

# Mini Data Bootcamp

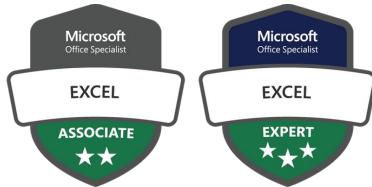
Day Three - Dashboard/ Report with Excel



# Mini Data Science Bootcamp

3 วิชา 6-7 ชั่วโมง

สำหรับผู้เริ่มต้น อยากเป็น Data Analyst



สอนโดย **แอดกอย**  
คนดีคนเดียว



# Microsoft Excel

Day 1

เกณฑ์การสอบ  
ผ่านที่ 80%

# SQL Database

Day 2

# Dashboard & Report

Day 3





ກັບນະສາຄົມຂອງ Data Analyst

**Data Analyst = f( Spreadsheets,  
Database,  
Dashboard & Report )**



A photograph of a young woman with long brown hair and glasses, wearing a denim jacket over a pink turtleneck. She is sitting on a dark leather couch, looking at a silver laptop screen with a smile. The background is dark and moody, with some green plants visible.

# Course Outline



# Content

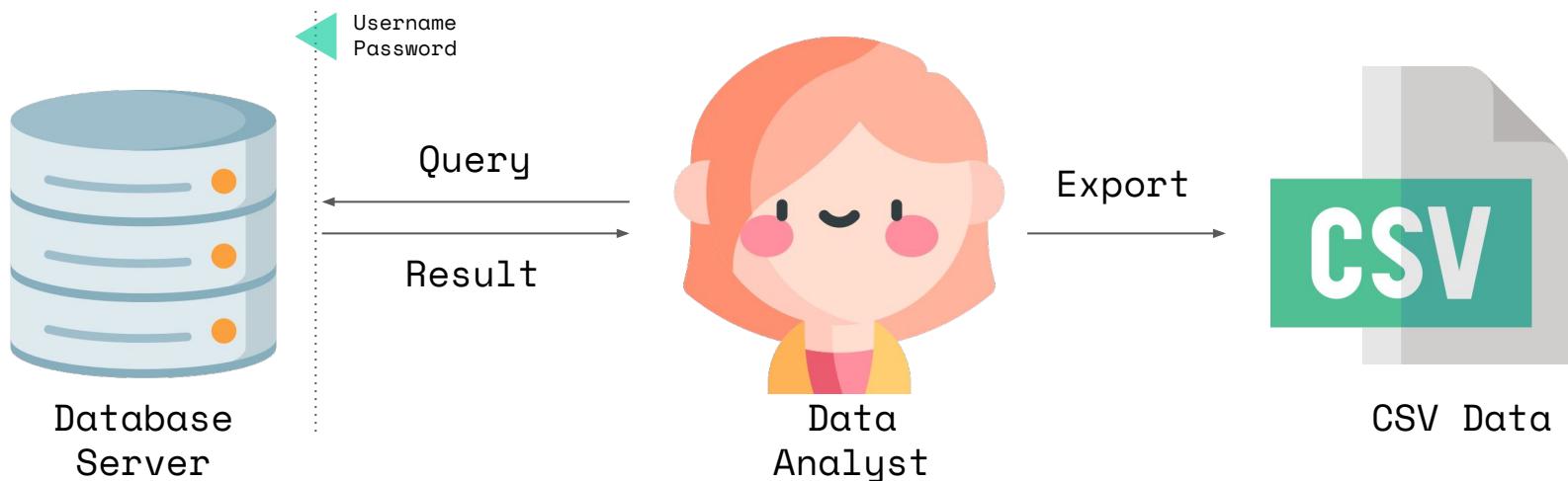
- What is Report?
- What is Dashboard?
- Hands-On Excel
- Demo Professional Workflow in Excel



