



Introduction to PowerBI

Presented By
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Agenda

- Why is Business Intelligence Important?
- Introducing PowerBI?
- Five Steps to Great Dashboards
- PowerBI Demonstration
- Q & A



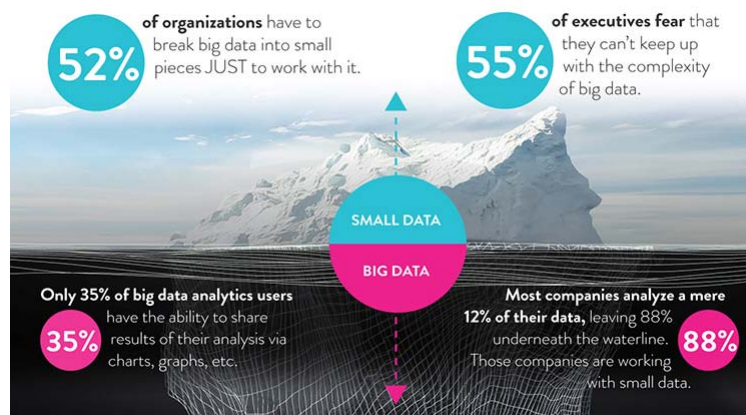
Business intelligence allows businesses to make better decisions by accessing big data, and cloud computing has leveled the playing field

Even small companies that don't accumulate a large volume of data can derive considerable benefits from better analytics

Tom Drake, Business.com



Small Data vs. Big Data



Platfora Big Data Analytics Infographic



So Why Aren't Business Using Data More Effectively?

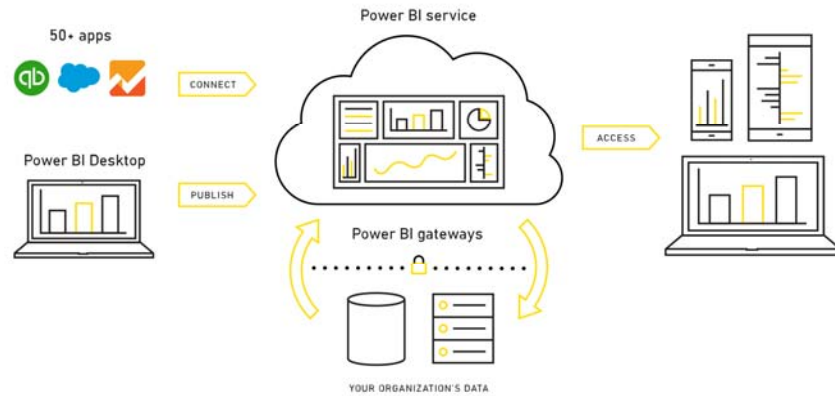
1. Data is in separate silos and not readily available
2. People are reluctant to change
3. Business Intelligence tools have historically been too expensive and hard to use

Not Anymore!

Figure 1. Magic Quadrant for Business Intelligence and Analytics Platforms



Introducing PowerBI

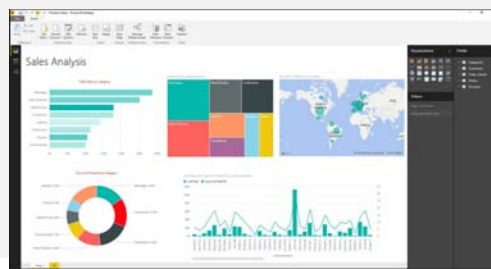


Power BI for Desktop

Power BI Desktop is a visual data exploration and reporting tool

Common Scenarios:

- Connect to data sources
- Create queries
- Configure relationships
- Define data model
- Design reports
- Publish to Power BI app





FIVE STEPS TO GREAT DASHBOARDS



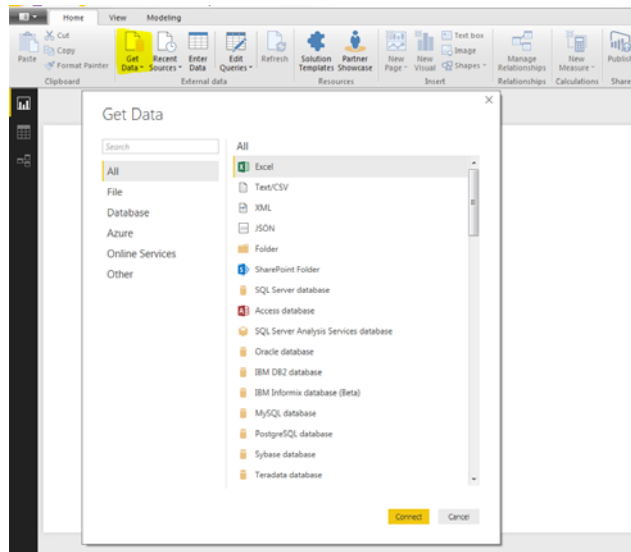
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FIVE STEPS TO GREAT DASHBOARDS

