Power BI Project Portfolio

Sanjay Chandra

For reference & motivation

Finance

Select all | AUTO | BANK | FMCG | RETAIL | TECH

AUTO
35,594
Transactions
7.27%
% of Sector Good Inv

BANK
31,650
Transactions
6.70%
% of Sector Good Inv

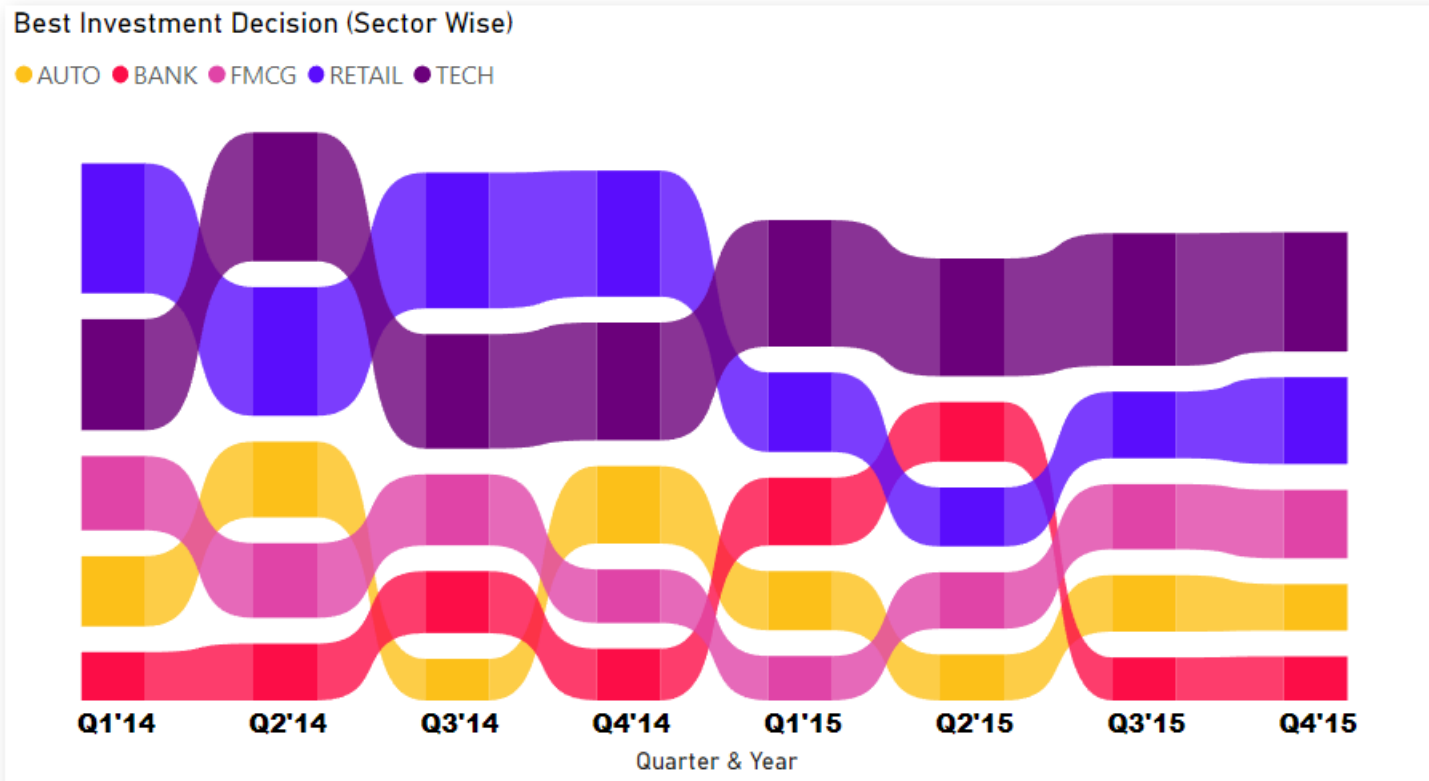
FMCG
21,335
Transactions
7.85%
% of Sector Good Inv