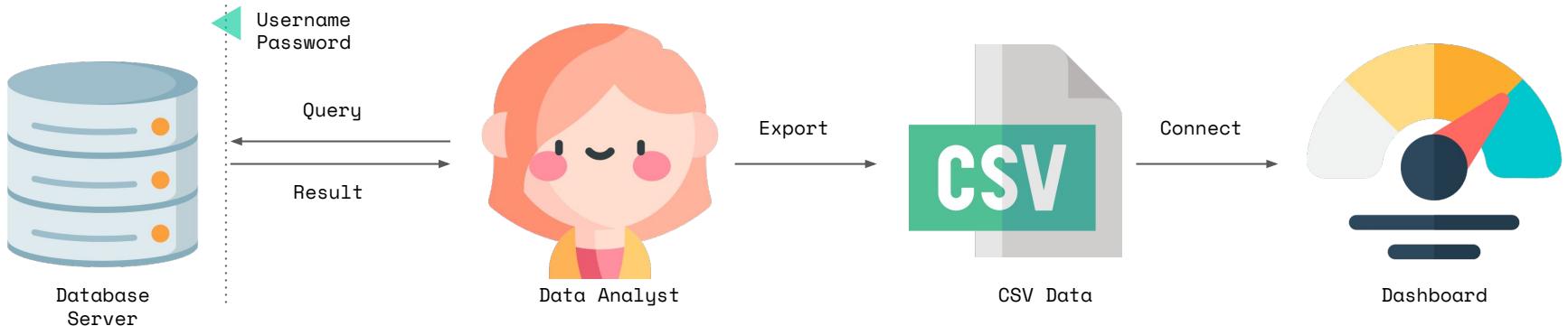
# Data Analyst Workflow



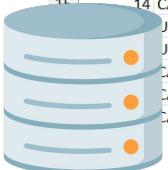
# Data Analyst Workflow



# Data Analyst Workflow V2



# Structured data



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer	Customer Segment	Country	City	State	Postal Code	Region	Product ID	Category	Sub-Categ	Product Name	Sales	Quantity	Discount	Profit	
2	1	CA-2016-1	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Henderson	Kentucky	42420	South	FUR-BO-10	Furniture	Bookcases	Bush Some	261.96	2	0	41.9136
3	2	CA-2016-1	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Henderson	Kentucky	42420	South	FUR-CH-10	Furniture	Chairs	Hon Delux	731.94	3	0	219.582
4	3	CA-2016-1	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van	Corporate	United States	Los Angeles	California	90036	West	OFF-LA-10	Office Supply	Labels	Self-Adhesive	14.62	2	0	6.8714
5	4	US-2015-1	10/11/2015	10/18/2015	Standard Class	CSO-20335	Sean O'Do	Consumer	United States	Fort Lauderdale	Florida	33311	South	FUR-TA-10	Furniture	Tables	Bretford C	957.5775	5	0.45	-383.031
6	5	US-2015-1	10/11/2015	10/18/2015	Standard Class	CSO-20335	Sean O'Do	Consumer	United States	Fort Lauderdale	Florida	33311	South	OFF-ST-10	Office Supply	Storage	Eldon Fold	22.368	2	0.2	2.5164
7	6	CA-2014-1	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	FUR-FU-10	Furniture	Furnishing	Eldon Express	48.86	7	0	14.1694
8	7	CA-2014-1	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	OFF-AR-10	Office Supply	Art	Newell 32"	7.28	4	0	1.9656
9	8	CA-2014-1	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	TEC-PH-10	Technology	Phones	Mitel 5320	907.152	6	0.2	90.7152
10	9	CA-2014-1	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	OFF-BI-10	Office Supply	Binders	DXL Angle-	18.504	3	0.2	5.7825
11	10	CA-2014-1	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	OFF-AP-10	Office Supply	Appliances	Belkin F5C	114.9	5	0	34.47
12	11	CA-2014-1	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	FUR-TA-10	Furniture	Tables	Chromcraft	1706.184	9	0.2	85.3092
13	12	CA-2014-1	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	TEC-PH-10	Technology	Phones	Konftel 25	911.424	4	0.2	68.3568
14	13	CA-2017-1	4/15/2017	4/20/2017	Standard Class	AA-10480	Andrew All	Consumer	United States	Concord	North Carolina	28027	South	OFF-PA-10	Office Supply	Paper	Xerox 196*	15.552	3	0.2	5.4432
15	14	CA-2016-1	12/5/2016	12/10/2016	Standard Class	IM-15070	Irene Mad	Consumer	United States	Seattle	Washington	98103	West	OFF-BI-10	Office Supply	Binders	Fellowes P	407.976	3	0.2	132.5922
	JS-2015-1	11/22/2015	11/26/2015	Standard Class	HP-14815	Harold Pav	Home Office	United States	Fort Worth	Texas	76106	Central	OFF-AP-10	Office Supply	Appliances	Holmes Re	68.81	5	0.8	-123.858	
	JS-2015-1	11/22/2015	11/26/2015	Standard Class	HP-14815	Harold Pav	Home Office	United States	Fort Worth	Texas	76106	Central	OFF-BI-10	Office Supply	Binders	Storex Dur	2.544	3	0.8	-3.816	
	CA-2014-1	11/11/2014	11/18/2014	Standard Class	PK-19075	Pete Kriz	Consumer	United States	Madison	Wisconsin	53711	Central	OFF-ST-10	Office Supply	Storage	Stur-D-Sto	665.88	6	0	13.3176	
	CA-2014-1	5/13/2014	5/15/2014	Second Class	AG-10270	Alejandro I.	Consumer	United States	West Jordan	Utah	84084	West	OFF-ST-10	Office Supply	Storage	Fellowes S	55.5	2	0	9.99	
	CA-2014-1	8/27/2014	9/1/2014	Second Class	ZD-21925	Zuschuss D	Consumer	United States	San Francisco	California	94109	West	OFF-AR-10	Office Supply	Art	Newell 34"	8.56	2	0	2.4824	

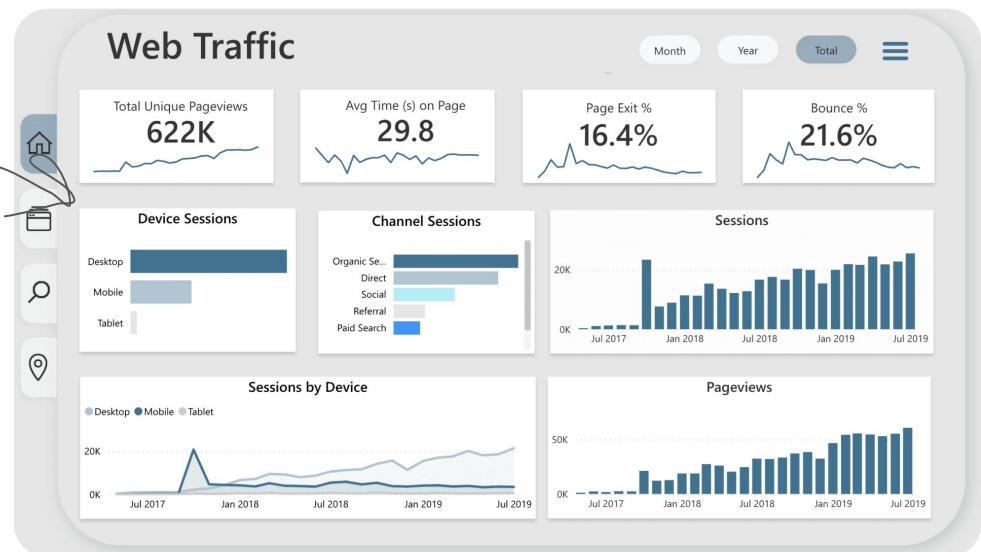
Tip - ข้อมูลที่มีโครงสร้างเป็นตาราง ในโปรแกรมอื่นๆเรียกว่า **Table / Data Frame**



# Simple Excel Dashboard



A	B	C	D	E	F	G	H	I	J	K
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer	Segment	Country	City		State
2	1 CA-2016-1	11/8/2016	11/11/2016	Second Click	Craig Gut Consumer	United States	Henderson	Kentucky		
3	2 CA-2016-1	11/8/2016	11/11/2016	Second Click	Craig Gut Consumer	United States	Henderson	Kentucky		
4	3 CA-2016-1	6/12/2016	6/16/2016	Second Click	Darren Van Corporate	United States	Los Angeles	California		
5	4 US-2015-1	10/11/2015	10/18/2015	Standard	Sean O'Donnell Consumer	United States	Fort Lauderdale	Florida		
6	5 US-2015-1	10/11/2015	10/18/2015	Standard	Sean O'Donnell Consumer	United States	Fort Lauderdale	Florida		
7	6 CA-2014-1	6/9/2014	6/14/2014	Standard	Brosina Hc Consumer	United States	Los Angeles	California		
8	7 CA-2014-1	6/9/2014	6/14/2014	Standard	Brosina Hc Consumer	United States	Los Angeles	California		
9	8 CA-2014-1	6/9/2014	6/14/2014	Standard	Brosina Hc Consumer	United States	Los Angeles	California		
10	9 CA-2014-1	6/9/2014	6/14/2014	Standard	Brosina Hc Consumer	United States	Los Angeles	California		
11	10 CA-2014-1	6/9/2014	6/14/2014	Standard	Brosina Hc Consumer	United States	Los Angeles	California		
12	11 CA-2014-1	6/9/2014	6/14/2014	Standard	Brosina Hc Consumer	United States	Los Angeles	California		
13	12 CA-2014-1	6/9/2014	6/14/2014	Standard	Brosina Hc Consumer	United States	Los Angeles	California		
14	13 CA-2017-1	4/15/2017	4/20/2017	Standard	Andrew Ali Consumer	United States	Concord	North Carolina		
15	14 CA-2016-1	12/5/2016	12/10/2016	Standard	CIM-15070 Irene Mad Consumer	United States	Seattle	Washington		
16	15 US-2015-1	11/22/2015	11/26/2015	Standard	Harold Pav Home Offi	United States	Fort Worth	Texas		
17	16 US-2015-1	11/22/2015	11/26/2015	Standard	Harold Pav Home Offi	United States	Fort Worth	Texas		
18	17 CA-2014-1	11/11/2014	11/18/2014	Standard	Pete Kitz Consumer	United States	Madison	Wisconsin		
19	18 CA-2014-1	5/13/2014	5/15/2014	Second Click	Alejandro Consumer	United States	West Jordan	Utah		
	19 CA-2014-1	8/27/2014	9/1/2014	Second Click	Zuschuss E Consumer	United States	San Francisco	California		



