

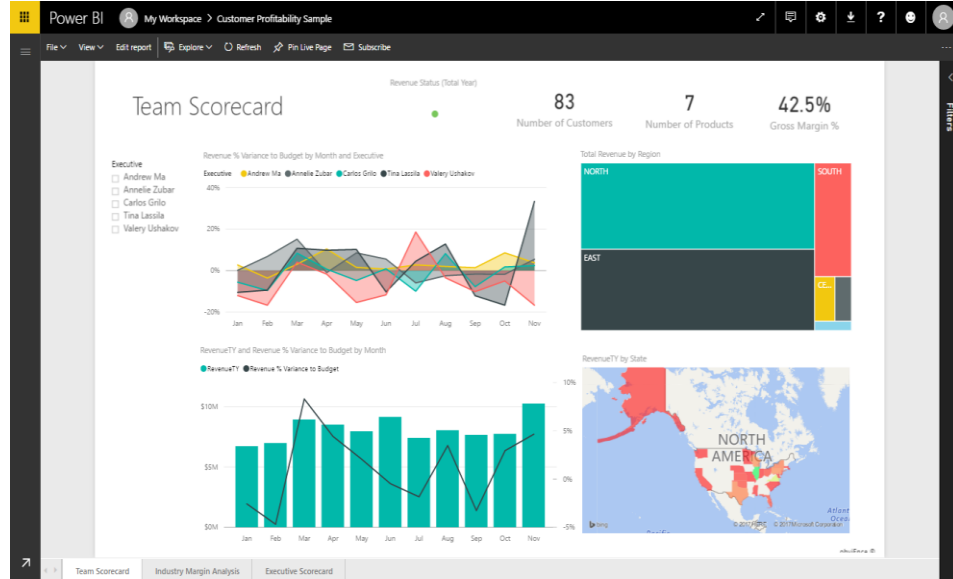
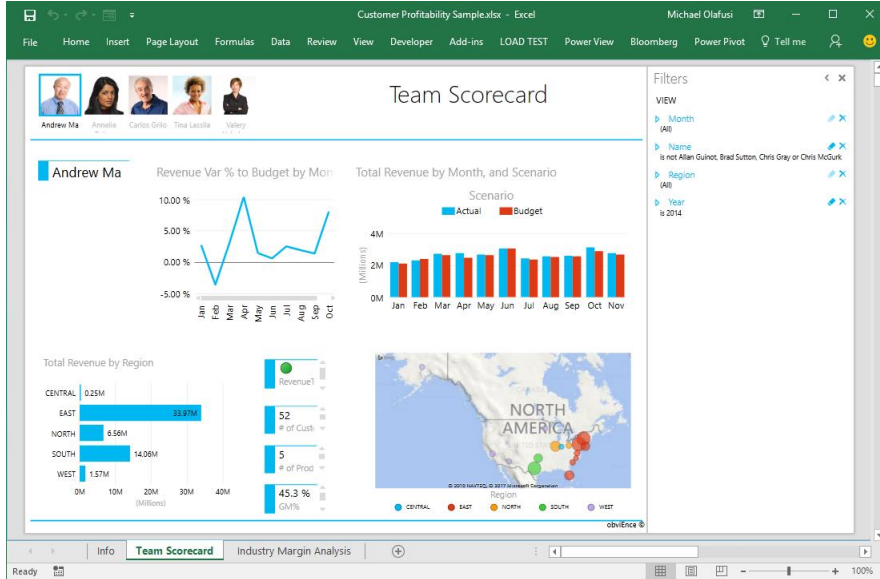
Power BI

The Value Proposition



Power BI

Power BI: More Interactive Insights



Do more with your data. Integrates seamlessly with common data sources. Create more insightful reports that can be automatically refreshed. Allows setting up of threshold points that when reached you will get an email and/or phone notification

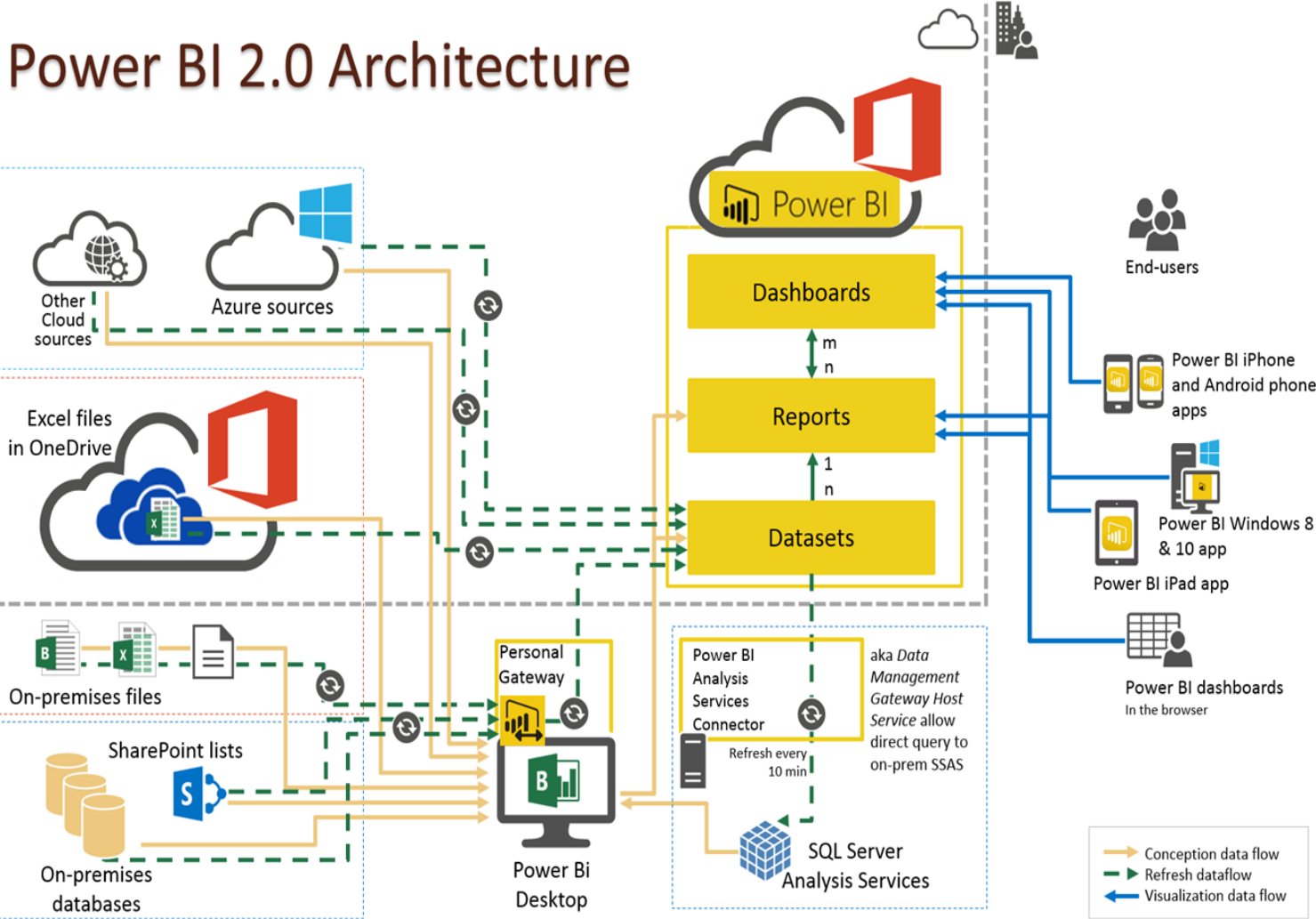
“

The things that give an organization a strong competitive edge are: 1) what it knows, 2) how it uses what it knows and 3) how fast it knows things.

