



What is the Power of Power BI?



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- Microsoft Technology Consultant @ PwC India
- Organizer @ Postman Community Kolkata
- Former Microsoft Learn Student Ambassador @ AOT
- Research article on "Real Time Sentiment Analysis"
- Python Library "Relocate"
- Loves to explore new places and new music

Disclaimer: The thoughts, opinions, and ideas I will be sharing with you today are entirely my own and I am not speaking on behalf of any organization or entity.

What We Will
Discover Today



Impact of Power BI



Overview of Power BI



Demo

Impact of Power BI



Need for Dashboards

A2																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Account	Business Unit	Currency	Year	Scenario	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
272	Sales	Software	USD	2022	Actuals	\$78,338,286	\$58,034,151	\$75,874,351	\$87,725,417	\$84,878,696	\$73,990,027	\$95,372,852	\$83,104,256	\$52,883,151	\$61,528,451	\$91,089,451	\$87,746,916
273	Cost of Goods Sold	Software	USD	2022	Actuals	(\$32,377,742)	(\$26,379,976)	(\$33,823,729)	(\$41,186,038)	(\$40,605,218)	(\$31,555,193)	(\$46,768,008)	(\$33,951,735)	(\$24,520,783)	(\$24,743,822)	(\$36,760,421)	(\$43,815,665)
274	Commissions Expense	Software	USD	2022	Actuals	(\$3,477,740)	(\$2,612,821)	(\$3,043,000)	(\$4,206,639)	(\$3,635,596)	(\$3,390,988)	(\$4,751,711)	(\$3,385,162)	(\$2,396,080)	(\$2,929,053)	(\$4,196,677)	(\$3,591,506)
275	Payroll Expense	Software	USD	2022	Actuals	(\$8,777,061)	(\$5,956,476)	(\$8,788,853)	(\$9,995,832)	(\$8,550,645)	(\$8,956,466)	(\$11,183,485)	(\$8,871,134)	(\$6,351,611)	(\$7,670,731)	(\$9,827,555)	(\$9,599,585)
276	Travel & Entertainment Expense	Software	USD	2022	Actuals	(\$851,217)	(\$648,182)	(\$827,626)	(\$971,146)	(\$1,009,775)	(\$865,150)	(\$1,184,627)	(\$992,651)	(\$601,399)	(\$727,376)	(\$1,128,223)	(\$1,000,127)
277	R&D Expense	Software	USD	2022	Actuals	(\$3,158,339)	(\$2,728,823)	(\$3,421,161)	(\$4,332,736)	(\$4,162,923)	(\$3,139,829)	(\$4,315,056)	(\$3,425,707)	(\$2,305,237)	(\$2,579,902)	(\$4,086,474)	(\$4,146,068)
278	Consulting Expense	Software	USD	2022	Actuals	(\$4,069,215)	(\$3,519,759)	(\$4,009,533)	(\$4,836,632)	(\$5,257,809)	(\$4,412,376)	(\$4,985,773)	(\$4,979,583)	(\$2,840,712)	(\$3,475,369)	(\$4,584,362)	(\$4,474,219)
279	Software/Hardware Expense	Software	USD	2022	Actuals	(\$6,585,349)	(\$4,759,687)	(\$6,493,370)	(\$6,546,763)	(\$6,734,243)	(\$6,212,732)	(\$8,195,799)	(\$6,417,083)	(\$4,176,227)	(\$5,193,726)	(\$6,901,697)	(\$7,639,360)
280	Marketing Expense	Software	USD	2022	Actuals	(\$1,828,234)	(\$1,342,350)	(\$1,751,692)	(\$2,175,232)	(\$1,829,981)	(\$1,789,035)	(\$1,954,312)	(\$2,007,974)	(\$1,094,268)	(\$1,521,032)	(\$1,827,984)	(\$1,900,742)
281	Sales	Advertising	USD	2022	Actuals	\$19,584,572	\$14,508,538	\$17,451,101	\$22,808,608	\$21,219,674	\$19,977,307	\$21,935,756	\$24,931,277	\$15,336,114	\$13,536,259	\$26,415,941	\$20,181,791
282	Cost of Goods Sold	Advertising	USD	2022	Actuals	(\$8,362,230)	(\$6,091,621)	(\$8,316,059)	(\$10,159,328)	(\$8,624,806)	(\$9,693,159)	(\$9,579,056)	(\$9,973,478)	(\$6,228,310)	(\$6,023,754)	(\$10,593,290)	(\$8,974,298)
283	Commissions Expense	Advertising	USD	2022	Actuals	(\$915,086)	(\$612,941)	(\$823,113)	(\$916,944)	(\$880,691)	(\$867,181)	(\$960,417)	(\$1,047,426)	(\$623,688)	(\$675,831)	(\$1,132,922)	(\$970,183)
284	Payroll Expense	Advertising	USD	2022	Actuals	(\$2,065,945)	(\$1,474,640)	(\$2,117,096)	(\$2,790,604)	(\$2,540,908)	(\$2,325,558)	(\$2,387,390)	(\$3,056,599)	(\$1,798,103)	(\$1,677,834)	(\$3,256,778)	(\$2,424,353)