A woman with long brown hair and glasses is smiling while sitting on a dark leather sofa, working on a silver laptop. She is wearing a blue denim jacket over a pink turtleneck. The background is dark with some green plants on the right.

# Review Pivot Table





# Pivot Table คือเครื่องมือที่เราใช้สร้างรายงาน (Report) โดยไม่ต้องเขียนสูตร

A	B	C	D	E
Row Labels	Sum of Salary			
Senior Vice President	2487500			
Vice President	1681000			
Assistant Vice President	1524600			
Executive Vice President	1412000			
Manager	903000			
Senior Executive Vice President	830000			
Assistant Manager	535800			
Deputy Manager	498100			
Officer	265000			
Grand Total	10137000			

PivotTable Fields

Choose fields to add to report:

Drag fields between areas below:

Search

Filters

Dept

Role

Role\_2

Salary

Fixed Salary

Education

More Tables...

Rows

Role

Values

Sum of Salary

Defer Layo...  Update



AutoSave Off practice\_hr\_data... • Saved to this PC Search Kasidis Satangmongkol

File Insert Home Draw Page Layout Formulas Data Review View Help

PivotTable Recommended PivotTables Table Illustrations Recommended Charts Charts Maps PivotChart 3D Map Tours Sparklines Line Column Win/Loss Slicer Timeline Link Comment Text Symbols

From Table/Range From External Data Source From Data Model

NAME

	JOB_TITLE	POSITION	SALARY	BONUS	INCENTIVE	DEGREE	MAJOR	BIRTH_DATE	HIRE_DATE	
1	1 Toy	Marketing Manager	Back	90000	15000	Fixed	Bachelor	Marketing	1988-05-01	2020-02-01
2	2 John	Marketing Officer	Back	25000	5000	Incentive	Bachelor	Marketing	1995-02-17	2019-11-14
3	3 Mary	Marketing Officer	Back	30000	6000	Incentive	Bachelor	Economics	1984-11-16	2005-11-07
4	4 David	Marketing AVP	Back	125000	25000	Fixed	Master	Computer	1990-06-03	2020-04-04
5	5 Anna	Marketing SVP	Front	160000	2					
6	6 Kevin	Sales Officer	Front	35000						
7	7 Mark	Sales Officer	Front	32000						
8	8 Nami	Sales SVP	Front	185000						
9	9 Lufy	Finance Officer	Back	28000	2500	Fixed	Bachelor	Management	1982-06-06	2005-09-26
10	10 Sunji	Finance SVP	Back	178000	30000	Fixed	Bachelor	Finance	1979-10-22	2003-11-11
11	11 Zoro	HR Officer	Back	32000	5000	Incentive	Bachelor	Human Re	1985-01-27	2014-08-26
12	12 Uzop	HR Officer	Back	45000	6800	Fixed	Bachelor	Social Scie	1993-10-01	2023-05-28
13	13 Garf	HR AVP	Back	148000	25000	Fixed	Bachelor	Social Scie	1988-08-11	2017-09-01
14	14 Mihawk	CEO Officer CEO	Back	250000	50000	Fixed	Bachelor	Marketing	1992-03-04	2015-04-20
15	15 Jennifer	CEO Officer SVP	Back	180000	34000	Fixed	Bachelor	Finance	1996-06-24	2020-05-19
16	16 Kim	Data Scier Officer	Front	30000	2000	Incentive	Bachelor	Engineerin	1989-10-04	2020-07-18
17	17 Liam	Data Scier Officer	Front	25000	2500	Incentive	Master	Engineerin	1982-09-19	2006-12-05
18	18 Wick	Data Scier Manager	Front	80000	8000	Fixed	Master	Engineerin	1990-12-05	2011-09-12
19	19 Bean	Data Scier SVP	Back	175000	40000	Fixed	Master	Statistics	1998-11-19	2020-10-13
20	20 Beck	Data Scier AVP	Back	140000	38000	Fixed	Master	Data Scier	1983-06-04	2004-03-12
21										
22										
23										
24										

EMPLOYEE +

Display Settings

Content designed and curated by [DataRockie](#) 2023



PivotTable Fields

Choose fields to add to report:

Search

EMP\_ID  
 NAME  
 DEPT  
 JOB\_TITLE  
 POSITION  
 SALARY  
 BONUS  
 INCENTIVE  
 DEGREE  
 MAJOR  
 BIRTH\_DATE  
 HIRED\_DATE

More Tables...

Drag fields between areas below:

Filters

Columns

Rows

DEPT

Σ Values

Sum of SALARY

Defer Layo...

Row Labels	Sum of SALARY
CEO Office	430000
Data Science	450000
Finance	206000
HR	225000
Marketing	430000
Sales	252000
<b>Grand Total</b>	<b>1993000</b>





ทุกครั้งที่เราเปลี่ยน Field ใน  
Pivot Table ก็เหมือน **เราตั้งค่า**  
**ตามใหม่**