”

- Larry Prusak (1996)

Power BI 2.0 Architecture



All your data
 From Anywhere
 Consolidated
 Highly Visual
 Interactive
 24/7 Access
 Always Fresh
 PPT Ready
 Drill Down

Connects Natively To Over 100 Data Sources

The screenshot displays the Microsoft Power BI Desktop interface. The 'Get Data' dialog box is open, showing a list of data sources under the 'All' category. The 'All' category is selected in the left sidebar of the dialog. The list of data sources includes:

- Excel
- Text/CSV
- XML
- JSON
- Folder
- PDF
- SharePoint folder
- SQL Server database
- Access database
- SQL Server Analysis Services database
- Oracle database
- IBM Db2 database
- IBM Informix database (Beta)
- IBM Netezza
- MySQL database
- PostgreSQL database

At the bottom of the dialog, there are 'Certiified Connectors' and 'Connect' and 'Cancel' buttons. The background shows the Power BI Desktop ribbon with tabs for File, Home, View, Modeling, and Help. The 'Visualizations' pane on the right shows various chart and table options. The 'Fields' pane on the right shows a search bar and a list of data sources under the 'All' category, including:

- InterSystems IRIS (Beta)
- Jethro (Beta)
- Kyligence
- MarkLogic
- Microsoft Graph Security (Beta)
- Paxata
- QubolePresto (Beta)
- Quick Base
- Roamler (Beta)
- SurveyMonkey (Beta)
- TeamDesk (Beta)
- Tenforce (Smart)List (Beta)
- Azure Time Series Insights (Beta)
- Workforce Dimensions (Beta)
- Workplace Analytics (Beta)
- Blank Query

At the bottom right of the interface, there are 'Connect' and 'Cancel' buttons.

Live Examples: Typical Report in Excel

AutoSave OFF | URBizEdge Continuous Learning Task 4.xlsx | Search

File Home Insert Draw Page Layout Formulas Data Review View Developer Help Fuzzy Lookup MODELRIK

Clipboard | Font | Alignment | Number | Styles

L12

Date	SalesRep	Branch	Product	Batch	Unit Price	Units	Revenue
16-Dec-2017	Adejola Fowoke	Lagos	Imperial Leather	Batch 1204	N 150.00	2	N 300.00
17-Dec-2017	Oluwatoké Oluwa	Abuja	Carex	Batch 1205	N 250.00	2	N 500.00
17-Dec-2017	Adebisi Ajaka	Lagos	Cussons Baby	Batch 1206	N 450.00	3	N 1,350.00
17-Dec-2017	Adebisi Ajaka	Abuja	Premier	Batch 1205	N 120.00	3	N 360.00
17-Dec-2017	Bengongelsule Anuli	Abuja	Robb	Batch 1204	N 50.00	2	N 100.00
18-Dec-2017	Eya Omatanwa	Port Harcourt	Venus	Batch 1205	N 380.00	1	N 380.00
18-Dec-2017	Oluwatoké Oluwa	Abuja	Joy	Batch 1205	N 120.00	3	N 360.00
19-Dec-2017	Bengongelsule Anuli	Lagos	Robb	Batch 1204	N 50.00	2	N 100.00
19-Dec-2017	Bengongelsule Anuli	Abuja	Zip	Batch 1206	N 60.00	1	N 60.00
19-Dec-2017	Adetosoye Chuku	Lagos	Morning Fresh	Batch 1207	N 190.00	2	N 380.00
19-Dec-2017	Eya Omatanwa	Enugu	Premier	Batch 1208	N 120.00	2	N 240.00
19-Dec-2017	Omwale Efe	Abuja	Joy	Batch 1206	N 120.00	1	N 120.00
19-Dec-2017	Abolanle Chikanma	Port Harcourt	Robb	Batch 1208	N 50.00	4	N 200.00
20-Dec-2017	Adebisi Ajaka	Lagos	Premier	Batch 1204	N 120.00	2	N 240.00
20-Dec-2017	Eya Omatanwa	Enugu	Carex	Batch 1207	N 250.00	1	N 250.00
20-Dec-2017	Bengongelsule Anuli	Abuja	Morning Fresh	Batch 1208	N 190.00	1	N 190.00
20-Dec-2017	Osarogie Ezinwa	Abuja	Imperial Leather	Batch 1206	N 150.00	1	N 150.00
20-Dec-2017	Adejola Fowoke	Lagos	Premier	Batch 1205	N 120.00	9	N 1,080.00
20-Dec-2017	Eya Omatanwa	Lagos	Carex	Batch 1204	N 250.00	1	N 250.00
20-Dec-2017	Eya Omatanwa	Enugu	Robb	Batch 1208	N 50.00	3	N 150.00
20-Dec-2017	Osarogie Ezinwa	Abuja	Premier	Batch 1206	N 120.00	3	N 360.00
20-Dec-2017	Adadosola Olisa	Lagos	Canoe	Batch 1206	N 120.00	2	N 240.00
20-Dec-2017	Uzodimma Adamma	Abuja	Canoe	Batch 1206	N 60.00	1	N 60.00
21-Dec-2017	Adadosola Olisa	Enugu	Robb	Batch 1204	N 50.00	2	N 100.00
21-Dec-2017	Adetosoye Chuku	Lagos	Nunu	Batch 1205	N 20.00	24	N 480.00
22-Dec-2017	Uzodimma Adamma	Abuja	Joy	Batch 1204	N 120.00	2	N 240.00
22-Dec-2017	Adejola Fowoke	Lagos	Morning Fresh	Batch 1207	N 190.00	3	N 570.00
22-Dec-2017	Uzodimma Adamma	Abuja	Carex	Batch 1208	N 250.00	3	N 750.00
22-Dec-2017	Uzodimma Adamma	Abuja	Morning Fresh	Batch 1206	N 190.00	2	N 380.00
22-Dec-2017	Adejola Fowoke	Port Harcourt	Morning Fresh	Batch 1205	N 190.00	1	N 190.00
22-Dec-2017	Abolanle Chikanma	Abuja	Nunu	Batch 1204	N 20.00	1	N 20.00
22-Dec-2017	Eya Omatanwa	Abuja	Carex	Batch 1208	N 250.00	3	N 750.00
23-Dec-2017	Bengongelsule Anuli	Abuja	Venus	Batch 1205	N 380.00	15	N 5,700.00
23-Dec-2017	Uzodimma Adamma	Abuja	Carex	Batch 1208	N 250.00	2	N 500.00
23-Dec-2017	Abolanle Chikanma	Port Harcourt	Carex	Batch 1206	N 250.00	3	N 750.00
23-Dec-2017	Ayodele Olusola	Abuja	Canoe	Batch 1206	N 60.00	3	N 180.00
24-Dec-2017	Uzodimma Adamma	Abuja	Cussons Babv	Batch 1208	N 450.00	3	N 1,350.00