285	Travel & Entertainment Expense	Advertising	USD	2022	Actuals	(\$240,447)	(\$157,072)	(\$183,016)	(\$241,630)	(\$239,007)	(\$238,586)	(\$266,862)	(\$274,476)	(\$188,419)	(\$144,601)	(\$275,592)	(\$214,592)
286	R&D Expense	Advertising	USD	2022	Actuals	(\$796,397)	(\$610,923)	(\$729,783)	(\$913,075)	(\$1,012,763)	(\$882,471)	(\$1,093,311)	(\$1,137,735)	(\$686,706)	(\$582,618)	(\$1,127,220)	(\$876,587)
287	Consulting Expense	Advertising	USD	2022	Actuals	(\$1,199,233)	(\$811,310)	(\$900,254)	(\$1,164,976)	(\$1,151,854)	(\$1,034,607)	(\$1,285,049)	(\$1,518,350)	(\$866,477)	(\$705,238)	(\$1,549,744)	(\$1,249,787)
288	Software/Hardware Expense	Advertising	USD	2022	Actuals	(\$1,445,011)	(\$1,126,211)	(\$1,306,570)	(\$1,839,960)	(\$1,539,232)	(\$1,482,785)	(\$1,588,028)	(\$1,880,876)	(\$1,288,625)	(\$1,107,308)	(\$2,083,925)	(\$1,761,373)
289	Marketing Expense	Advertising	USD	2022	Actuals	(\$420,494)	(\$304,699)	(\$395,657)	(\$479,567)	(\$522,262)	(\$404,189)	(\$497,618)	(\$499,475)	(\$321,370)	(\$275,373)	(\$589,065)	(\$494,276)
290	Sales	Hardware	USD	2022	Actuals	\$30,551,932	\$19,731,611	\$24,279,792	\$35,090,167	\$26,312,396	\$25,896,509	\$31,473,041	\$27,424,404	\$21,153,260	\$24,611,380	\$30,059,519	\$30,711,421
291	Cost of Goods Sold	Hardware	USD	2022	Actuals	(\$13,819,091)	(\$9,286,529)	(\$10,933,750)	(\$15,827,962)	(\$12,543,885)	(\$11,801,803)	(\$15,410,493)	(\$12,281,930)	(\$8,667,400)	(\$10,416,735)	(\$12,874,137)	(\$15,312,570)
292	Commissions Expense	Hardware	USD	2022	Actuals	(\$1,369,961)	(\$942,250)	(\$1,067,439)	(\$1,630,125)	(\$1,266,063)	(\$1,202,899)	(\$1,418,412)	(\$1,366,956)	(\$922,278)	(\$1,025,165)	(\$1,394,203)	(\$1,252,426)
293	Payroll Expense	Hardware	USD	2022	Actuals	(\$3,344,503)	(\$2,300,612)	(\$2,595,976)	(\$3,778,056)	(\$3,167,287)	(\$2,947,517)	(\$3,546,969)	(\$2,816,091)	(\$2,552,955)	(\$2,506,235)	(\$3,473,277)	(\$3,338,330)
294	Travel & Entertainment Expense	Hardware	USD	2022	Actuals	(\$338,744)	(\$244,628)	(\$271,723)	(\$354,541)	(\$300,962)	(\$260,911)	(\$327,018)	(\$336,207)	(\$259,047)	(\$300,466)	(\$322,986)	(\$313,283)
295	R&D Expense	Hardware	USD	2022	Actuals	(\$1,468,744)	(\$973,887)	(\$1,032,242)	(\$1,717,271)	(\$1,287,760)	(\$1,206,283)	(\$1,470,777)	(\$1,246,641)	(\$1,025,992)	(\$1,104,742)	(\$1,379,202)	(\$1,486,638)
296	Consulting Expense	Hardware	USD	2022	Actuals	(\$1,633,292)	(\$1,089,178)	(\$1,472,323)	(\$2,057,777)	(\$1,473,412)	(\$1,538,962)	(\$1,683,014)	(\$1,385,482)	(\$1,129,867)	(\$1,300,291)	(\$1,689,964)	(\$1,833,600)
297	Software/Hardware Expense	Hardware	USD	2022	Actuals	(\$2,276,556)	(\$1,464,050)	(\$2,030,413)	(\$2,759,580)	(\$2,279,559)	(\$2,087,858)	(\$2,509,070)	(\$2,137,231)	(\$1,498,973)	(\$2,006,400)	(\$2,628,526)	(\$2,421,145)
298	Marketing Expense	Hardware	USD	2022	Actuals	(\$661,654)	(\$401,978)	(\$494,551)	(\$729,508)	(\$547,250)	(\$536,085)	(\$699,474)	(\$582,080)	(\$490,459)	(\$554,075)	(\$629,658)	(\$720,295)
299	Sales	Software	USD	2023	Budget	\$89,862,727	\$99,687,807	\$99,378,570	\$55,271,910	\$83,758,431	\$51,637,163	\$76,348,472	\$66,086,281	\$80,081,331	\$83,886,832	\$95,750,606	\$87,036,633
300	Cost of Goods Sold	Software	USD	2023	Budget	(\$39,040,130)	(\$39,921,367)	(\$45,671,498)	(\$25,801,859)	(\$39,706,126)	(\$24,992,558)	(\$31,073,960)	(\$27,470,867)	(\$33,718,513)	(\$35,019,709)	(\$45,131,670)	(\$36,256,184)
301	Commissions Expense	Software	USD	2023	Budget	(\$4,014,208)	(\$4,730,507)	(\$4,051,116)	(\$2,388,743)	(\$3,788,314)	(\$2,165,366)	(\$3,369,016)	(\$2,871,769)	(\$3,799,113)	(\$3,974,617)	(\$4,757,153)	(\$3,920,259)
302	Payroll Expense	Software	USD	2023	Budget	(\$11,164,524)	(\$11,563,467)	(\$10,590,962)	(\$6,628,891)	(\$10,201,147)	(\$6,336,226)	(\$8,308,362)	(\$8,049,766)	(\$9,552,167)	(\$9,069,604)	(\$11,039,826)	(\$9,218,680)