# Data analytics

- Dimension : category
- Measure : number



# Example

Dimensions

Measures

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer Segment	Customer	Segment	Country	City	State	Postal Code	Region	Product ID	Category	Sub-Catag	Product Name	Sales	Quantity	Discount	Profit
2		1 CA-2016-1	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gutt	Consumer	United States	Henderson	Kentucky	42420	South	FUR-BO-1C	Furniture	Bookcases	Bush Somers	261.96	2	0	41.9136
3		2 CA-2016-1	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gutt	Consumer	United States	Henderson	Kentucky	42420	South	FUR-CH-1C	Furniture	Chairs	Hon Delux	731.94	3	0	219.582
4		3 CA-2016-1	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van	Corporate	United States	Los Angeles	California	90036	West	OFF-LA-10	Office Sup	Labels	Self-Adhes	14.62	2	0	6.8714
5		4 US-2015-1	10/11/2015	10/18/2015	Standard	CSO-20335	Sean O'Do	Consumer	United States	Fort Lauderdale	Florida	33311	South	FUR-TA-1C	Furniture	Tables	Bretford C	957.5775	5	0.45	-383.031
6		5 US-2015-1	10/11/2015	10/18/2015	Standard	CSO-20335	Sean O'Do	Consumer	United States	Fort Lauderdale	Florida	33311	South	OFF-ST-10	Office Sup	Storage	Eldon Fold	22.368	2	0.2	2.5164
7		6 CA-2014-1	6/9/2014	6/14/2014	Standard	CBH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	FUR-FU-1C	Furniture	Furnishing	Eldon Express	48.86	7	0	14.1694
8		7 CA-2014-1	6/9/2014	6/14/2014	Standard	CBH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	OFF-AR-1C	Office Sup	Art	Newell 32"	7.28	4	0	1.9656
9		8 CA-2014-1	6/9/2014	6/14/2014	Standard	CBH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	TEC-PH-1C	Technolog	Phones	Mitel 5320	907.152	6	0.2	90.7152
10		9 CA-2014-1	6/9/2014	6/14/2014	Standard	CBH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	OFF-BI-10C	Office Sup	Binders	DXL Angle-	18.504	3	0.2	5.7825
11		10 CA-2014-1	6/9/2014	6/14/2014	Standard	CBH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	OFF-AP-10	Office Sup	Appliances	Belkin F5C	114.9	5	0	34.47
12		11 CA-2014-1	6/9/2014	6/14/2014	Standard	CBH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	FUR-TA-1C	Furniture	Tables	Chromcraft	1706.184	9	0.2	85.3092
13		12 CA-2014-1	6/9/2014	6/14/2014	Standard	CBH-11710	Brosina Hc	Consumer	United States	Los Angeles	California	90032	West	TEC-PH-1C	Technolog	Phones	Konftel 25	911.424	4	0.2	68.3568
14		13 CA-2017-1	4/15/2017	4/20/2017	Standard	CAA-10480	Andrew All	Consumer	United States	Concord	North Carolina	28027	South	OFF-PA-10	Office Sup	Paper	Xerox 196	15.552	3	0.2	5.4432
15		14 CA-2016-1	12/5/2016	12/10/2016	Standard	CIM-15070	Irene Mad	Consumer	United States	Seattle	Washington	98103	West	OFF-BI-10C	Office Sup	Binders	Fellowes P	407.976	3	0.2	132.5922
16		15 US-2015-1	11/22/2015	11/26/2015	Standard	CHP-14815	Harold Pav	Home Offfice	United States	Fort Worth	Texas	76106	Central	OFF-AP-10	Office Sup	Appliances	Holmes Re	68.81	5	0.8	-123.858
17		16 US-2015-1	11/22/2015	11/26/2015	Standard	CHP-14815	Harold Pav	Home Offfice	United States	Fort Worth	Texas	76106	Central	OFF-BI-10C	Office Sup	Binders	Storex Dur	2.544	3	0.8	-3.816
18		17 CA-2014-1	11/11/2014	11/18/2014	Standard	CPK-19075	Pete Kriz	Consumer	United States	Madison	Wisconsin	53711	Central	OFF-ST-10	Office Sup	Storage	Stur-D-Sto	665.88	6	0	13.3176



# Find total sales

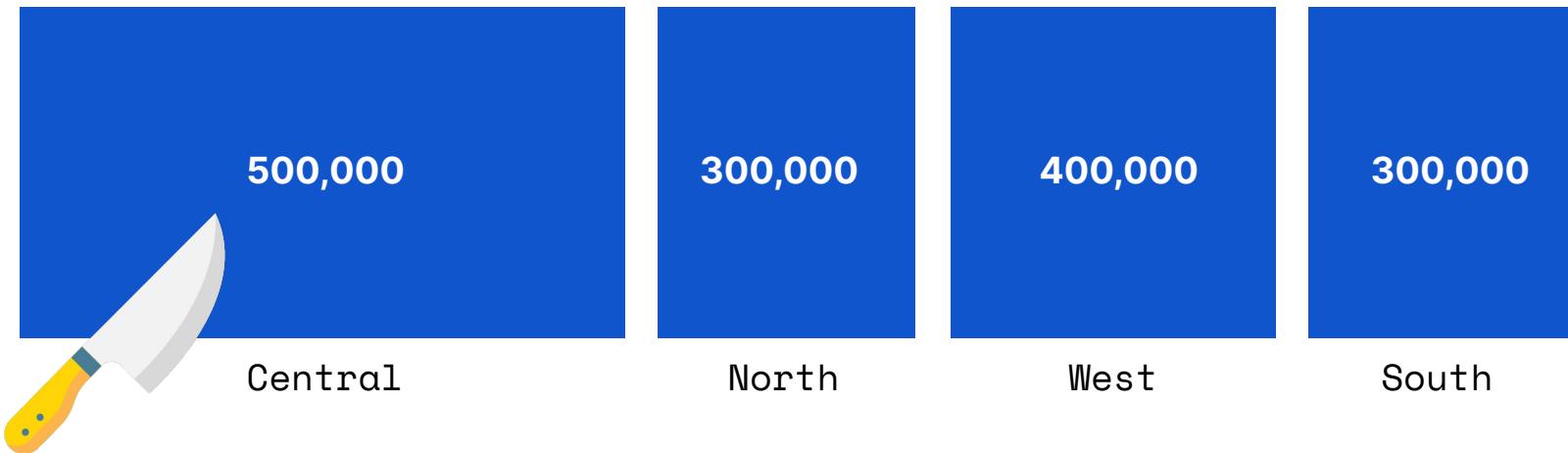
one measure

1,500,000



# Find total sales by region

one measure x one dimension



# Reports

ตารางไว้รายงานตัวเลขง่ายๆ

Row Labels	Sum of Sales	Sum of Discount	Sum of Profit
Consumer	1161401.345	820.91	134119.2092
Corporate	706146.3668	477.85	91979.134
Home Office	429653.1485	262.33	60298.6785
<b>Grand Total</b>	<b>2297200.86</b>	<b>1561.09</b>	<b>286397.0217</b>



# Reports

จะทำด้วย Excel หรือ SQL ก็ได้

Row Labels	Sum of Sales	Sum of Discount	Sum of Profit
Consumer	1161401.345	820.91	134119.2092
Corporate	706146.3668	477.85	91979.134
Home Office	429653.1485	262.33	60298.6785
<b>Grand Total</b>	<b>2297200.86</b>	<b>1561.09</b>	<b>286397.0217</b>

```
SELECT  
segment,  
sum(sales),  
sum(discount),  
sum(profit)  
FROM store  
GROUP BY segment;
```



A woman with long brown hair and glasses is smiling broadly while looking at a laptop screen. She is wearing a blue denim jacket over a pink turtleneck. The background is dark and out of focus, showing some vertical plants.