RawData Task

The raw data, extracted into Excel

AutoSave OFF | URBizEdge Continuous Learning Task 4.xlsx - Saved | Search

File Home Insert Draw Page Layout Formulas Data Review View Developer Help MODELRIK

N27

Batch

Batch 1204 Batch 1205 Batch 1206 Batch 1207 Batch 1208

Years

2017 2018 2019

Product	Revenue	Transactions	Units Sold	Avg Revenue/Transaction
Imperial Leather	N 172,500	342	1,150	504.3859649
Carex	N 1,057,250	1,270	4,229	832.480315
Cussons Baby	N 966,600	649	2,148	1489.368259
Premier	N 218,580	1,583	5,254	398.2817435
Robb	N 218,950	1,253	4,371	174.4213887
Venus	N 924,920	658	2,434	1405.653495
Joy	N 299,520	637	2,496	470.2040816
Zip	N 247,500	1,290	4,145	192.7906977
Morning Fresh	N 617,500	1,010	3,250	611.3861386
Canoe	N 75,000	324	1,250	231.4814815
Nunu	N 41,880	648	2,094	64.62962963
Mamador	N 193,800	307	969	631.2703583

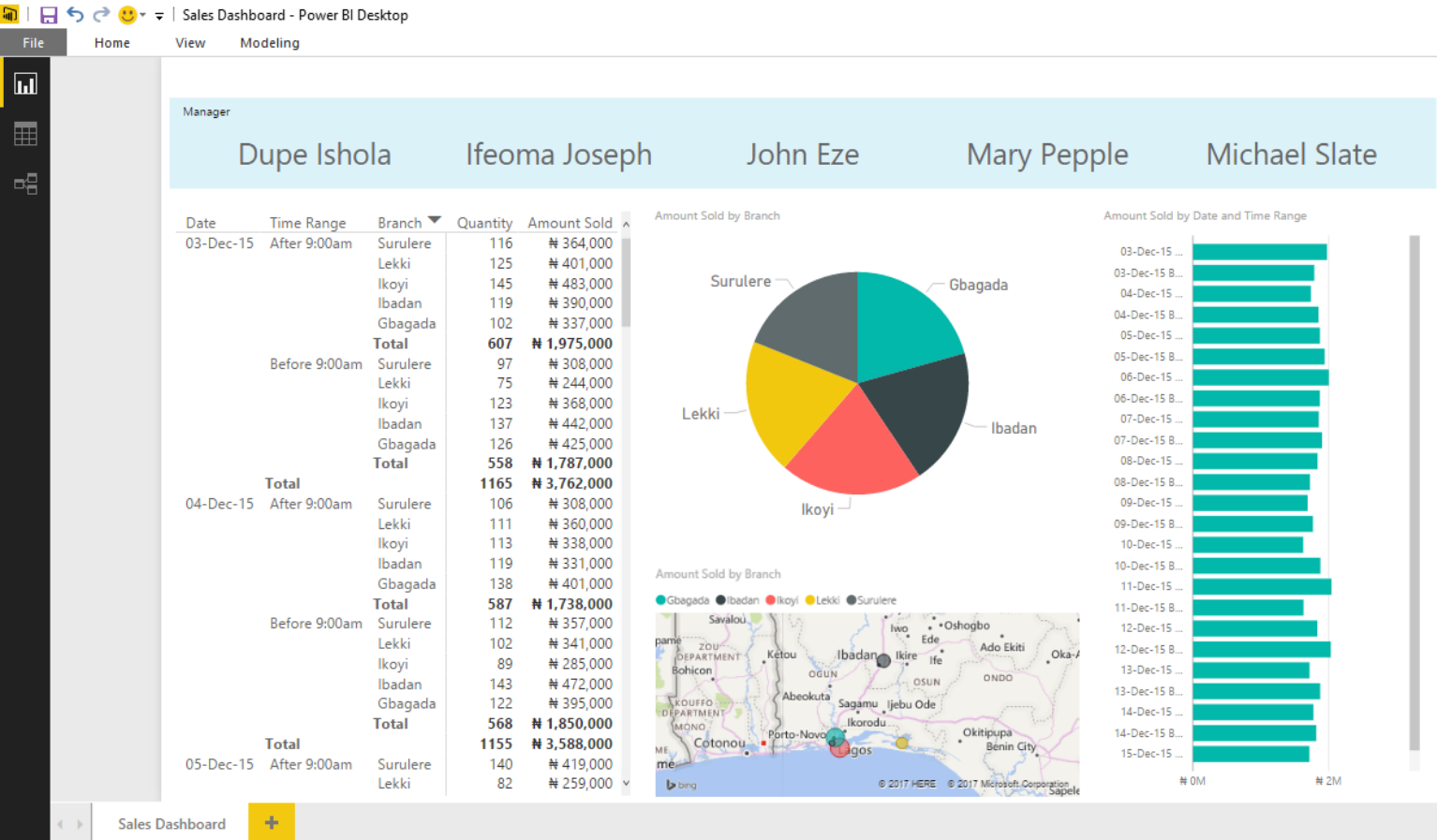
Month	Revenue	% of Rev. Total
Jan	N 149,750	2.75%
Feb	N 141,890	2.61%
Mar	N 180,100	3.31%
Apr	N 142,540	2.62%
May	N 119,210	2.19%
Jun	N 153,670	2.82%
Jul	N 152,840	2.81%
Aug	N 145,970	2.68%
Sep	N 197,620	3.63%
Oct	N 989,190	18.16%
Nov	N 2,031,440	37.30%
Dec	N 1,042,480	19.14%

Monthly Revenue

Revenue % of Rev. Total






Common Practice: Throw in a Pivot Table, one or two slicers and some formulas.

Live Examples: Better In Power BI



Visually engaging reports that give you visibility to all insights in your data. Also allows you to drill-down – from big picture to what's behind it.

No More Multiple Versions of Same Report

Name	Date modified	Type	Size
 Sales Report - latest update.xlsx	3/13/2017 10:35 AM	Microsoft Excel W...	9 KB
 Sales Report - updated - updated - updated.xlsx	3/13/2017 10:35 AM	Microsoft Excel W...	9 KB
 Sales Report - updated - updated again.xlsx	3/13/2017 10:35 AM	Microsoft Excel W...	9 KB
 Sales Report - updated.xlsx	3/13/2017 10:35 AM	Microsoft Excel W...	9 KB
 Sales Report.xlsx	3/13/2017 10:35 AM	Microsoft Excel W...	9 KB



Re: Sales Report - Message (HTML)

File Message Insert Options Format Text Review Tell me what you want to do

Cut Copy Paste Format Painter Clipboard

Calibri (Box) 20 A* A- Bullets Numbering Indent Decrease Indent Increase Indent

Address Book Names Attach File Attach Item Signature Assign Policy Follow Up High Importance Low Importance Office Add-ins

Send

From: mike@urbizedge.com

To: john@reportdept.com

Cc:

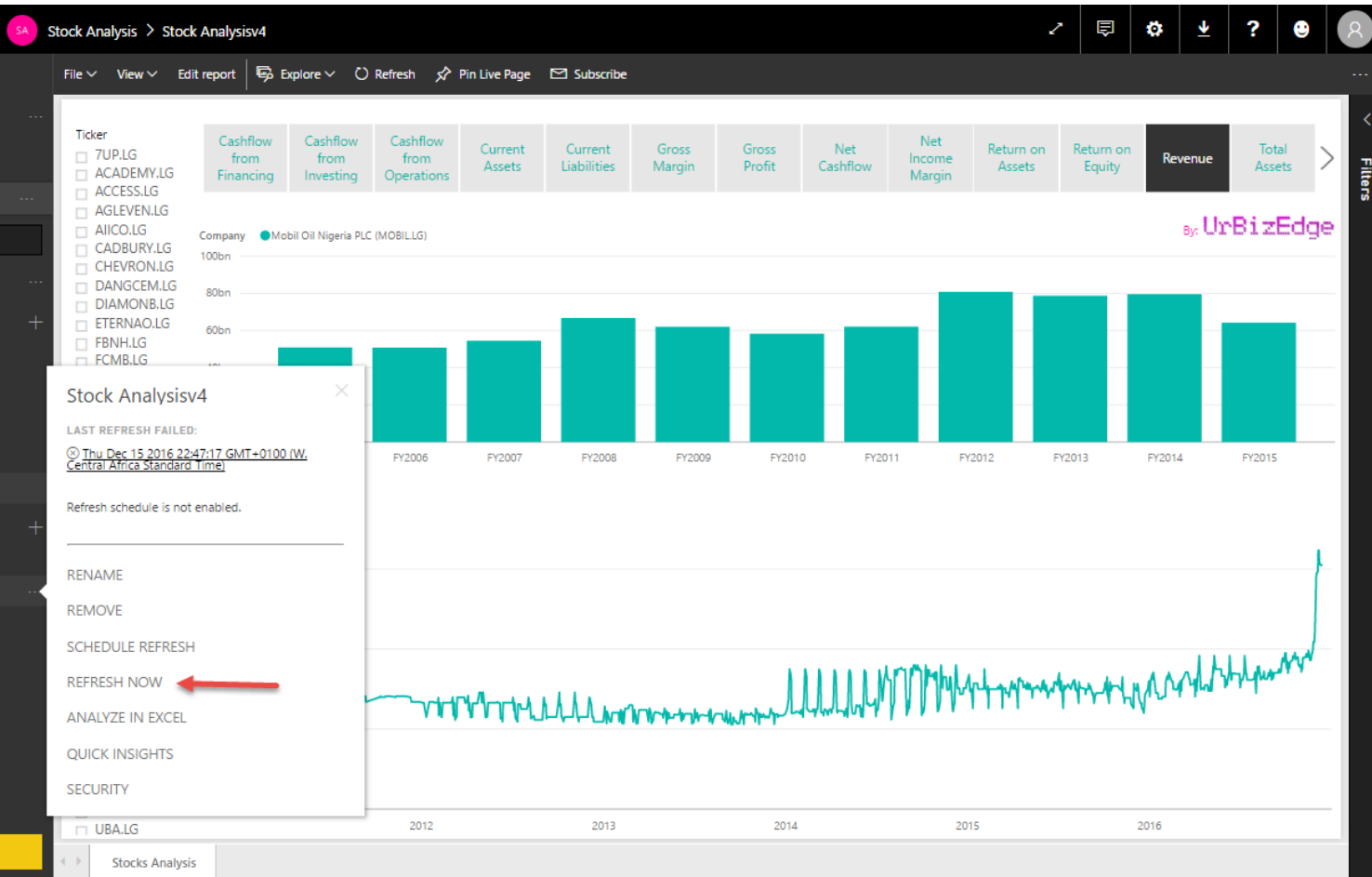
Bcc:

Subject: Re: Sales Report

John:

I am sick of your fragmented reports, I have 5 sales reports from you in one day and all titled as updated. WHICH IS THE VALID ONE TO USE?

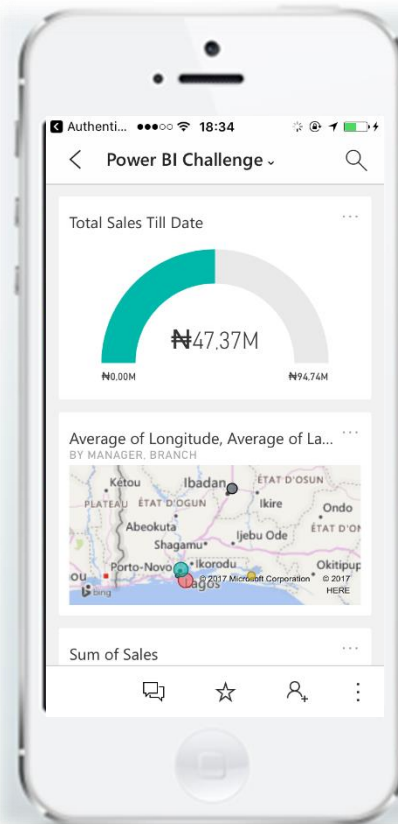
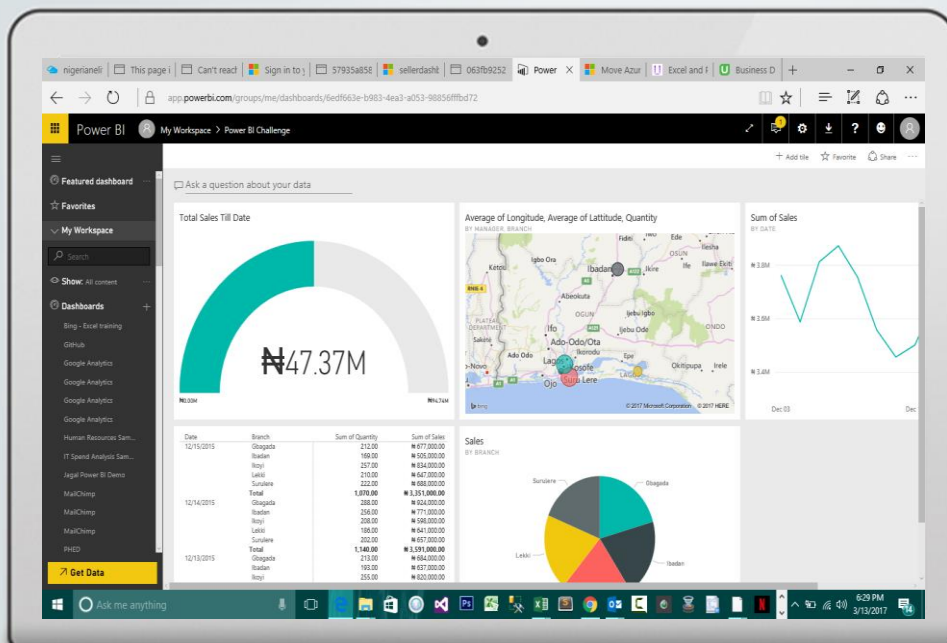
Daily Reports: Build Once; Automate.