Scope of Data Analytics

Forbes ADVISORIN  

Advisor > Education

What Are The Fastest-Growing Jobs Of 2024?



Armaan Joshi
Editor

Updated: Sep 13, 2023, 5:55pm

Data Science and Analytics

Growth Rate (2021-2031): 29%

Median Pay: INR 8-12 lakh per annum

Education Requirements: Bachelor's or Master's degree in Data Science, Computer Science, Statistics, or a related field

Data Science and Analytics have emerged as a game-changer across industries, with companies harnessing data-driven insights to make informed decisions. Skilled data scientists and analysts are in high demand, analyzing vast datasets, developing predictive models, and interpreting complex information to solve business challenges. With exponential growth in the digital realm, this field is expected to witness substantial opportunities in the coming years.

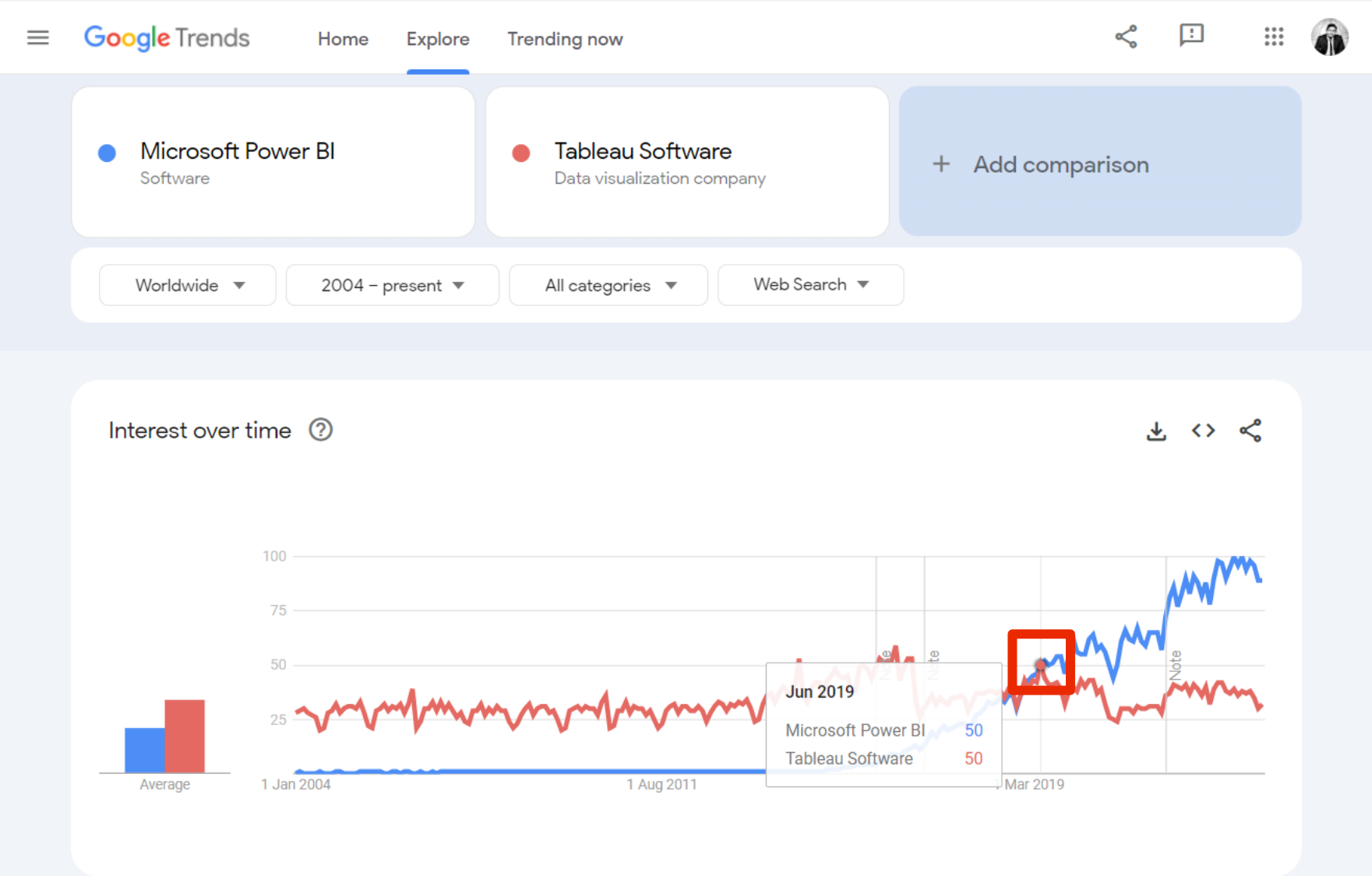
Data science and analytics professionals are at the forefront of the digital revolution, where data-driven decision-making is transforming industries. Their expertise in statistical analysis, machine learning, and data visualization allows them to extract valuable insights from vast datasets, enabling businesses to optimize operations, enhance customer experiences, and drive innovation. As businesses increasingly rely on data to stay competitive, data scientists and analysts play a pivotal role in shaping strategic decisions and unlocking hidden opportunities for growth.