# Let's Talk About Dashboard



# Dashboard

A dashboard is a visual display of all of your data. Its primary intention is to provide information at-a-glance, such as KPIs

Source: [Adjust](#)



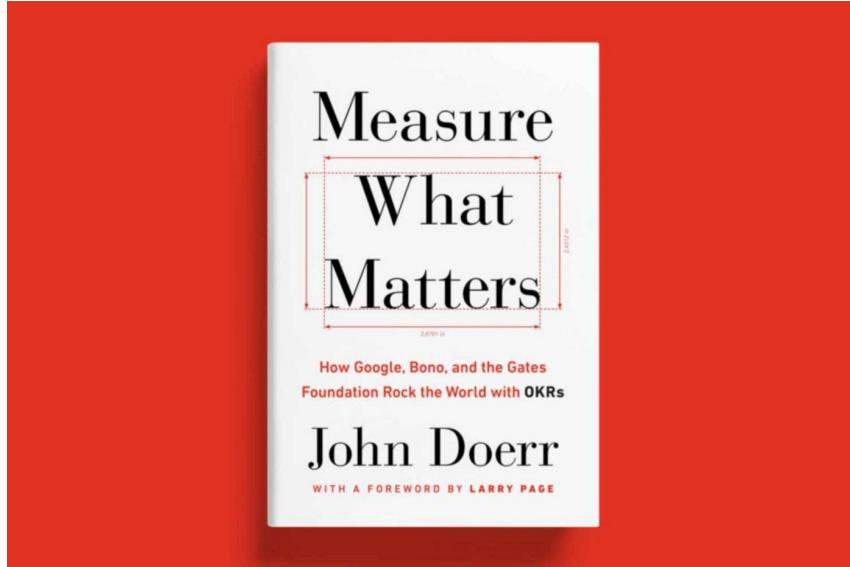
# KPI

Key Performance Indicators, a quantifiable measure of performance over time for a specific objective

Source: [Olik](#)



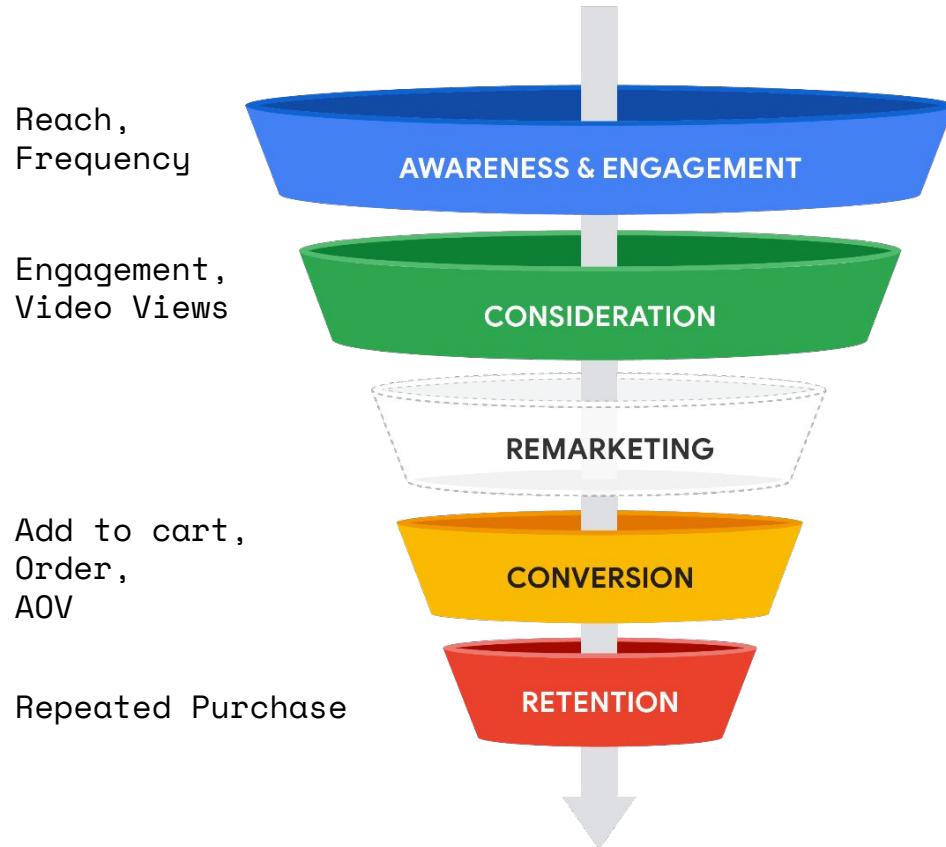
# Measure What Matters



วัดเฉพาะตัวเลขสำคัญ  
+  
แสดงเฉพาะ **ตัวเลขสำคัญ** (บน Dashboard)