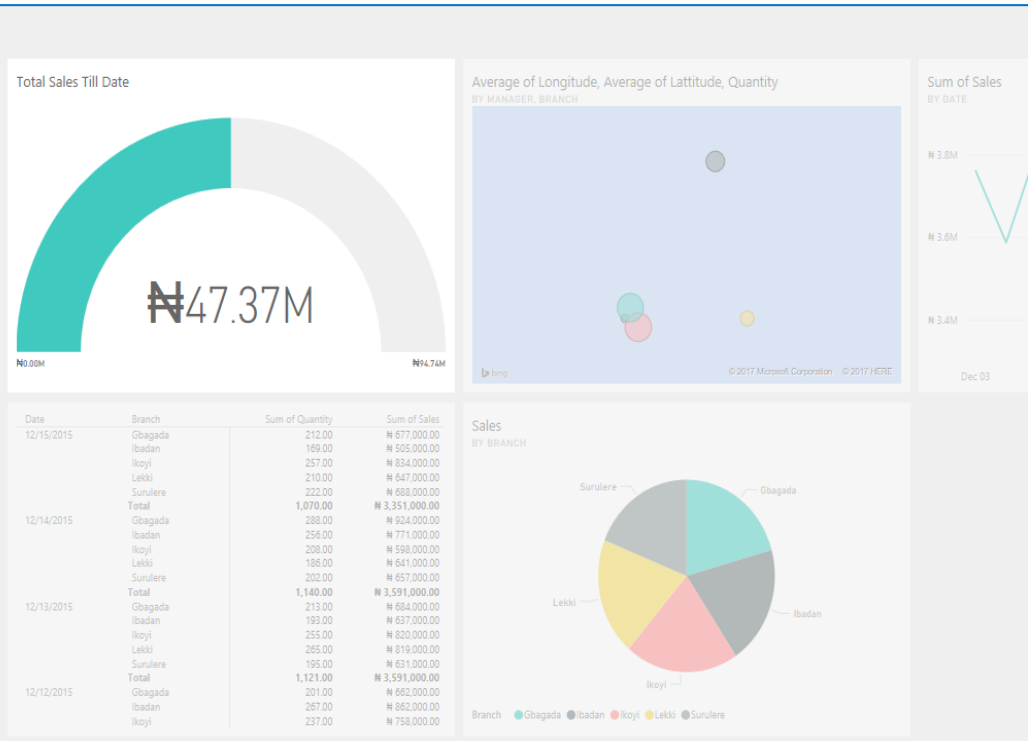
Update is automatic.

You always have the most recent report, no need of even requesting for it.

Access Your Reports On Any Of Your Devices



Set Email and Phone Notifications For KPIs



TOTAL SALES TILL DATE

Manage alerts

[+ Add alert rule](#)

Alert for Total Sales Till Date

Active On

Alert title: Alert for Total Sales Till Date

Set alerts rule for: Total Sales

Condition: Above Threshold: 0

Maximum notification frequency: At most every 24 hours

Alerts are only sent if your data changes.

By default, you'll receive notifications on the service in the notification center.

Send me email, too

[Use Microsoft Flow to trigger additional actions](#)

[Save and close](#) [Cancel](#)

MTN - NG 18:41

Règle d'alerte

TITRE DE L'ALERTE

Alerte pour Total Sales Till Date

Condition : Au-dessus

Seuil : ₦0.0

FRÉQUENCE DE NOTIFICATION MAXIMALE

Au plus toutes les 24 heures

Au plus toutes les heures

Les alertes sont envoyées uniquement quand les données changent

E-mail de notification

Export Reports To PowerPoint Presentation

The screenshot shows the Power BI web interface. The top navigation bar includes the URL app.powerbi.com/groups/me/reports/654dd206-b52d-43bc-86dc-8c5d7124fdf/ReportSection. The main header displays 'Power BI' and 'My Workspace > December Training'. The left sidebar lists various reports, with 'December Training' selected. The main content area shows a report with a horizontal bar chart at the top and a line chart below. The horizontal bar chart has categories: Cashflow from Investing, Cashflow from Operatio..., Current Assets, Current Liabilities, Gross Margin, Gross Profit, Net Cashflow, Net Income, Net Income Margin, and Return on Assets. The line chart is titled 'Company' and shows data for 'Dangote Cement Plc (DANGCEMLG)' from 2012 to 2016. A 'Filters' sidebar is visible on the right. A 'File' menu is open, showing options: Save as, Print, Publish to web, Export to PowerPoint (Preview), and Download report (Preview). A red arrow points to the 'Export to PowerPoint (Preview)' option, which has a tooltip that reads 'Export this report as a PowerPoint presentation'.

File View Edit report Explore Refresh Pin Live Page Subscribe

- Save as
Save a copy of this report
- Print
Print current page
- Publish to web
Embed this report
- Export to PowerPoint (Preview)
Export this report as a PowerPoint presentation
- Download report (Preview)
Download a .pbix copy

Export this report as a PowerPoint presentation

UrBizEdge

Cashflow from Investing Cashflow from Operatio... Current Assets Current Liabilities Gross Margin Gross Profit Net Cashflow Net Income Net Income Margin Return on Assets

50K 0K

FY2005 FY2006 FY2007 FY2008 FY2009 FY2010 FY2011 FY2012 FY2013 FY2014 FY2015

Company Dangote Cement Plc (DANGCEMLG)

250 200 150 100 50

2012 2013 2014 2015 2016

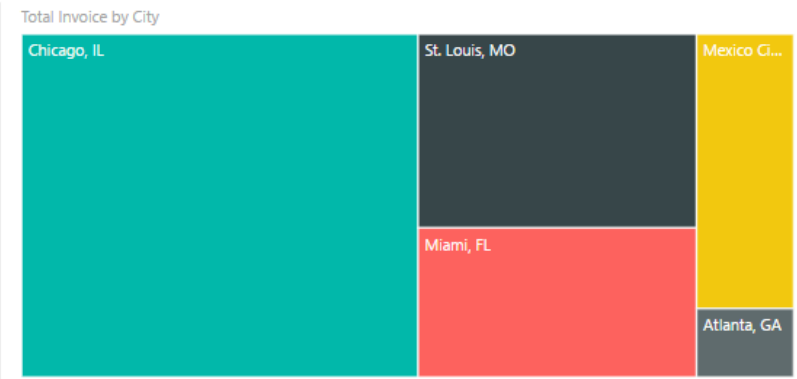
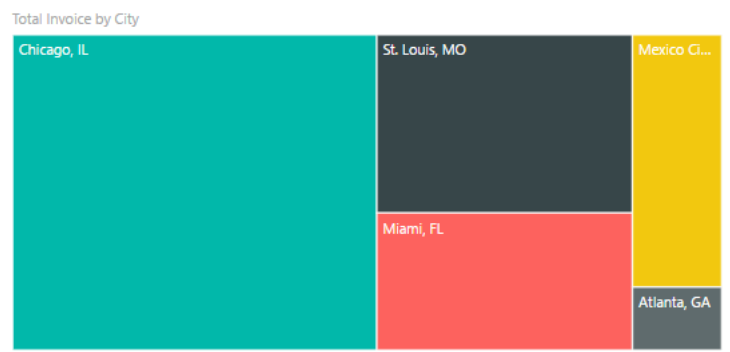
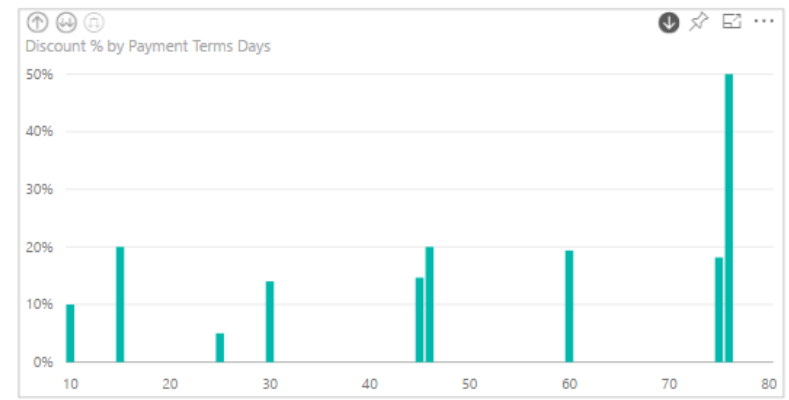
QuickBooks Online
Retail Analysis Sample
Retail Analysis Sample...
Sample
Stocks Dashboard
Windows Dev Center