Scope of Power BI

Microsoft named a **Leader** in the 2023 Gartner® Magic Quadrant™ for Analytics and BI Platforms



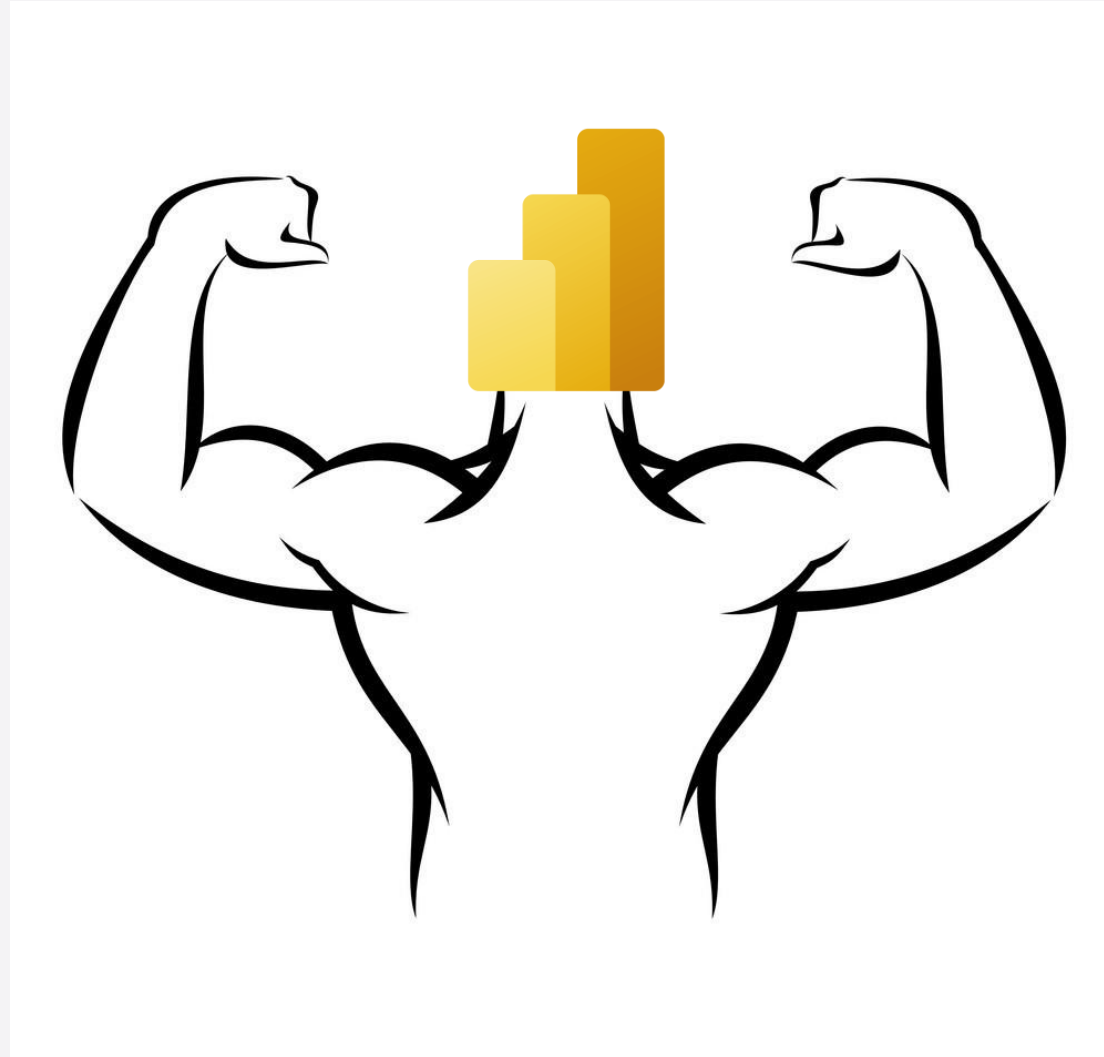
Popularity of Power BI



Overview of Power BI



Why it's called "Power" BI?



Microsoft Power Platform



Microsoft Power Platform

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.