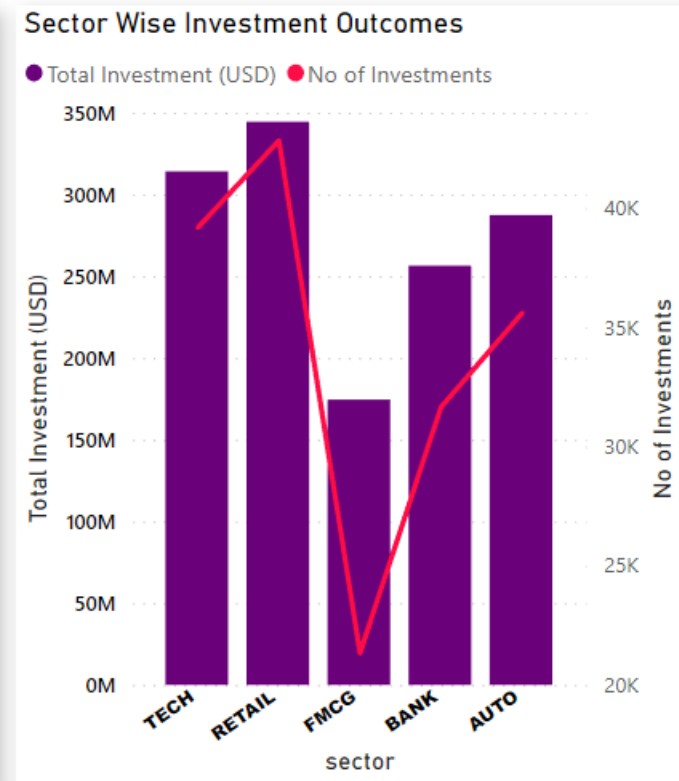
RETAIL
42,831
Transactions
12.43%
% of Sector Good Inv

TECH
39,183
Transactions
15.01%
% of Sector Good Inv

10/10/2013 1/1/2017

Total Tx	Average Return	% Good Inv	Longest Horizon	Least Horizon	BI Analyst
171K	7.45%	49.25%	720 Days	1 Days	Sanjay





Select all | Beverages | Condiments | Confections | Dairy Products | Grains/Cereals | Meat/Poultry | Produce | Seafood

7/4/1996 9/17/1997

Revenue Target for the Month
$55.63K
Goal: 49.65K (+12.04%)

Orders Target for the Month
95
Goal: 88 (+7.71%)

Avg Revenue per Order for the Month
$585.57
Goal: $562.95 (+4.02%)

% of Orders Delayed for the Month
1.05%
Goal: 1.00% (+5.26%)