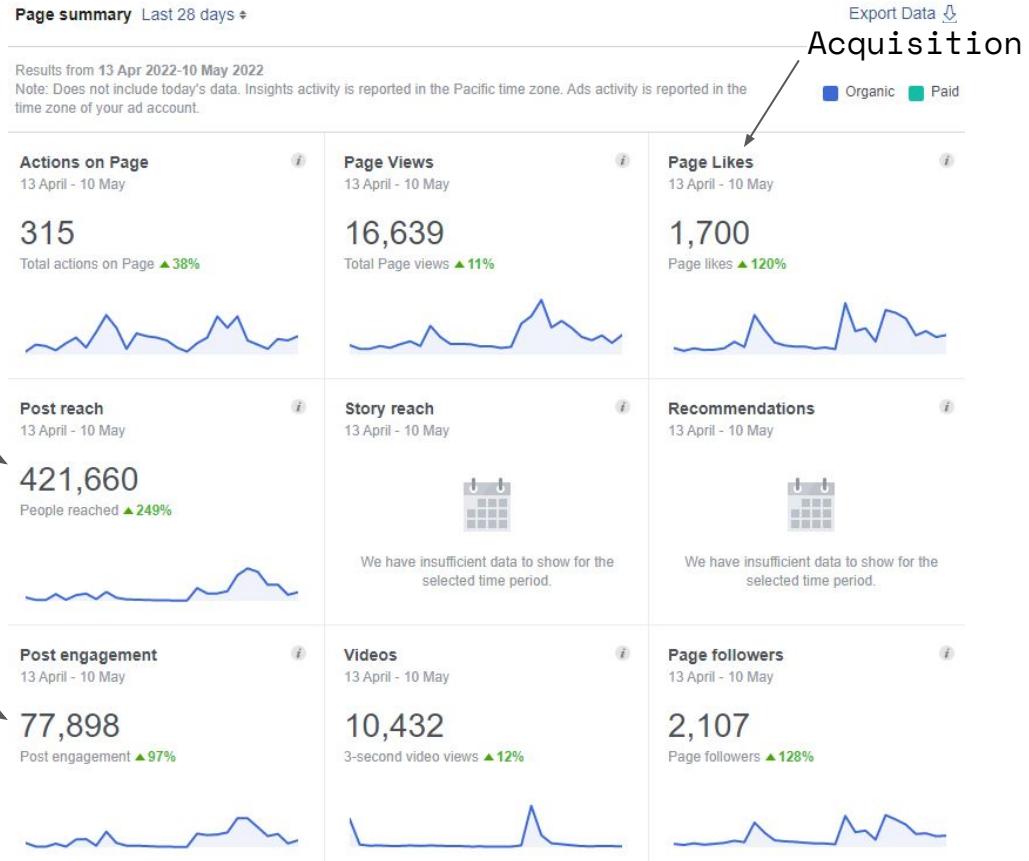


# Digital Marketing KPI



# Facebook Page KPIs

Awareness

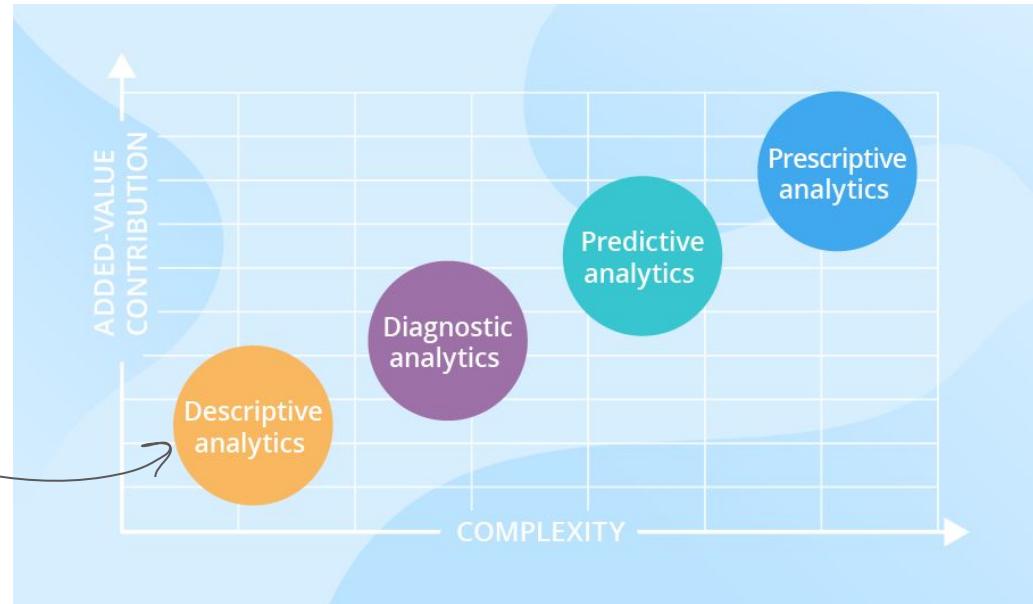


Consideration



# Descriptive Analytics

Dashboard is  
heavily used at  
the first stage



A woman with long brown hair and glasses is smiling broadly while looking at a laptop screen. She is wearing a blue denim jacket over a pink turtleneck. The background is dark, with some green plants visible on the right.

# Your First Excel Dashboard



# The Tools

- Pivot Table
- Pivot Chart
- Slicer
- Timeline
- Card
- =GETPIVOTDATA()



# Pivot Table

Row Labels	Sum of Sales	Sum of Discount	Sum of Profit
Consumer	1161401.345	820.91	134119.2092
Corporate	706146.3668	477.85	91979.134
Home Office	429653.1485	262.33	60298.6785
<b>Grand Total</b>	<b>2297200.86</b>	<b>1561.09</b>	<b>286397.0217</b>

สร้างรายงานตัวเลขแบบชิลๆ

PivotTable Fields

Choose fields to add to report:

Drag fields between areas below:

Search

Filters

State

Columns

Σ Values

Rows

Segment

Σ Values

Sum of Sales

Sum of Discount

More Tables...