Reports

- Customer Profitability...
- December Training
- Demo
- Financial KPIs
- gdgdg
- Google Analytics
- Google Analytics
- Google Analytics
- Human Resources Sam...
- IT Spend Analysis Sam...
- MailChimp
- MailChimp
- MailChimp

https://app.powerbi.com/ Page 1

Drill-Down Capabilities



Control Access: Product/Regional Managers

Level Security
Now viewing as: Ikoyi

SELECT PERSON

OR SELECT ROLE

- Gbagada (1)
- Ibadan (1)
- Ikoyi (1)
- Lekki (1)
- Surulere (0)

Apply

DOMINO'S PIZZA SALES REPORT

Ikoyi

Sales Amount

Sales Amount by Pizza Sold

Pepperoni ...	₦ 0.69M
Hot Veggie	₦ 0.58M
BBQ Philly ...	₦ 0.55M
Pepperoni ...	₦ 0.51M
Italiano	₦ 0.49M
Beef Suya	₦ 0.48M
Chicken Su...	₦ 0.48M
Hot Pepper...	₦ 0.47M
BBQ Chicken	₦ 0.44M
Veggie Sup...	₦ 0.43M
Margarita	₦ 0.36M
Chicken Le...	₦ 0.25M
Chicken Bali	₦ 0.23M
Chicken Es...	₦ 0.22M

Sales Amount, Maximum and Sum o.

₦ 0M ₦ 7M ₦ 9M

2097
Quantity

16
Pizza Distinct Count

Quantity and First Manager by Branch

Sales Amount by Branch ...

Bra... ● Ikoyi

Amount	%GT Sales Amount
44,000	6.71%
48,000	8.28%
80,000	7.25%
26,000	3.41%
26,000	3.41%
46,000	3.72%
80,000	7.25%
10,000	3.17%
72,000	7.13%
76,000	8.70%
92,000	7.43%
64,000	5.50%

Row-Level Security

- Gbagada (1)
- Ibadan (1)
- Ikoyi (1)
- Lekki (1)
- Surulere (0)

Members (1)

People or groups who belong to this role

Add

Hannah Akinlabi

Daily and Weekly Reports Automated Completely

workspace > NMD Marketing Analysis Decks

File View Edit report Explore Refresh Pin a live Page Reset to default Comments Bookmarks

Daily Nigerian Financial Markets Analysis for Sunday, 20 October 2019

Top 10 Price Gainers

Company	Price	Price Change
A.G.LEVENTIS(NIGERIA) PLC	₦ 0.26	0.00%
ABBAY BUILDING SOCIETY PLC	₦ 1.00	0.00%
ACADEMY PRESS PLC	₦ 0.35	0.00%
ACCESS BANK OF NIGERIA PLC	₦ 7.35	0.00%
AFRICA PRUDENTIAL REGISTRARS PLC	₦ 4.00	0.00%
AIIICO INSURANCE PLC	₦ 0.66	0.00%
AIRTEL AFRICA PLC	₦ 308.00	0.00%
ASSOCIATED BUS COMPANY PLC	₦ 0.44	0.00%
AT & T GLOBAL INFORMATION SOLUTIONS PLC	₦ 4.50	0.00%
AXAMansard Insurance Plc	₦ 1.70	0.00%
BERGER PAINTS NIGERIA PLC	₦ 7.50	0.00%

Bottom 10 Price Losers

Company	Price	Price Change
A.G.LEVENTIS(NIGERIA) PLC	₦ 0.26	0.00%
ABBAY BUILDING SOCIETY PLC	₦ 1.00	0.00%
ACADEMY PRESS PLC	₦ 0.35	0.00%
ACCESS BANK OF NIGERIA PLC	₦ 7.35	0.00%
AFRICA PRUDENTIAL REGISTRARS PLC	₦ 4.00	0.00%
AIIICO INSURANCE PLC	₦ 0.66	0.00%
AIRTEL AFRICA PLC	₦ 308.00	0.00%
ASSOCIATED BUS COMPANY PLC	₦ 0.44	0.00%
AT & T GLOBAL INFORMATION SOLUTIONS PLC	₦ 4.50	0.00%
AXAMansard Insurance Plc	₦ 1.70	0.00%
BERGER PAINTS NIGERIA PLC	₦ 7.50	0.00%

LAST REPORTED FIGURES

₦ 357	23.10%	₦ 2.01T	₦ 11.12T	₦ 27.66T	(\$3.3)
USDBUY	Unemployment Rate	M0 Money Supply	M1 Money Supply	M2 Money Supply	Capital F
₦ 360	13.50%	11.24%	₦ 1.04T	₦ 1.45T	\$27.
USDSELL	Interest Rate	Inflation Rate	Monthly Imports	Monthly Exports	Extern
₦ 446	14.20%	22.50%	\$42.12bn	\$0.47	-19
GBPBUY	10yr Bond Yield	Cash Reserve Ratio	FX Reserve	Petrol/litre	NSEASI
₦ 456	1.87M	21.46	\$909.54M	1.94%	\$397
GBPSELL	Daily Oil Prod. (BBLs)	Gold Reserve (tonnes)	FDI	GDP Growth Rate	

For training on Power BI reach out to us on 01-6311885, 0700ANALYTICS or email team@urbizedge.com

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Michael Olafusi × Enter email addresses

Subject

Nigeria Financial Markets & Economic Data Analysis

Include an optional message...

Report page

Analysis

Frequency

Daily

Sun Mon Tue Wed Thu Fri Sat

Scheduled Time

4 15 AM (UTC) Coordinated Universal Time

Start date 6/22/2019 End date 6/22/2050

[Manage all subscriptions](#)

Save and close Cancel

Schedule reports to automatically send out as attachment to management staff and other decision makers.