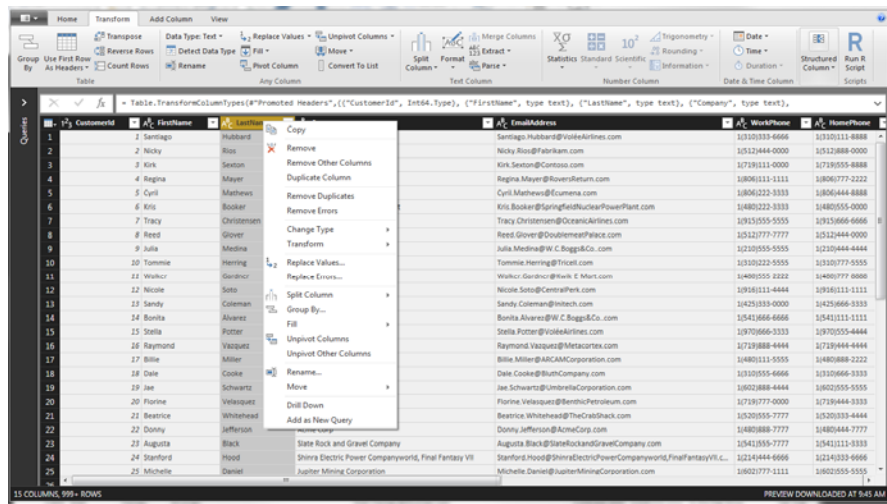
1. Import Data
2. Model & Transform Data
3. Create Reports
4. Add Visualizations
5. Publish & Share Dashboard