Defer Layo... Update

Customer Name

Segment

Country

City

State

Postal Code

Region

Product ID

Category

Sub-Category

Product Name

Sales

Quantity

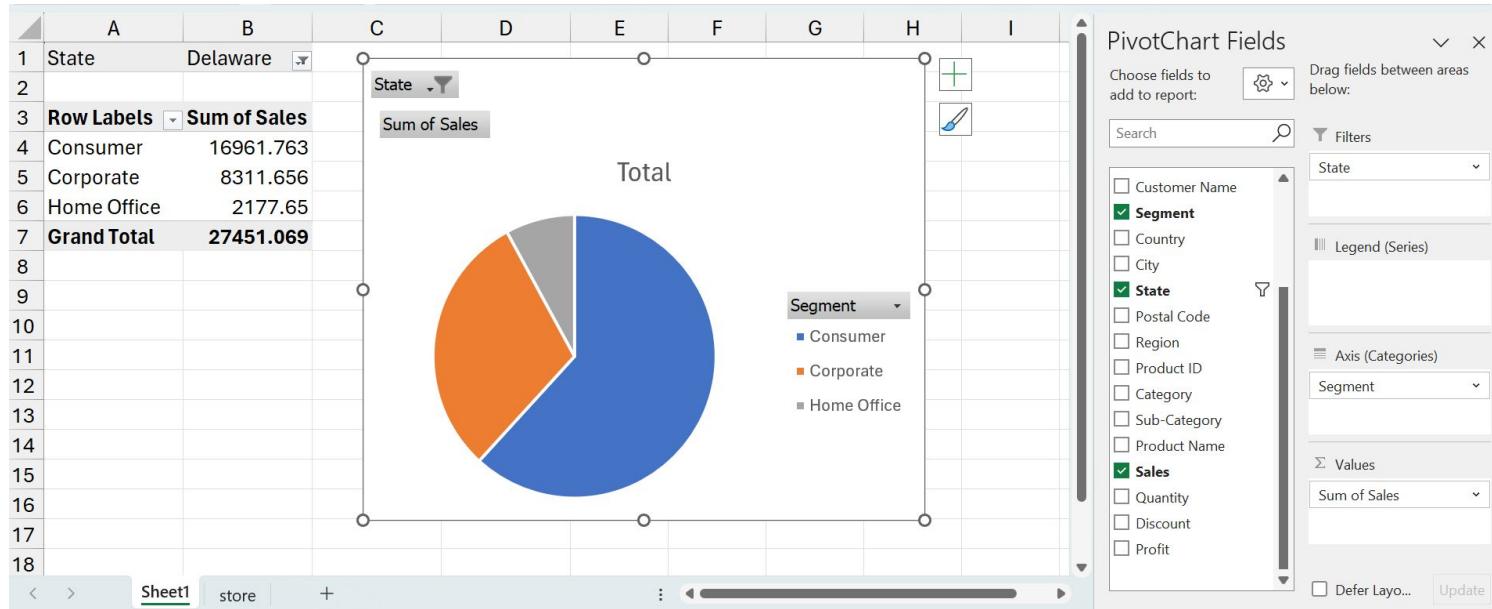
Discount

Profit



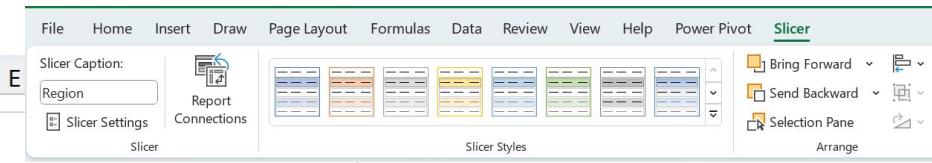
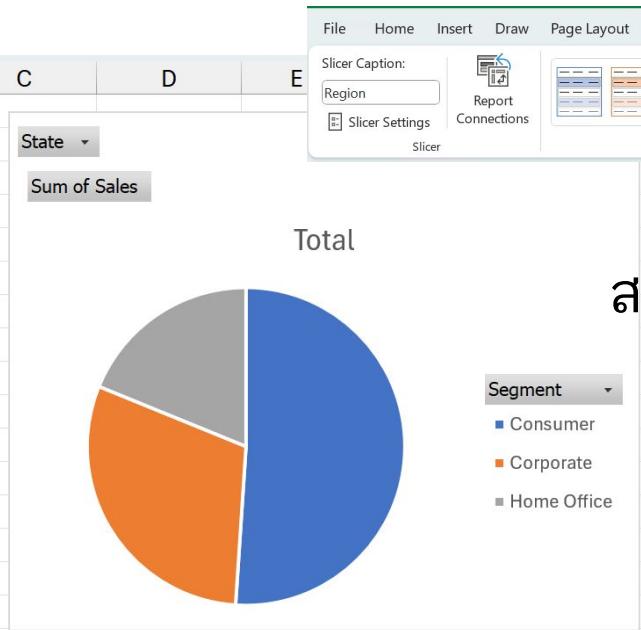
# Pivot Chart

ชาร์ทที่ลึ้งก็กับ Pivot Table



# Slicer

A	B	C	D	E
1 State	(All)			
2				
3 Row Labels	Sum of Sales			
4 Consumer	546489.138			
5 Corporate	322295.2795			
6 Home Office	201718.7275			
7 Grand Total	1070503.145			
8				
9 Region				
10				
11	Central			
12	East			
13	South			
14	West			
15				
16				



สร้างปุ่มฟิลเตอร์ข้อมูลง่ายๆ



# Timeline

Order Date

All Periods

2014

2015

2016

2017

QUARTERS ▾

Q1

Q2

Q3

Q4

Q1

Q2

Q3

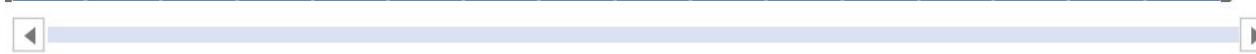
Q4

Q1

Q2

Q3

Q4



สร้างตัวฟิลเตอร์วันทีและเวลา

## PivotTable Fields

Choose fields to add to report:  
 Row ID  
 Order ID  
 Order Date  
 Ship Date  
 Ship Mode  
 Customer  
 Segment  
 Count  
 City  
 State  
 Postal Code  
 Region  
 Product ID  
 Category  
 Sub-Category

Search



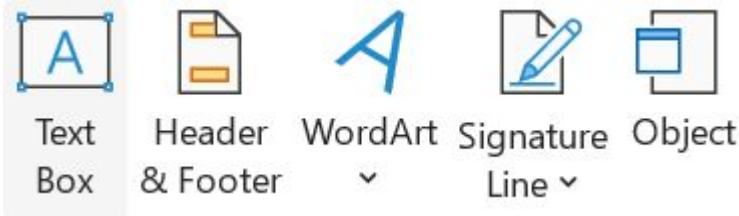
Filters

State

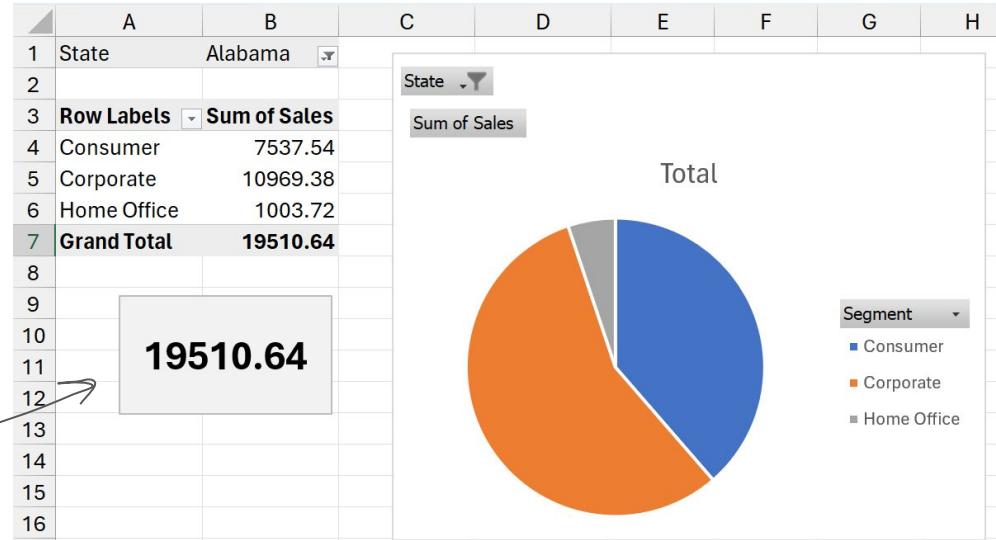
- Drag fields between areas below:
- Add to Report Filter
  - Add to Row Labels
  - Add to Column Labels
  - Add to Values
  - Add as Slicer
  - Add as Timeline
- Σ Values
- Sum of Sales
- Defer Layout...
- Update



# Card



## สร้างการ์ดไว้แสดงผล KPI



# =GETPIVOTDATA( )

	A	B	C
1	State	Alabama	
2			
3	Row Labels	Sum of Sales	
4	Consumer	7537.54	
5	Corporate	10969.38	
6	Home Office	1003.72	
7	Grand Total	19510.64	
8			
9		=GETPIVOTDATA("Sales",\$A\$3)	

วิธีดึงข้อมูลแบบ Dynamic  
จากรายงาน **Pivot Table**



A photograph of a young woman with long brown hair and glasses, smiling broadly. She is wearing a denim jacket over a pink turtleneck sweater. She is sitting in a dark leather armchair, looking at a silver laptop. To her right is a large potted plant with long, thin green leaves. The background is dark and out of focus.