Power BI

Business analytics



Power Apps

App development



Power Automate

Process automation



Power Virtual Agents

Intelligent virtual agents



Power Pages

External-facing websites

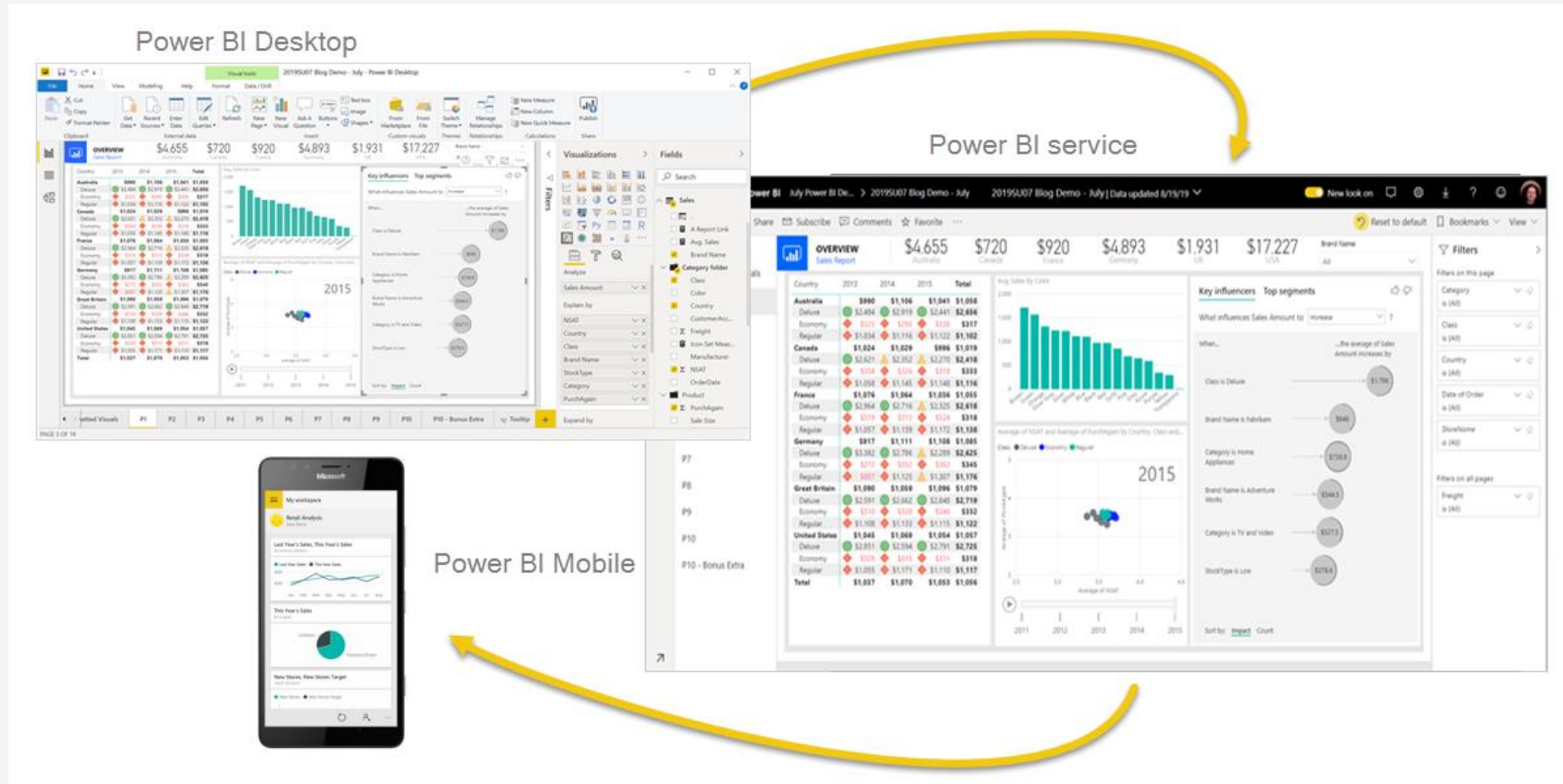
What is Power BI?



Power BI is a collection of software services, apps, and connectors that work together to turn our unrelated sources of data into interactive insights.

Power BI lets us easily connect to our data sources, visualize and discover what's important, and share that with anyone or everyone we want.

The parts of Power BI



Building blocks of Power BI

Visualizations

A visual representation of data.

Semantic models

A collection of data that Power BI uses to create its visualizations.

Reports

A collection of visualizations on one or more pages.

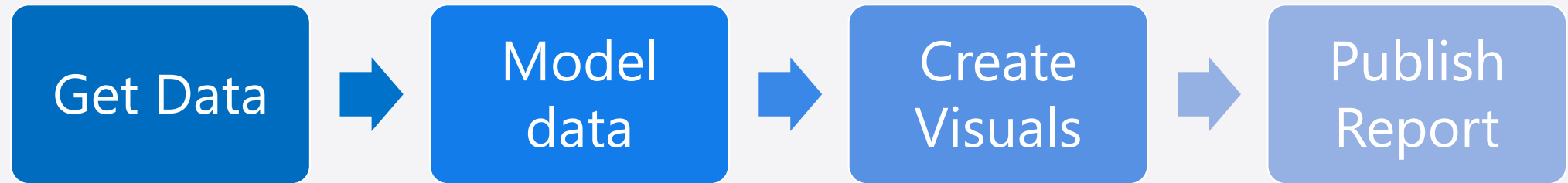
Dashboards

A collection of visualizations in a page, mostly used for sharing.