CategoryName
Beverages

ProductName

Revenue
$643,487.71

Beverages
$128,740.75

Dairy Products
$120,661.76

Confections
$90,682.60

Meat/Poultry
$81,788.97

Seafood
$65,674.85

Condiments
$57,094.19

Grains/Cereals
$52,319.04

Chartreuse verte
$5,609.34

Outback Lager
$4,593.90

Chai
$4,364.10

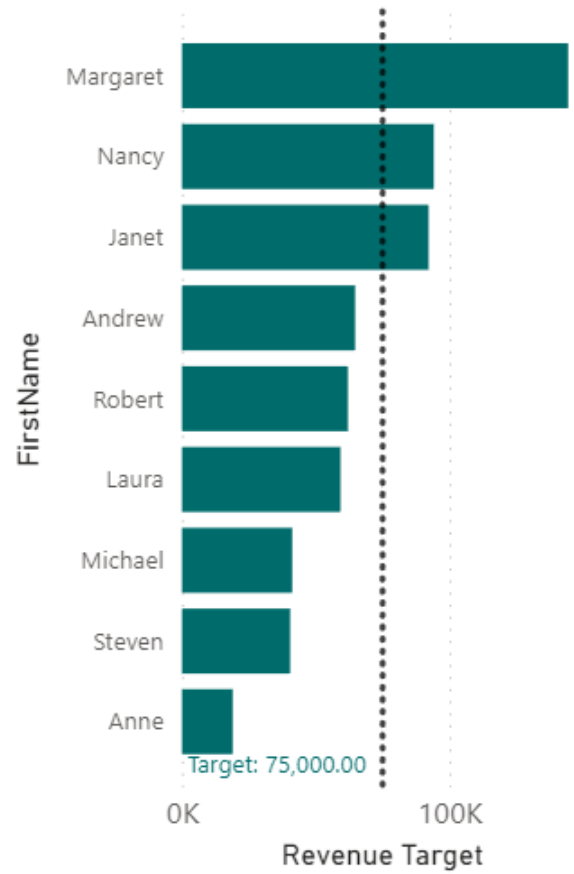
Rhönbräu Klosterbier
$3,928.16

Sasquatch Ale
$2,219.00

Guaraná Fantástica
$1,772.86

Laughing Lumberjac...
$910.00

Overall Sales (by Employee)



Ask a question

Original Sales and Revenue diverged the most when the CategoryName was Beverages, when Original Sales were 10,810.20 higher than Revenue.

Original Sales and total Revenue are positively correlated with each other.

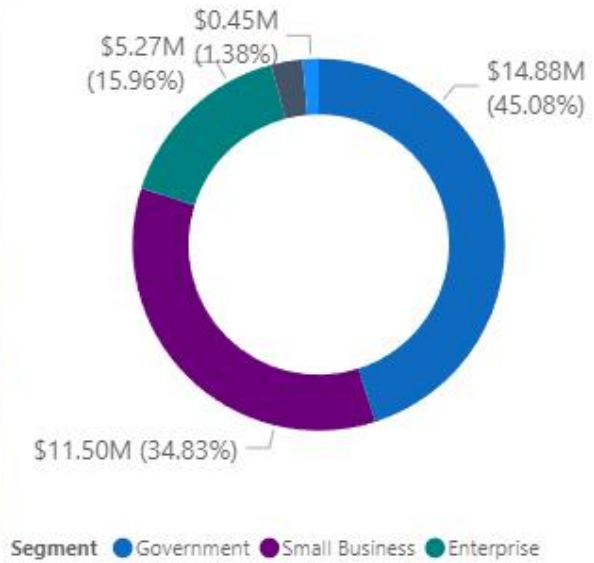
All

Country

Paseo

8/1/2013 12/31/2014

Net Revenue (Segment)



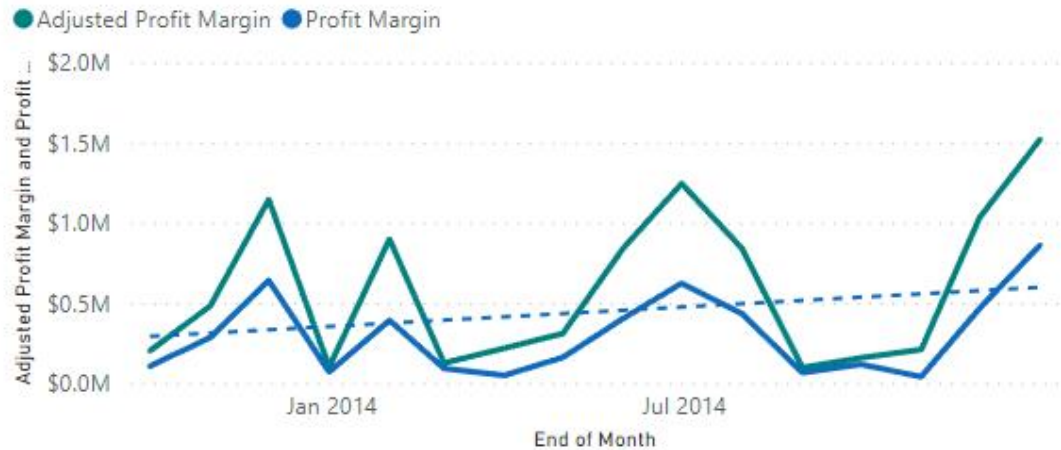
Price Adjustment

14.00%

$97.60 Current ARPU	$4.80M Current Profit Margin
$111.26 Adjusted ARPU	$9.42M Adjusted Profit Margin
14.00% % Change in ARPU	96.33% % Change in Profit Mar...

