



# INNOVATING BUSINESS INTELLIGENCE WITH MICROSOFT POWER







#### Let's start with a small story



The story is about a giant who owns a beautiful garden. Initially, children loved playing in the giant's garden, but when the giant returned after seven years away, he banned the children from entering and built a high wall to keep them out. As a result, the garden became perpetually winter with frost, snow, and cold north winds.

One day, the giant heard a child crying outside and found the remaining children trying in vain to play in the tree branches that stretched over the wall. Seeing one boy too small to reach the branches, the giant had a change of heart, realizing his selfishness had ruined the garden. He tore down the wall and let the children play in his garden once more. Spring returned, the trees blossomed, and the birds sang. The selfish giant grew old but was happier for letting the children in.



### For example,



### **Student Report Card**

Name: Yad All	3 <sup>st</sup> term Exam			2 <sup>nd</sup> Term Exam			Final Term Exam		
Subjects	Yotal Marks	Obt Marks	Status	Total Marks	Ohr Marks	Status	Total Marks	Ott Marks	Status
English	100	78	Pero	100	.00	Pass	300	91	Pass
Shifu	100	79	Paris	100	80	Pass	100	92	Pass
Math's	100	75	Pau	100	85	Pass	300	85	Petr
Mempet	100	74	Pess	300	264	Pess	300	84	Pais
Physics/GSC	100	76	Piese	300	87	Pass	300	87	Pen
Chemistry/Grawing	100	80	Pass	330	87	Pass	100	30	Pass
Bio/Arabi	100	18	Pen	100	83	Pess	100	63	Pass
Pak Study	100	82	Pen	300	72	Pess	500	28	Pass
Total Merks	800	625	Pen	800	667.	Pen	800	690	Pens
	Percentage Marks Grade			Percentage Marks Grade			Percentage Marks Grade		
	Incharge Sign.			Incheige Sign.			Incharge Sign.		
	Principal/Headmaster sign			Principal/Headmenter sign			Principal/Headmaster sign.		
	Guardan Si			Guardian State			Guardian Sign		

### Let's imagine a situation,





#### SIMPLE MONTHLY SALES REPORT TEMPLATE

TALE MANAGER NAME
CHIRL
COURT.
COURT.

#### SALES REPORT

CURRENT MONTH				MENIOCE MONTH			
	PLANNED	ACTUAL	VARIANCE		PLANNED	ACRIAL.	VARIANCE
Sales Volume	\$46,000.00	\$44,000,00	\$(1,000,00)	Sales Notione	\$44,000.00	\$46,000.00	\$20,000,00
Total Revenue	\$65,000.00	\$43,000.00	\$000.00	Total Revenue	\$41,000.00	\$40,000.00	\$2,010.00
Sales Hooge	146	20%	45	Sales Hoogie	14%	288	-9%.
Tutor Orden	14	10"		Total Crosss	14	17	-0.
Average Chitel Yakve	\$41.00	80.00	4 -	Average Onler Valve	\$41.00	80.00	
Other	81430	816-00	\$11.00	CPW CPW	\$14.00	\$15.00	\$0.00
	1	1	1 .		1		1
			1 .		1		

#### YEAR-TO-DATE SALES

	PLANERSON	ACTOR	THRANCE	
Dates Volume	\$1.00.000,00	\$1.000,000	\$10,000.00	
lots fleverue	\$040,000,00	\$152,000.00	\$100,000.00	
ture, morgin	14%	265	45	
Total Orden	14	10	-0.	
Average Order Value	\$25.00	\$18.00	8 -	
Other	\$14.00	915.00	\$1100	
	1	20 00		

. See	WTV.	Require customer autenotic	
Crate	-	Droffing mights and weekends	
Opports	Chec.		
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If it completely turned,



















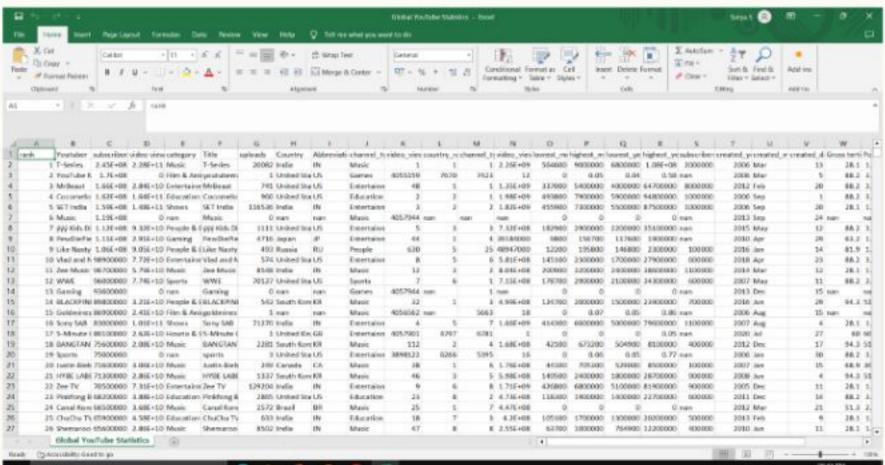




#### YouTube Global Statistics

Type here to search





A 80 6 56 THG

#### YouTube Global Statistics



#### **Empathy**

Conduct research for better understading of users

02

#### Ideate

Generate a range of creative ideas with the tool

01

Define

Better defined Visuals 03

#### Sample Dashboard



Proposed Undeveloped Lots PUTURE DEVILOPMENT

20,960

Developed Lots



Subdivision Lots Lodged

YED COMPARISON WITH LAST YEAR

66% 企

Subdivision Lots Issued SOC YTO COMPARSON WITH LAST YEAR

Cardinia Road Cardinia Road

1257

Residential Land Activity

Developed Lots tindeveloped Lots.