AI To Generate Insights On a Button Click

Power BI My Workspace > Procurement Analysis Sample

File View Edit report Explore Refresh Pin Live Page

Discount Analysis

Procurement Analysis Sample

LAST REFRESH SUCCEEDED:
Wed Jul 20 2016 14:30:04 GMT+0100 (W. Central Africa Standard Time)

Refresh schedule is not enabled.

- RENAME
- REMOVE
- SCHEDULE REFRESH
- REFRESH NOW
- ANALYZE IN EXCEL
- QUICK INSIGHTS

\$0.2M January February March April May June July August September October

Get Data

Spend Overview Discount Analysis

Power BI My Workspace > Procurement Analysis Sample > Q&A

Exit Q&A

total invoice by tier

Total Invoice by Tier

Tier	Total Invoice
1	\$1500M
2	\$500M
3	\$250M
4	\$100M
5	\$50M
6	\$25M
7	\$10M
8	\$5M
9	\$2.5M
10	\$1.25M

Showing tier and total invoice
Source: Procurement Analysis Sample

Get Data

Doing More With Your Data

PAST: What Happened?

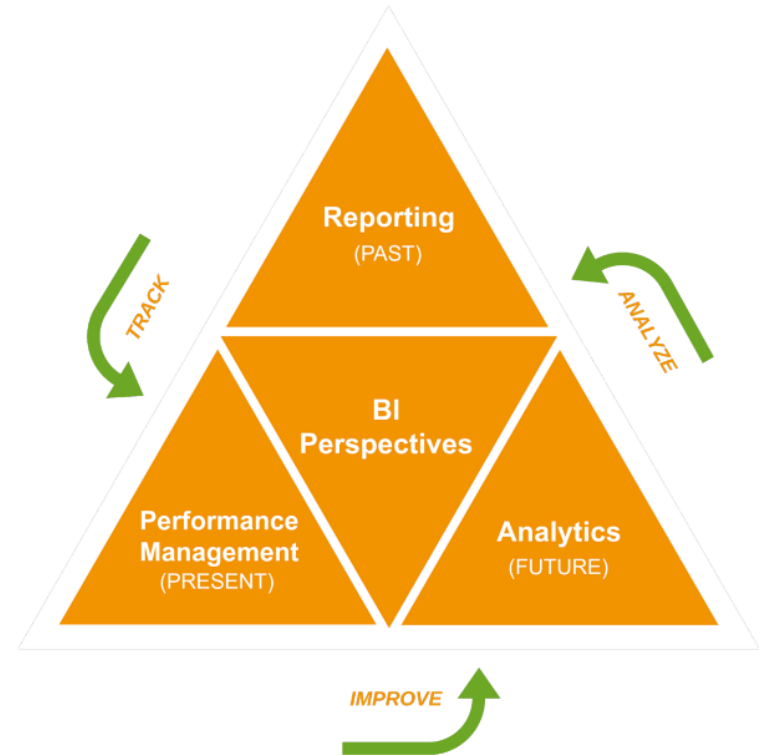
- Reactive reporting
- Common among most companies

PRESENT: What is Happening?

- KPI's and ROI Concepts
- Streaming analytics

FUTURE: What will Happen?

- Predict based on trends and external data
- Understand impact and what-if analysis



INFOCEPTS

CUSTOMER SEGMENTATION DETAIL DASHBOARD

As of Date: December, 2016 Year 2014 2015 2016 Clear All Filter

\$115M
Total Sales

\$43M
Total Profits

\$116M
Sales LY

-0.7 %
% Growth to...

33
Top Client's

CUSTOMER SALES GROUP ANALYSIS

6
Bottom Client's

4,004
Top Region

1,188
Mid Region

767
Lower Region

REGION-WISE TRANSACTIONS

REGION-WISE AVERAGE SALES ANALYSIS BY MONTH

Region Group

- Select all
- Lower Regions
- Mid Regions
- Top Regions

PRODUCT-WISE SALES ANALYSIS

CUSTOMER SPECIFIC GROWTH & PROFIT STATISTIC

Customer Names	Transactions	Total Profits	% Growth to LY	Profit Margin
OHTA'S Corp	130	\$1.00M	-4.8 %	39 %
Apollo Ltd	132	\$1.03M	-5.7 %	39 %
Linde	113	\$0.97M	1.0 %	39 %
Weimei Corp	123	\$1.02M	11.6 %	39 %
Eminence Corp	151	\$1.13M	15.7 %	38 %
Pure Group	118	\$0.91M	-17.3 %	37 %
OUR Ltd	136	\$1.06M	2.7 %	37 %

PRODUCT GROUPS PROFIT STORY

CHANNEL SPECIFIC SALES & PROFIT

Executive Insights

How are we performing?

1 Select a measure.

- Total Profit
- Total Quantity
- Total Revenue

2 Select a perspective.

Product Category:

Order Type:

Year:

Visual is not supported ...

\$847M

Total Profit

Visual is not supported ...

22 %

Profit Margin

Visual is not supported a...

866

Average Order Quantity

Visual is not supported...

21M

Total Quantity

Visual is not supported ...

\$4bn

Total Revenue

How is our Total Revenue distributed geographically?

Country	Revenue (bn)
USA	0.67bn
Japan	0.29bn
China	0.26bn
Canada	0.25bn
France	0.23bn
United Kingdom	0.23bn
Germany	0.21bn
South Korea	0.16bn
Malaysia	0.16bn
Finland	0.15bn
Italy	0.15bn
Netherlands	0.15bn
Mexico	0.14bn
Spain	0.13bn
Austria	0.12bn
Brazil	0.11bn
Belgium	0.09bn
Australia	0.09bn
Switzerland	0.08bn
Sweden	0.08bn
Denmark	0.05bn

AVG

What is our YoY% change in Total Revenue?

Year	YoY% Change
2015	27%
2016	29%
2017	-25%

How close are we to our planned Total Revenue...

91%

Measure Type Planned

What is my Running Total by Total Revenue?