Cumulative Actual Vs Adjusted Profit Margin

Actual Vs Adjusted Profit Margin



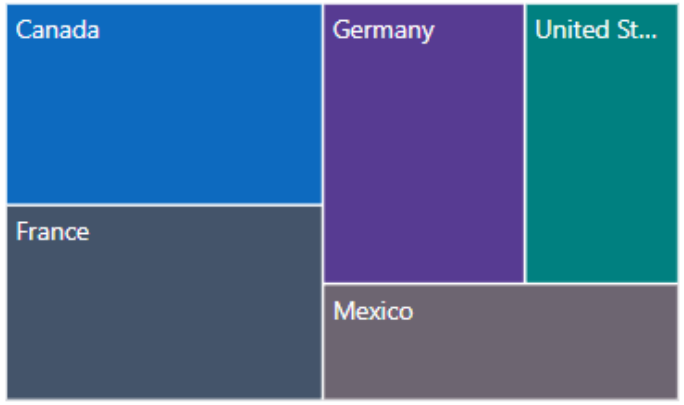
Quarter Ending
31-12-14

Select all | Amarilla | Carretera | Montana | Paseo | Velo | VTT

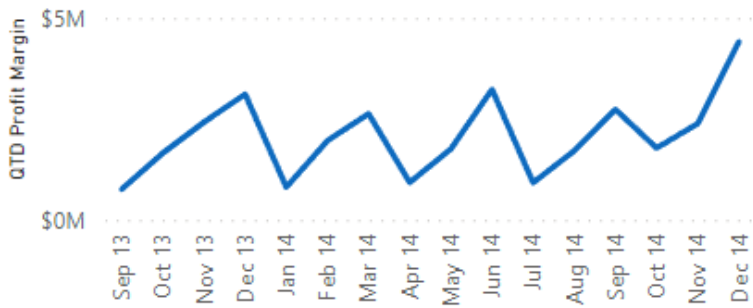
8/1/2013 — 12/31/2014

QTD Revenue	QTD Net Revenue	QTD COGS	QTD Profit Margin %	QTD ARPU
$31.77M ✓	$29.76M ✓	25.35M !	14.83% ✓	$112.95 !
Goal: $23.10M (+37.5%)	Goal: $21.38M (+39.16%)	Goal: $17.10M (-48.23%)	Goal: 13.98% (+6.04%)	Goal: $114.15 (-1.05%)