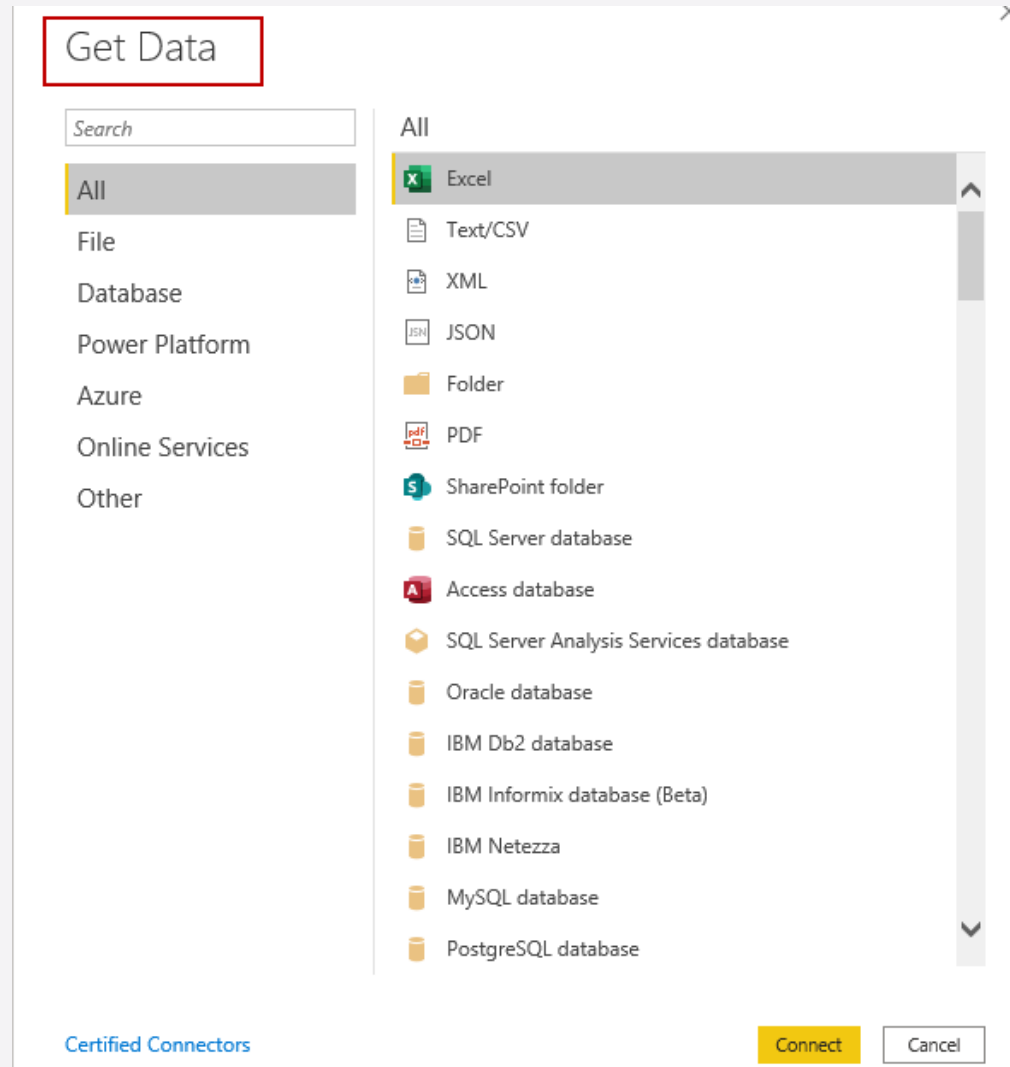
Tiles

A single visualization on a dashboard.