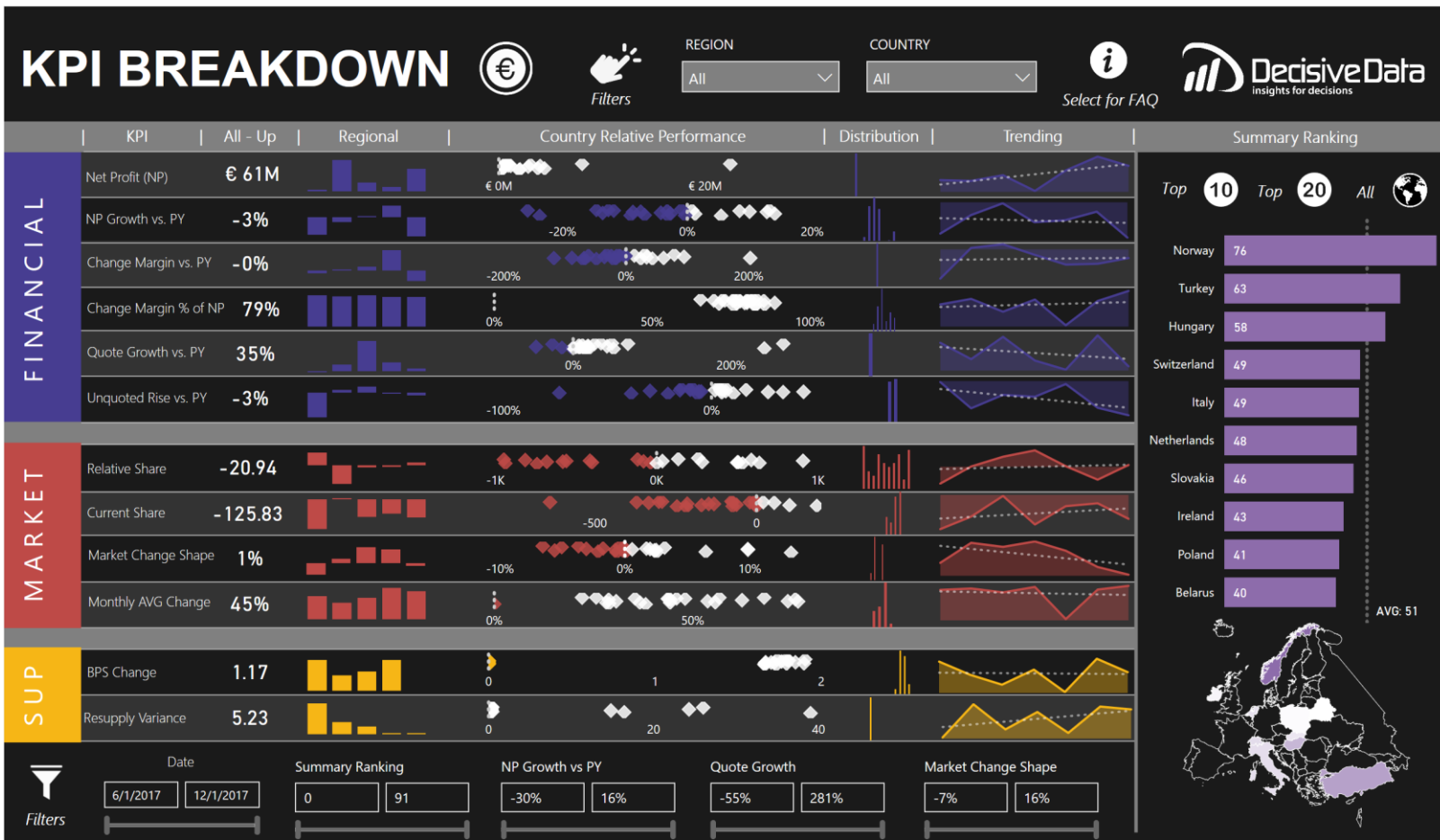
Measure Type Running Total

What are my Top 5 products by Total Revenue?

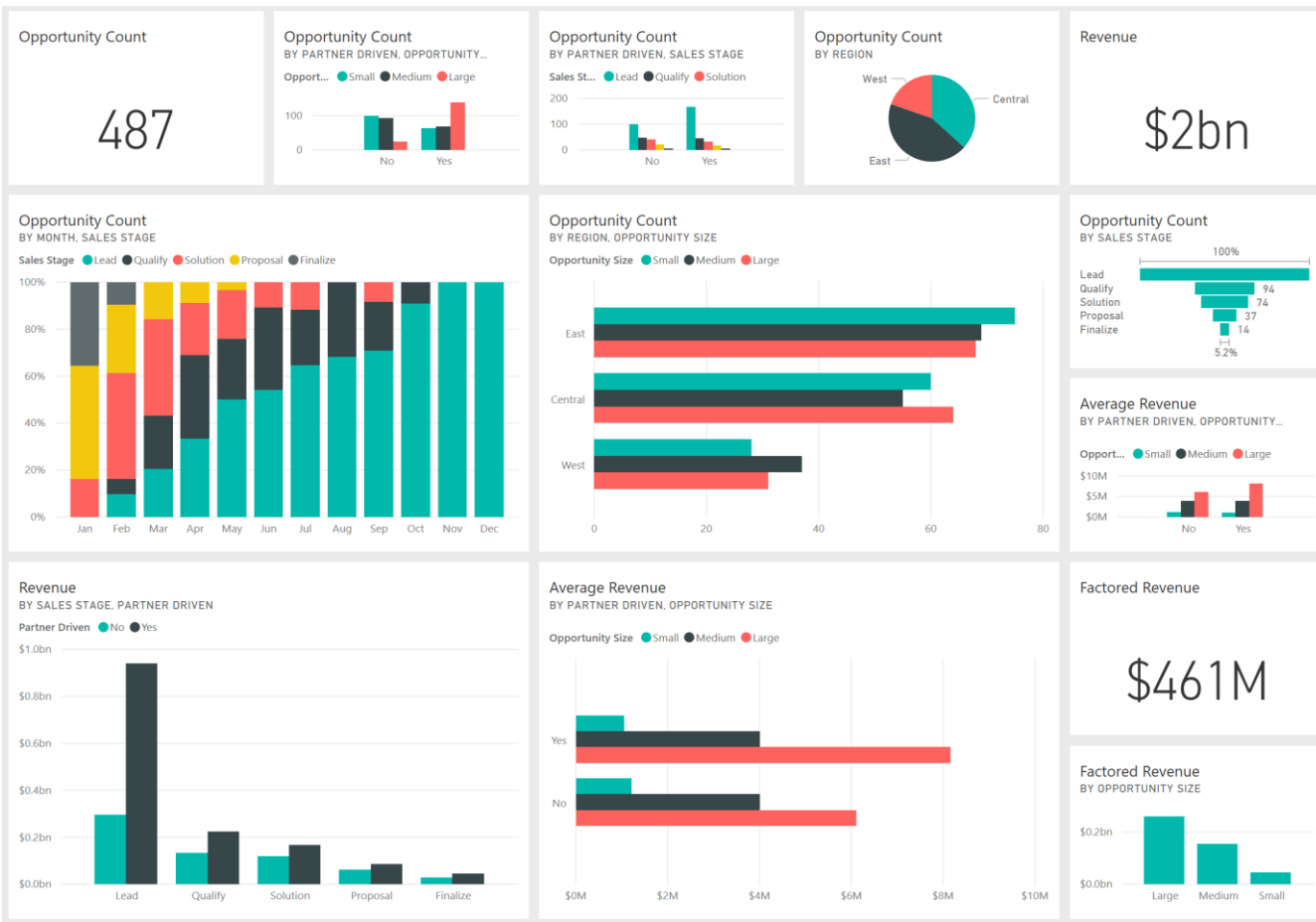
Product	Revenue (bn)
Zeus Pi	0.14bn
Achilles Zeta	0.13bn
Zeus Nu	0.12bn
Freya Alpha	0.10bn
Perseus Kappa	0.09bn

Top 5

Sample Dashboards – Company-wide KPI



Sample Dashboards – Opportunity Analysis



Sample Dashboards – Procurement Analysis



Engage Us Today

Register for Training

We have a Microsoft Data Platform MVP and have held training for people from Vodacom, Shell, Chevron, GSK, Air France, Airtel, IBM, SABMiller, Nestle & Lafarge.



Custom Programs

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THANK YOU!