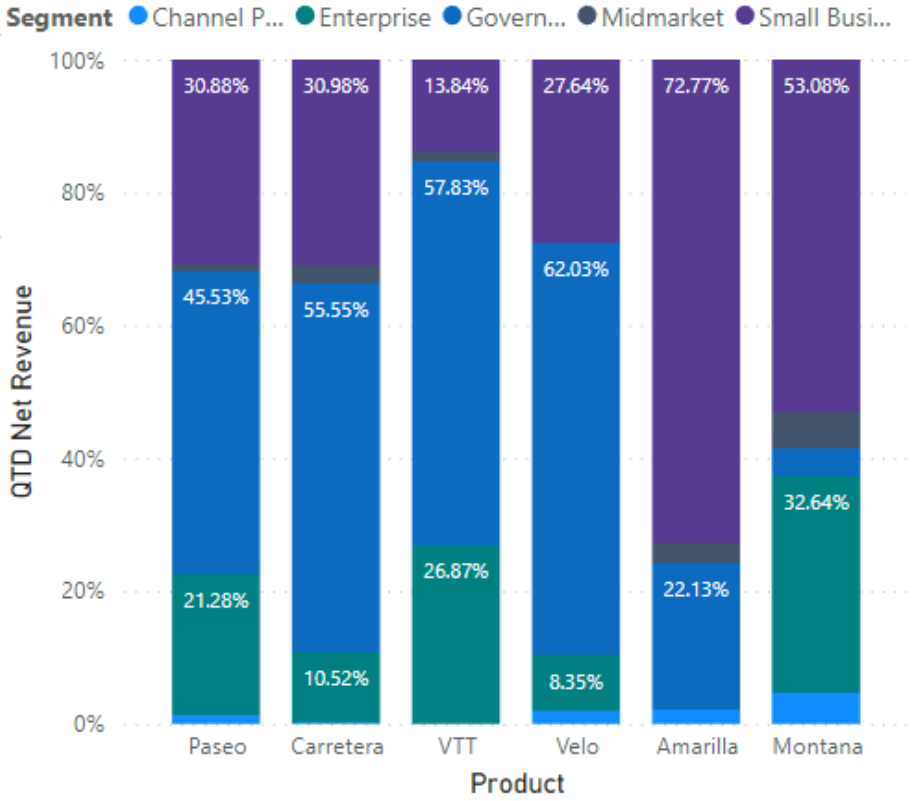
QTD Net Revenue by Country



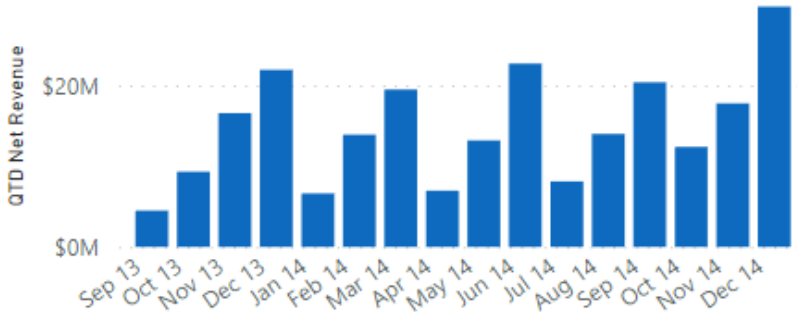
QTD Net Profit (Product)



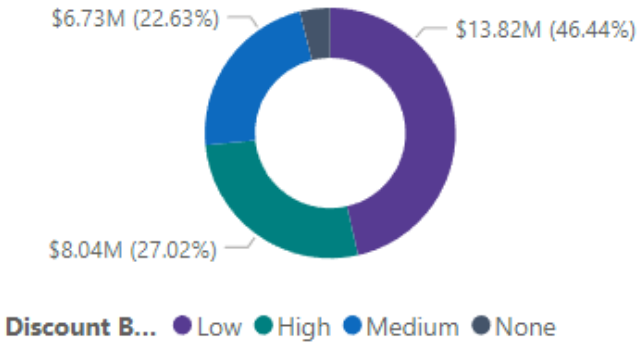
Product by Segment



QTD Net Revenue (Product)



Discount Band (QTD Net Revenue)