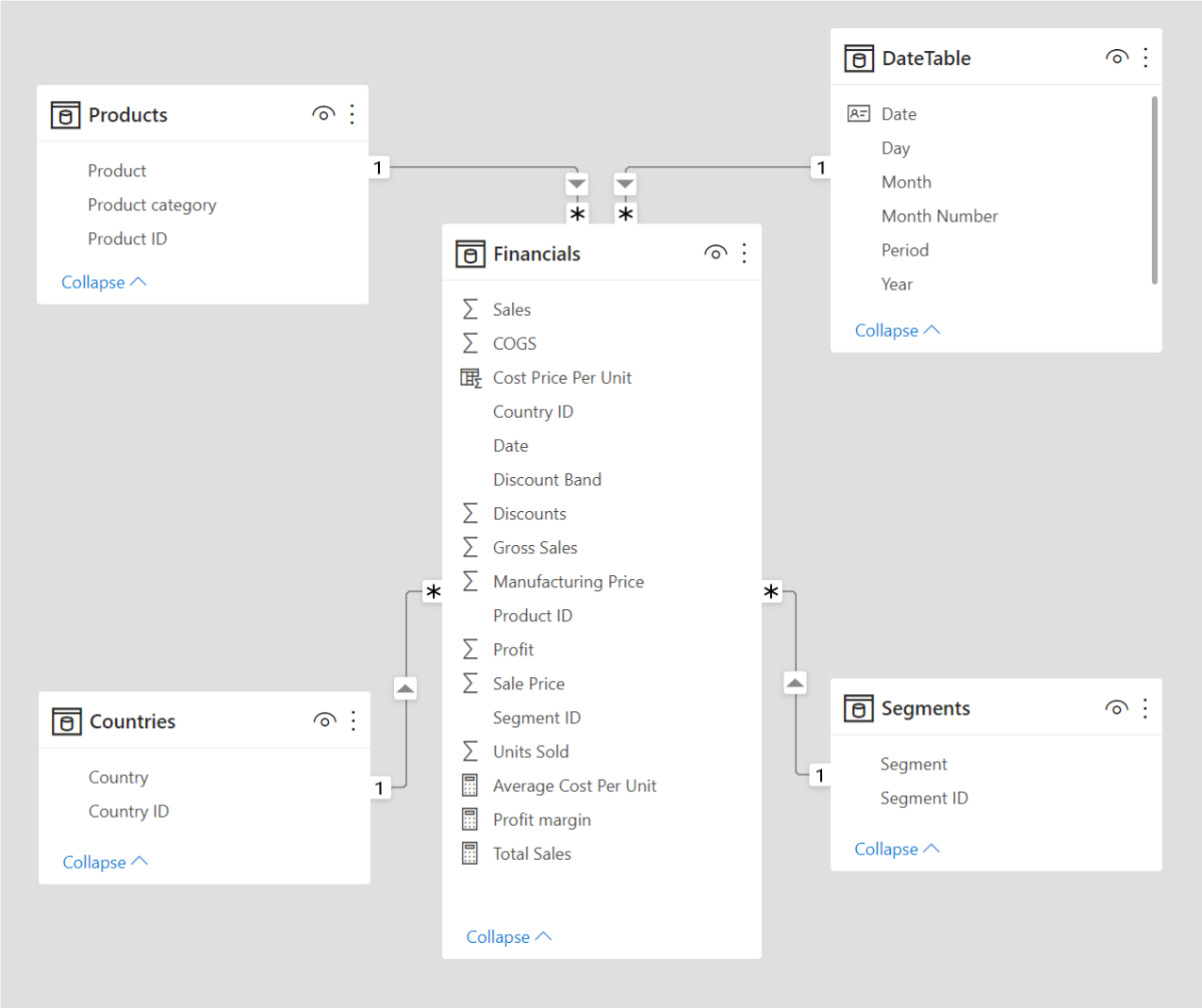
Flow of Power BI



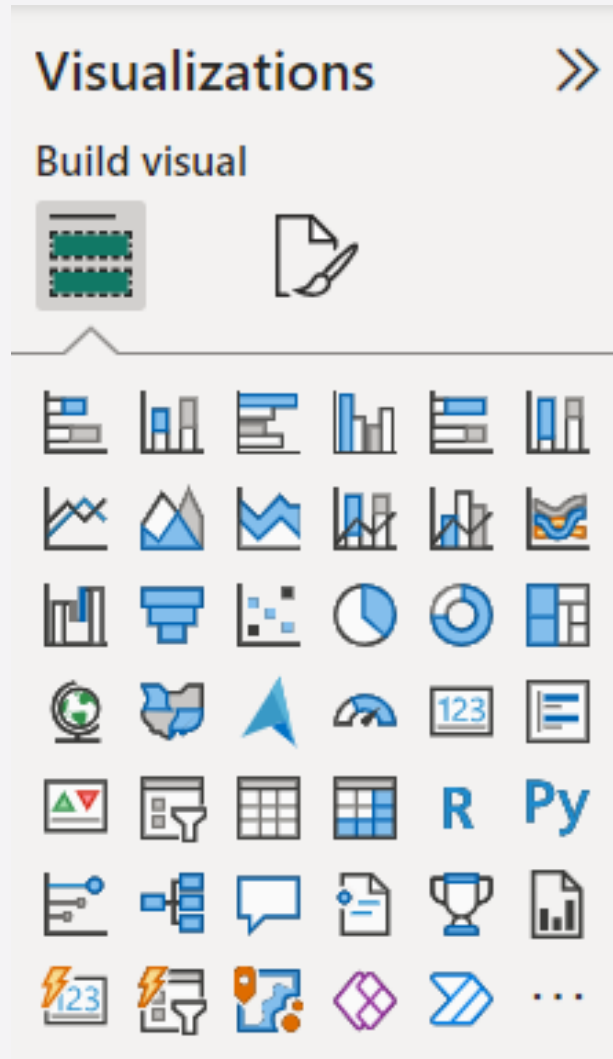
Get Data



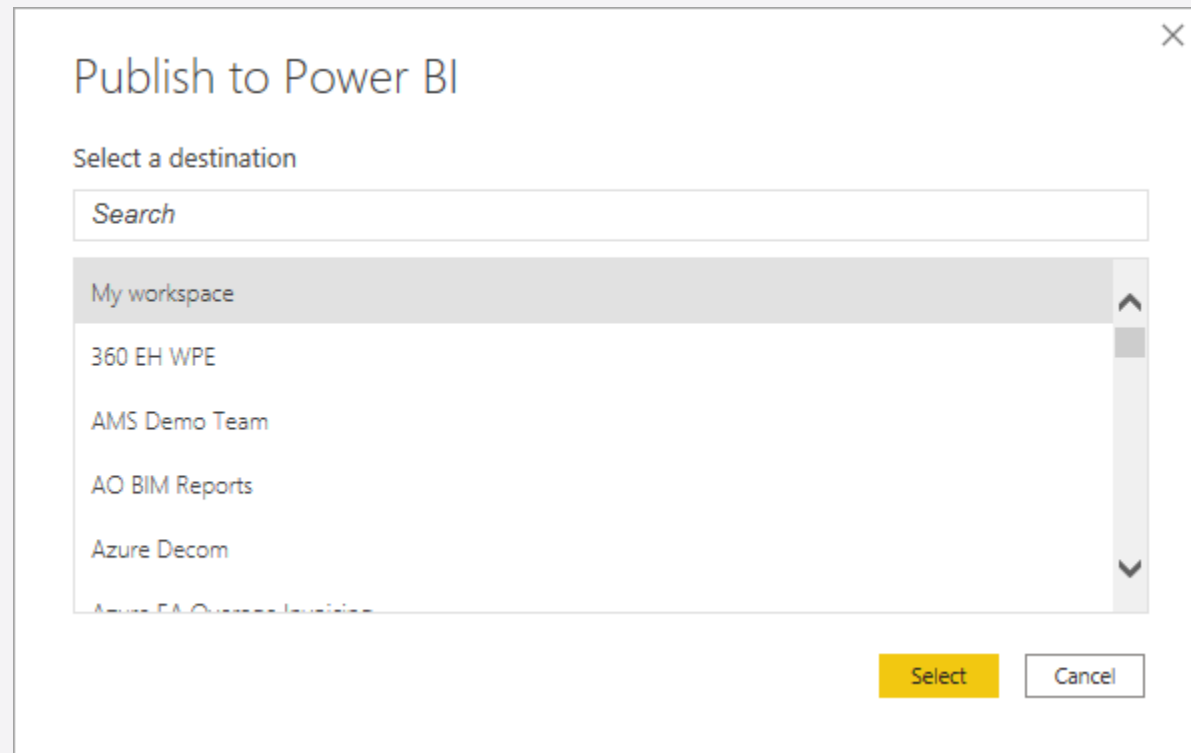
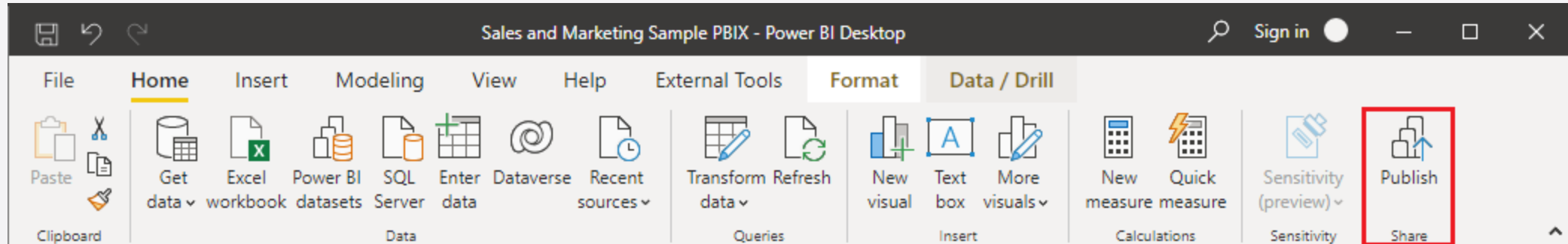
Model data



Create Visuals



Publish Report



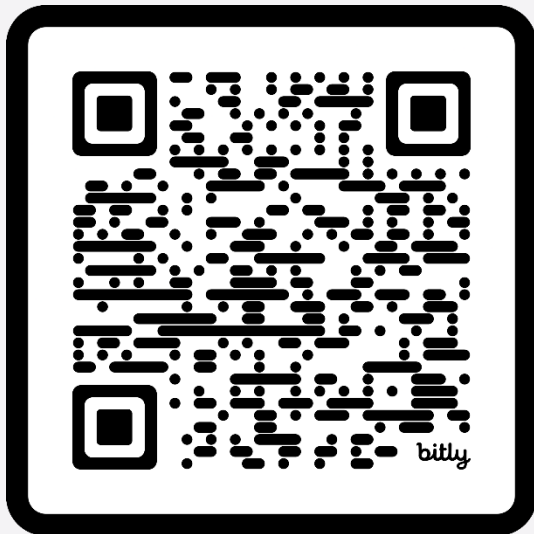
Demo



Demo

Find the files at

<https://bit.ly/Power-BI-Demo>





Thank You!!

Find my socials at

<https://bit.ly/SandipPalit>