2.102

District 1

2,000

1,688

Officer

Principal

39 PRECINCY

23% 企



7.162

East President

161

Pokerham

Processor !

New Families Moving to the Shire

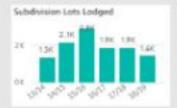
Fakerham East Project

Proposed Undeveloped Lots by Precinct

DESTRUBUTION OF PROPOSED UNDEVELOPED LOTS ACROSS THE SHIRE

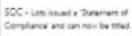
6% 企

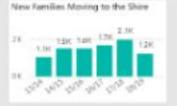


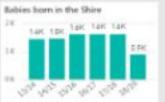












Cardinic Road Employment Process

- Officer Present LIN.

Bables Born in the Shire

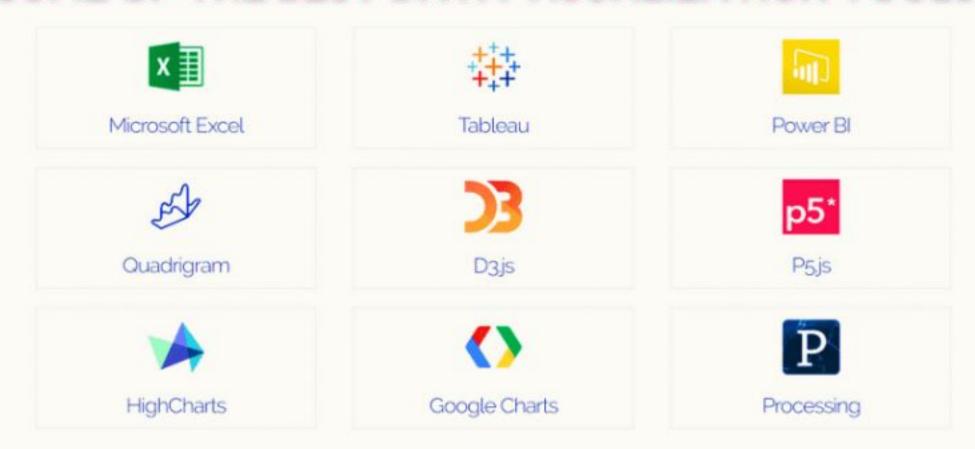
Cardinia Head Presinct.



Data visualization is the graphical representation of data or information in a visual format, such as charts, graphs, maps, or diagrams. It aims to present complex data in an easy-to-understand and intuitive manner, allowing users to identify patterns, trends, and insights more effectively.



### SOME OF THE BEST DATA VISUALIZATION TOOLS



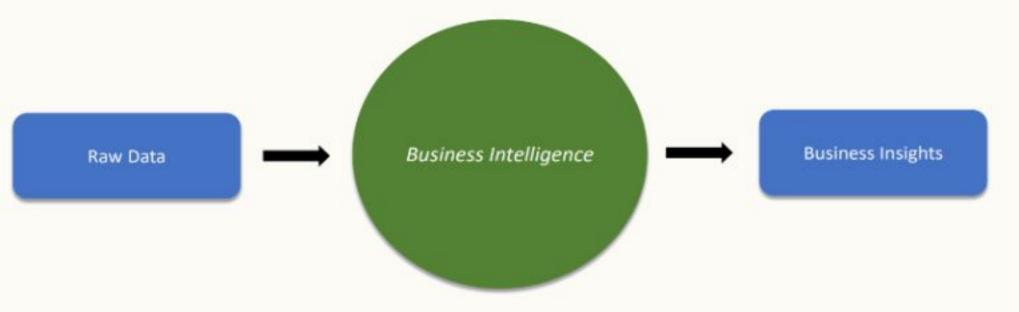
## WHY POWER BI?

- ✓ Self-Service Analytics
- ✓ Data Discovery and Insights
- ✓ Collaboration and Sharing
- ✓ Data Connectivity
- ✓ Data Transformation and Modeling
- ✓ Interactive Visualizations
- ✓ Natural Language Queries
- ✓ Mobile Accessibility
- ✓ Integration with Microsoft Products
- ✓ Embedded Analytics



## What is BI?









Exploded doughnut



Doughnut chart

























Bubble chart.

-

Flow chart



Venn Diagram





Radar chart

Bubble tree map



Scatter plot



Periodic toble



Speedometer chart









Arc Diagram













Feature	Power BI	Microsoft Excel		
Primary Purpose	Business Intelligence and Data Visualization	Spreadsheet Application		
Data Sources	Connects to various data sources (databases, cloud services, etc.)	Limited to local data or data from other workbooks		
Data Modeling	Supports robust data modeling with relationships and DAX formulas	Limited data modeling capabilities		
Data Visualization	Offers a wide range of interactive and highly customizable visualizations	Basic visualization options (charts, graphs, pivot tables)		
Data Transformations	Powerful data transformation and cleaning capabilities with Power Query	Limited data transformation capabilities		
Collaboration	Supports sharing and collaboration through Power BI Service	Limited collaboration features (shared workbooks)		
Data Refresh	Can refresh data from multiple sources on a schedule	Requires manual refresh or VBA scripting		
Scalability	Designed for large datasets and enterprise-level reporting	Limited scalability for large datasets		
Analysis	Advanced data analysis with DAX formulas and measures	Basic data analysis with formulas and pivot tables		
Security	Supports row-level security and data governance features	Limited security features		
Mobile Access	Native mobile apps for data visualization and exploration	Limited mobile support		
Cost	Subscription-based pricing (Power Bl Pro, Premium)	One-time purchase or included in Microsoft Office suite		

## https://tinyurl.com/Datasets-bi

# Thank You!