YTD Year Ending

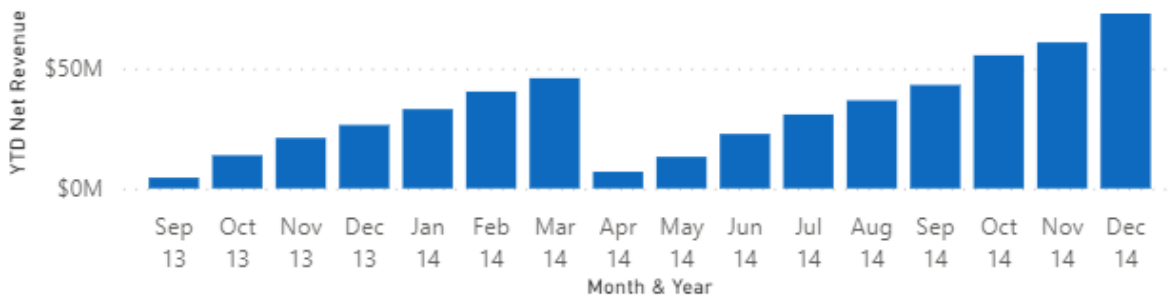
31-03-15

Select all | Amarilla | Carretera | Montana | Paseo | Velo | VTT

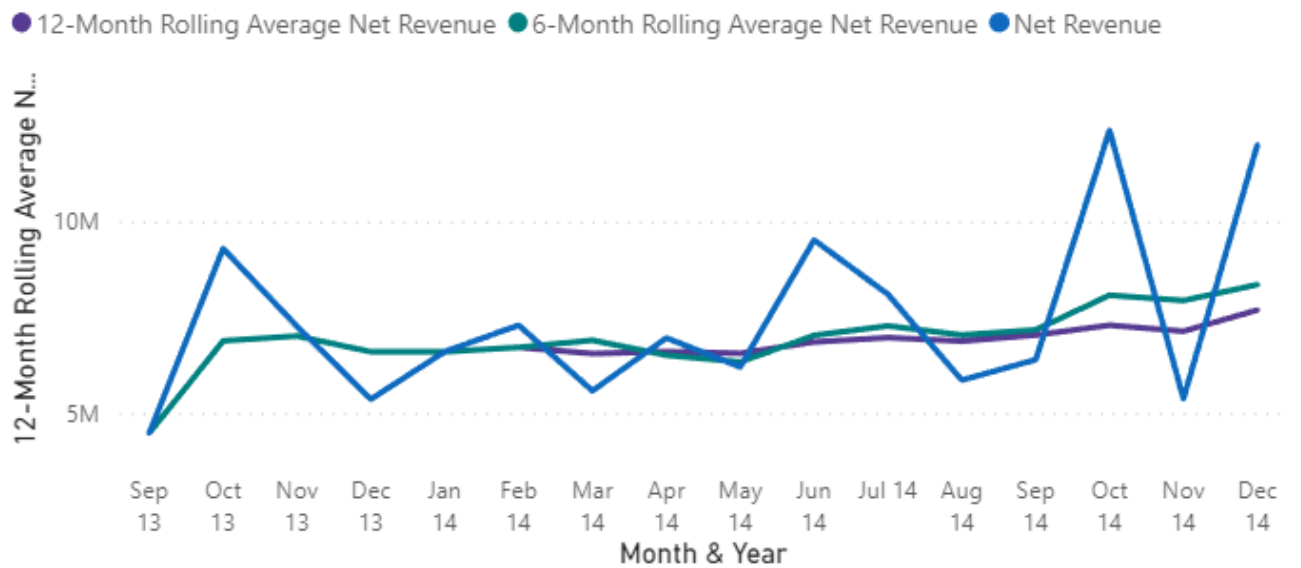
4/1/2013 — 12/31/2014

YTD Revenue	YTD Net Revenue	YTD COGS	YTD Profit Margin %	YTD ARPU
$78.24M	$72.82M	62.44M	14.26%	$106.34