STEP 1 Import Data



STEP 2 Model & Transform



Dataset from Ted Peterson - Critical Path Training



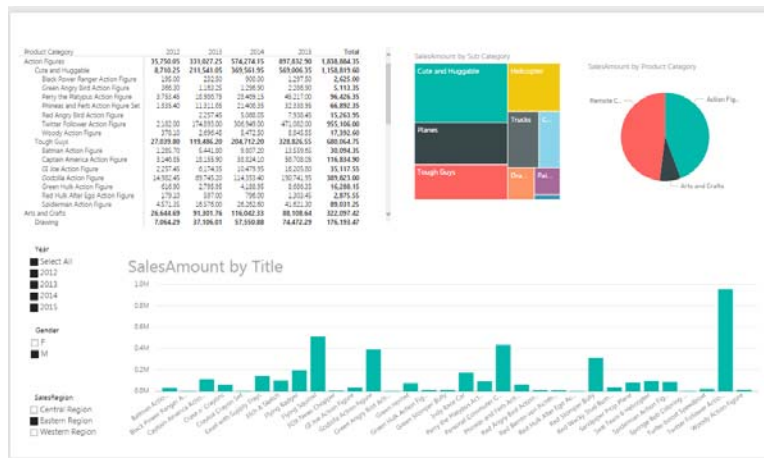
STEP 3 Create Reports

Product Category	2012	2013	2014	2015	Total
Action Figure	375,581.80	1,691,135.00	2,448,862.50	2,878,009.25	7,393,488.55
Cats and Huggable	71,966.45	1,028,261.70	1,518,394.30	1,737,893.65	4,356,064.50
Black Tower Ranger Action Figure	1,615.00	2,700.00	3,750.00	4,500.00	13,015.00
Green Angry Bird Action Figure	2,892.93	5,512.18	6,012.00	6,512.90	23,294.70
Warty the Wartigoo Action Figure	27,127.75	85,897.70	124,451.00	160,125.25	489,999.30
Phonix and Herb Action Figure Set	13,670.70	68,088.13	93,954.45	110,361.90	286,766.40
Red Angry Bird Action Figure		11,451.70	23,600.00	35,821.30	81,653.00
Turtle Follower Action Figure	15,550.00	827,233.00	1,341,215.00	1,197,640.00	3,491,188.00
Woody Action Figure	3,142.13	12,871.80	22,978.55	33,580.35	79,286.80
Tough Guy	303,615.15	644,973.30	509,797.80	1,148,037.60	1,919,164.05
Batman Action Figure	22,875.15	25,699.05	37,954.00	46,833.00	139,767.65
Captain America Action Figure	27,027.00	100,298.80	163,739.80	190,021.20	499,714.60
Clay Action Figure	22,366.85	35,461.00	50,027.65	60,099.00	168,959.90
Godzilla Action Figure	100,205.15	334,404.45	334,600.00	693,322.35	1,744,797.30
Green Hulk Action Figure	12,094.70	22,176.70	22,422.25	30,273.35	82,744.90
Red Hulk After Egg Action Figure	1,352.46	1,208.80	6,000.00	4,873.50	13,991.20
Soldierman Action Figure	49,700.15	96,397.20	113,923.39	140,295.00	399,834.10
Art and Crafts	281,638.13	608,873.60	657,693.00	333,619.74	1,660,174.48
Drawing	82,787.17	193,830.13	264,643.72	295,546.24	806,627.28
Crates or Crayons	17,839.98	79,034.00	121,000.20	34,873.70	233,877.09
Chopax Crayon Set	2,096.27	1,327.15	3,848.97	4,124.44	12,366.83
Stix & Sketch	29,282.30	103,189.70	134,441.70	183,703.70	450,660.00
Storage Box Coasting Book	13,059.65	1,209.50	6,749.45	3,174.40	32,919.40
Painting	198,850.95	307,242.45	290,409.30	35,444.50	851,947.20
Teal with Supply Trays	198,000.00	307,242.45	290,409.30	35,444.50	851,947.20
Remove General Vehicle	419,606.40	1,295,026.40	2,338,863.80	4,112,589.50	8,197,077.20
Boats	8,830.60	22,438.95	23,337.00	41,549.95	101,159.50
Submarine Speedboat	8,830.60	22,438.95	23,337.00	41,549.95	101,159.50
Cars	60,008.85	254,979.95	365,786.15	445,514.75	1,131,289.70
Green Import	6,416.05	77,894.20	110,220.00	142,121.40	236,496.65
Only Race Car	61,950.90	182,289.45	255,566.15	303,393.35	792,789.85
Helicopter			392,299.30	1,462,238.23	1,854,537.53
Personal Consumer Cheaper			13,040.40	1,191,903.80	1,191,944.20
Sail Team E Helicopter			71,281.90	270,434.45	341,693.35
Wares	184,448.15	690,979.30	1,009,008.65	1,319,051.15	3,404,427.65
Pump Bagper	69,950.30	203,000.00	251,077.15	316,763.15	800,732.35
Pump Squawel	64,543.15	332,542.20	633,644.20	1,055,511.25	2,134,181.50
Pon Snow Creeper	4,852.40	3,368.15	4,844.75	17,460.95	29,996.25
Red Baron von Ruckhofen	3,199.95	13,212.15	15,947.80	18,814.45	56,975.15
Sandpaper Strip Plane	39,900.25	83,797.15	12,847.85	141,341.35	380,517.40
Trucks	166,118.60	322,688.20	406,492.80	644,626.20	1,529,606.60
Green Steamper Bully	9,186.25	20,144.65	23,523.85	28,871.15	78,891.90
Red Steamper Bully	125,226.80	260,651.55	432,359.15	559,646.70	1,379,916.80
Red Wacky Dual Bumper	31,714.45	33,882.00	47,509.80	57,709.85	179,817.60

Dataset from Ted Peterson - Critical Path Training



STEP 4 Add Filters and Visualizations



Dataset from Ted Peterson - Critical Path Training



STEP 5 Publish and Share

The screenshot shows the Power BI 'Share dashboard' dialog box. The main window displays a table of sales data and a bar chart titled 'SalesAmount by Title'. The table has columns for Product Category, 2012, 2013, 2014, 2015, and Total. The bar chart shows sales amounts for various product titles across different years.

Product Category	2012	2013	2014	2015	Total
Action Figure	35,750.00	331,822.25	574,274.15	987,853.90	1,930,700.30
Clark Kent Figurine	8,750.25	251,543.25	395,543.55	169,896.55	1,105,733.60
Black Power Ranger Action Figure	200.00	200.00	900.00	1,200.00	2,400.00
Power Ranger Brat Action Figure	200.00	1,100.00	1,200.00	2,000.00	5,100.00
Henry the Partridge Action Figure	1,700.00	32,988.75	32,498.15	42,217.00	96,403.90
Wesley and Park Action Figure Set	1,400.00	21,512.00	21,400.00	32,500.00	66,812.00
Red Ranger Brat Action Figure	2,200.00	2,207.40	3,000.00	7,700.00	15,107.40
Tomb Raider Action Figure	2,100.00	174,200.00	109,500.00	472,000.00	957,800.00
Woody Action Figure	370.25	2,099.40	3,472.50	8,040.00	13,982.15
Tough Guy	27,000.00	159,400.00	204,712.00	328,800.00	720,912.00
Warner Action Figure	1,200.00	3,400.00	7,000.00	11,000.00	22,600.00
Captain America Action Figure	1,240.00	32,135.00	33,024.00	35,700.00	102,104.00
Iron Man Action Figure	2,207.00	8,176.00	26,479.00	23,000.00	59,862.00
Starline Action Figure	14,802.00	89,748.20	124,100.00	187,740.00	396,390.20
Power Hulk Action Figure	2,000.00	3,700.00	4,200.00	5,000.00	14,900.00
Red Hulk Star Line Action Figure	170.00	387.00	700.00	1,200.00	2,457.00
Spiderman Action Figure	4,271.00	28,170.00	20,200.00	43,000.00	95,641.00
Total	158,271.84	662,362.81	1,224,111.81	1,762,109.84	4,746,856.30

The 'Share dashboard' dialog box is open on the right, showing options to share the dashboard with 'James Meyer' and a 'Share' button.