# Professional Workflow



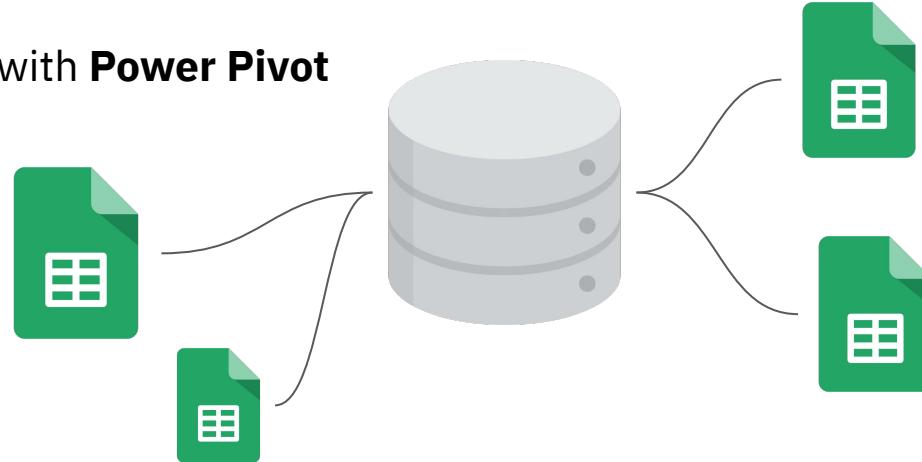
# Power Pivot

จ้างมาเล่นคู่ Messi ได้เลย



# DEMO : Professional Workflow

**Data Model with Power Pivot**



เราสามารถโหลดข้อมูลหลายตารางเข้าสู่ Excel และสร้าง  
**Data Model (Relationship)** ได้ด้วย เย้



View Help Power Pivot

- Hide Quick Access Toolbar
- Customize the Ribbon...
- Collapse the Ribbon

# ต้องเปิดใช้งาน Power Pivot ก่อน

AutoSave  Off



Book1 - Excel

Search

File Home Insert Draw Page Layout Formulas Data Review View Help Power Pivot



Manage



Measures  
▼



KPIs  
▼



Add to  
Data Model



Detect



Settings

Data Model

Calculations

Tables

Relationships



A woman with long brown hair and glasses is smiling broadly while looking at a laptop screen. She is wearing a light blue denim jacket over a pink turtleneck. The background is dark and out of focus, showing some green plants.

# Key Takeaway



# สรุปการเรียนวันนี้ □

- **Pivot Table** คือ **Messi** แห่งโลก Excel
- เราใช้ Pivot Table สร้างรายงาน (Report)
- เราใช้ Pivot Chart สร้างชาร์ทที่ลิงก์กับ Pivot Table
- Slicer ใช้กรองข้อมูล ผูกกับ Pivot Table ได้เลย
- Timeline ใช้กรองวันที่ ทำงานเหมือน Slicer ปกติ
- KPI Card สร้างได้ง่ายๆด้วย Text Box
- =GETPIVOTDATA() คือพังก์ชันในตำนาน สุดยอด



# **Excel คือโคตร BI Tool**

ถ้าใช้เก่งๆ ทำได้เกือบ  
ทุกอย่างแล้ว 555+



# Let's Connect □



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<https://datarockie.com>  
9,055 followers · 500+ connections

<https://www.linkedin.com/in/kasidistou/>



## Your Feedback is A Gift

สำหรับคลาส Microsoft Excel วันแรก เรียนเป็นยังไงบ้าง แขกรับ看了一้วยกันน้อยมากครับทุกคน ขอบคุณใจร้ายบ้าง เนื้อหาล้วนใหญ่ที่มีประโยชน์อย่างมาก อย่างรู้เรื่องอะไรเพิ่มเติมลึก บวกแอดได้เลียนครับ

แอดอ่านเองทุก comment เลย และจะนำไปใช้ปรับปรุงเนื้อหา และการสอนครั้งต่อๆไปด้วยครับ (หรืออาจจะมีนัดสอนเพิ่ม อีก 555+)

ขอบคุณทุกคนสำหรับ Day One พักผ่อนกันด้วยนะครับ

[Complete and Continue >](#)

### Discussion

Post a comment



Instructor

แซร์ **feedback** การเรียน  
วันแรกให้แอดหน่อยน้า

[Post Comment](#)



# BREAKING NEWS



ปรากฏการณ์  
เรียนจน  
ร้องขอชีวิต  
กำลังจะกลับมา

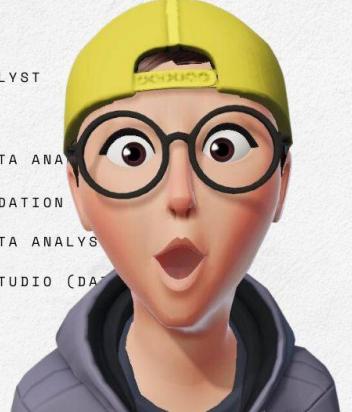
Data Science  
Bootcamp #9

DATA SCIENCE BOOTCAMP #9

• LIVE CLASSES

OCT 14	INTRO TO DATA SCIENCE
NEW OCT 21	BUILDING A SECOND BRAIN
NEW OCT 28, 29	SPREADSHEETS
NOV 04	DATABASES SQL
NOV 11	R PROGRAMMING FOUNDATION
NOV 18	DATA TRANSFORMATION
NOV 25	DATA VISUALIZATION
NEW DEC 02, 03	STATISTICS FOR DATA ANALYST
NEW DEC 16	BUILDING DATA PORTFOLIO
DEC 23, 24	MACHINE LEARNING FOR DATA ANALYST
JAN 06	PYTHON PROGRAMMING FOUNDATION
JAN 13	ESSENTIAL PYTHON FOR DATA ANALYST
NEW JAN 20	DASHBOARD WITH LOOKER STUDIO (DATA VIZ)

ไอเร锕์สันເຍອະນຸມາດ້ວຍ  
ຮ້າງ່ານເລີຍກິນ໌ 55+  
ສໂລແກນ ຊຣ. ນອນນ້ອຍແຕ່ນອນນະ



#เรียนจนร้องขอชีวิต





แรมฟรีจนแม่ว่า ยังงง  
555+

พรุ่งนี้มีใบอนัส มาเรียน  
**Basic Programming**  
ด้วยกันนะค้าบ



A woman with long brown hair and glasses is smiling broadly while looking at a laptop screen. She is wearing a denim jacket over a pink turtleneck. The background is dark and out of focus, showing some foliage.

# Mini Data Bootcamp

## Day Three - Dashboard/ Report with Excel