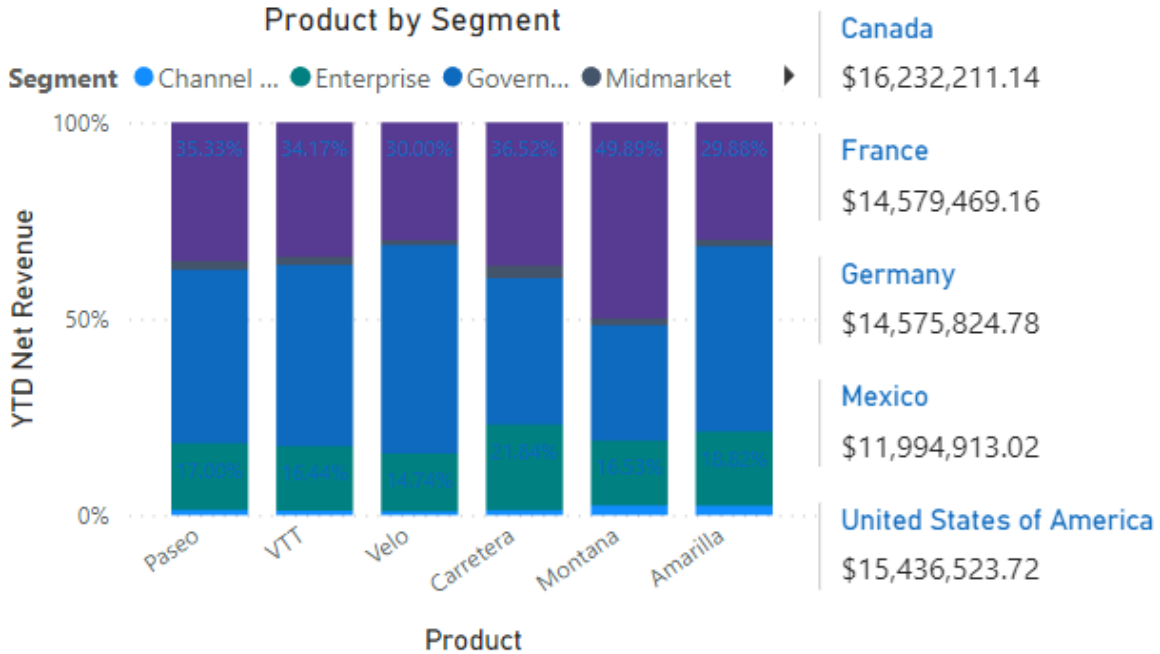
YTD Net Revenue by Month & Year



Rolling Averages of Net Revenue

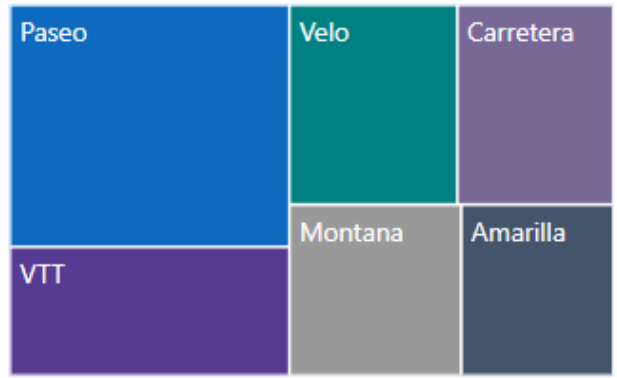


Product by Segment

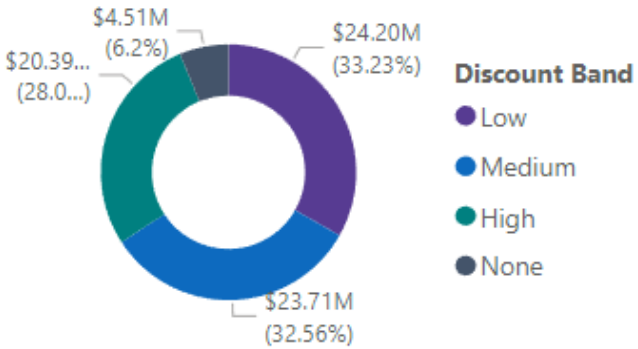


Canada	$16,232,211.14
France	$14,579,469.16
Germany	$14,575,824.78
Mexico	$11,994,913.02
United States of America	$15,436,523.72

Products



Discount Band (Net Revenue)



Election Results

Sixteenth Tamil Nadu Legislative Assembly Election Results (2021)

Election Schedule

Date for Nominations	12 March 2021
Last Date for filing Nominations	19 March 2021
Date for scrutiny of nominations	20 March 2021
Last date for withdrawal of candidatures	22 March 2021
Date of poll	6 April 2021
Date of counting	2 May 2021
Election completion last date	24 May 2021

The Legislative Assembly

- The Tamil Nadu Legislative Assembly is a unicameral legislature
- Total 234 elected seats
- Require to win 118 seats for a majority

Previous Election (2016)

- AIADMK won the assembly elections with 136 seats
- DMK became the main opposition party with 89 seats
- INC (alliance with DMK) won 8 seats
- Election to two assembly constituencies were cancelled by the Election Commission of India (ECI) on confirmed reports of bribing voters in Aravakurichi and Thanjavur.
- Elections were held for these seats later there on 26 October 2016

