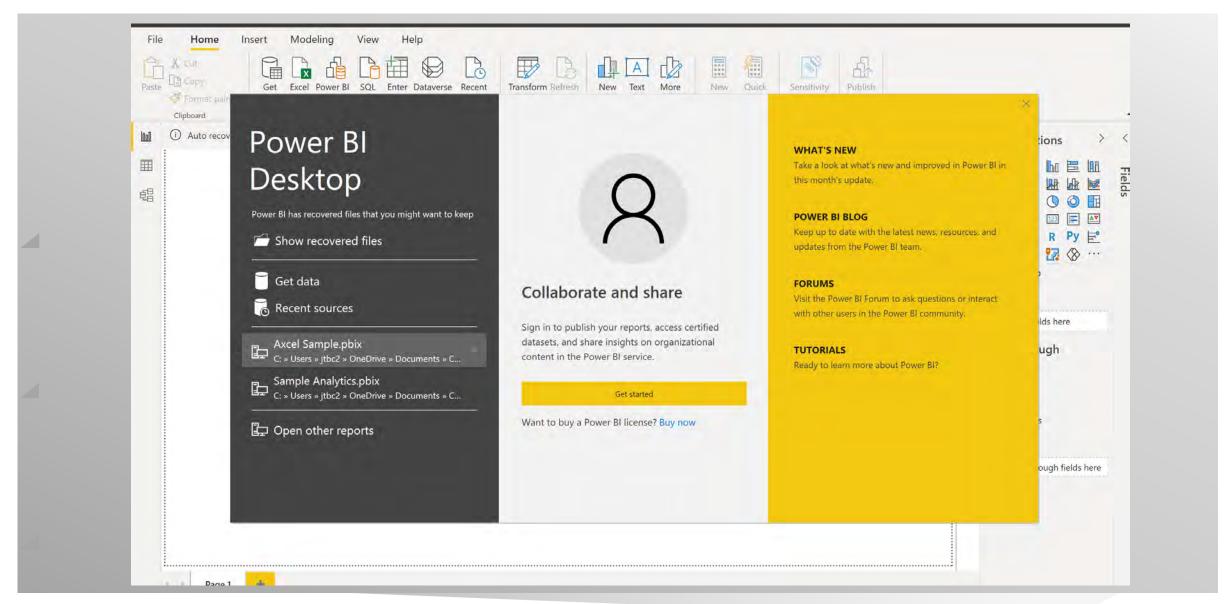
Power BI

- Connect, transform, clean and analyze data
 - Access data from virtually anywhere (database tables, flat files, cloud services, folders, etc.), and create fully automated data shaping and loading (ETL) procedures
- Build relational models to blend data from multiple sources
 - Create table relationships to analyze information across a series of datasets
- Visualize data with interactive reports & dashboards
 - Build custom business intelligence tools with best-in-class visualization and dashboard features
- Define complex calculations using Data Analysis Expressions (DAX)
 - Enhance datasets and enable advanced analytics with powerful and portable DAX expressions











Workflow