DMK

133 Seats

AIADMK

66 Seats

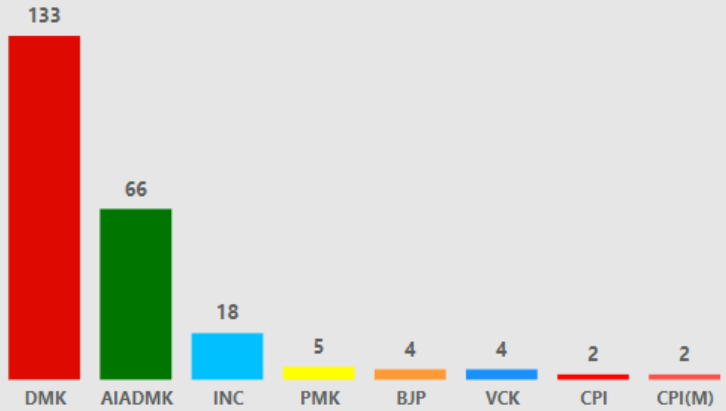
Constituency

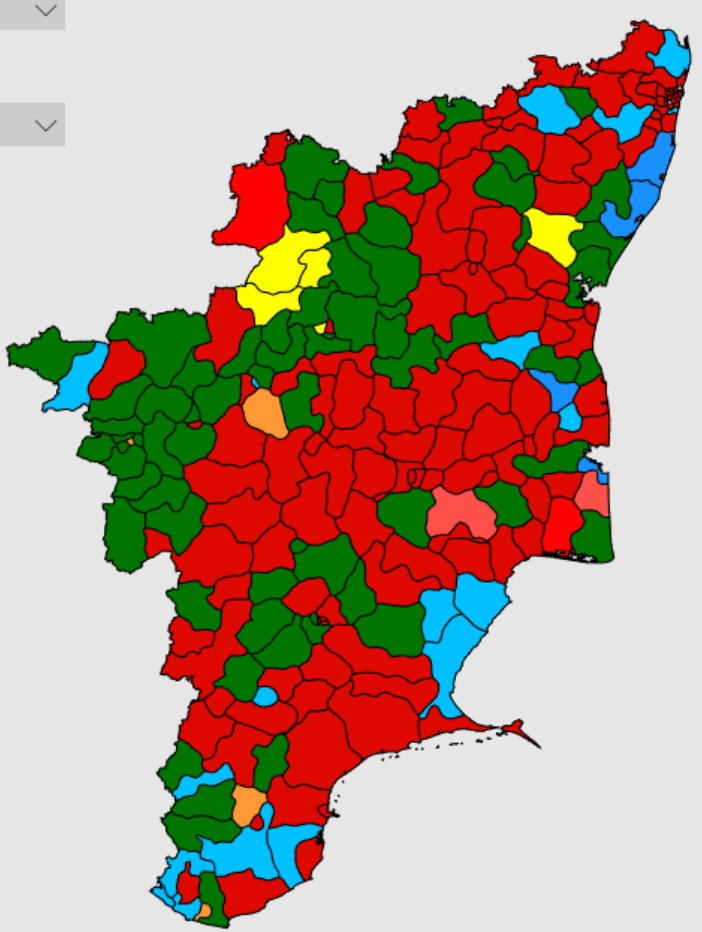
All

Winning Candidate

All

Seats Won (by Party & Alliance)





AIADMK BJP CPI CPI(M) DMK INC PMK VCK

Data Source - Wikipedia & Map File Source - Publikationen an der Universität Bielefeld
Visualized by Sanjay Chandra, Business Intelligence Analyst

Uttar Pradesh Legislative Assembly Election Results 2022

Agra Cantonment - G S Dharmesh (BJP)

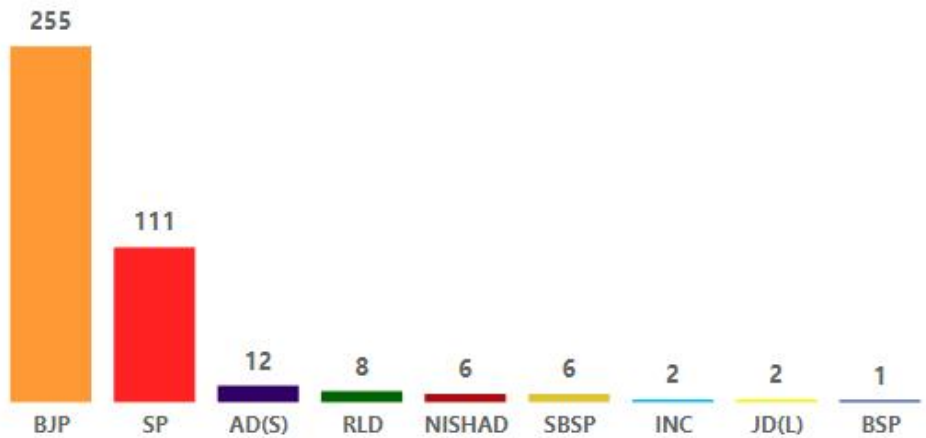
BJP

255

SP

111

Seats Won (by Party & Alliance)



Year

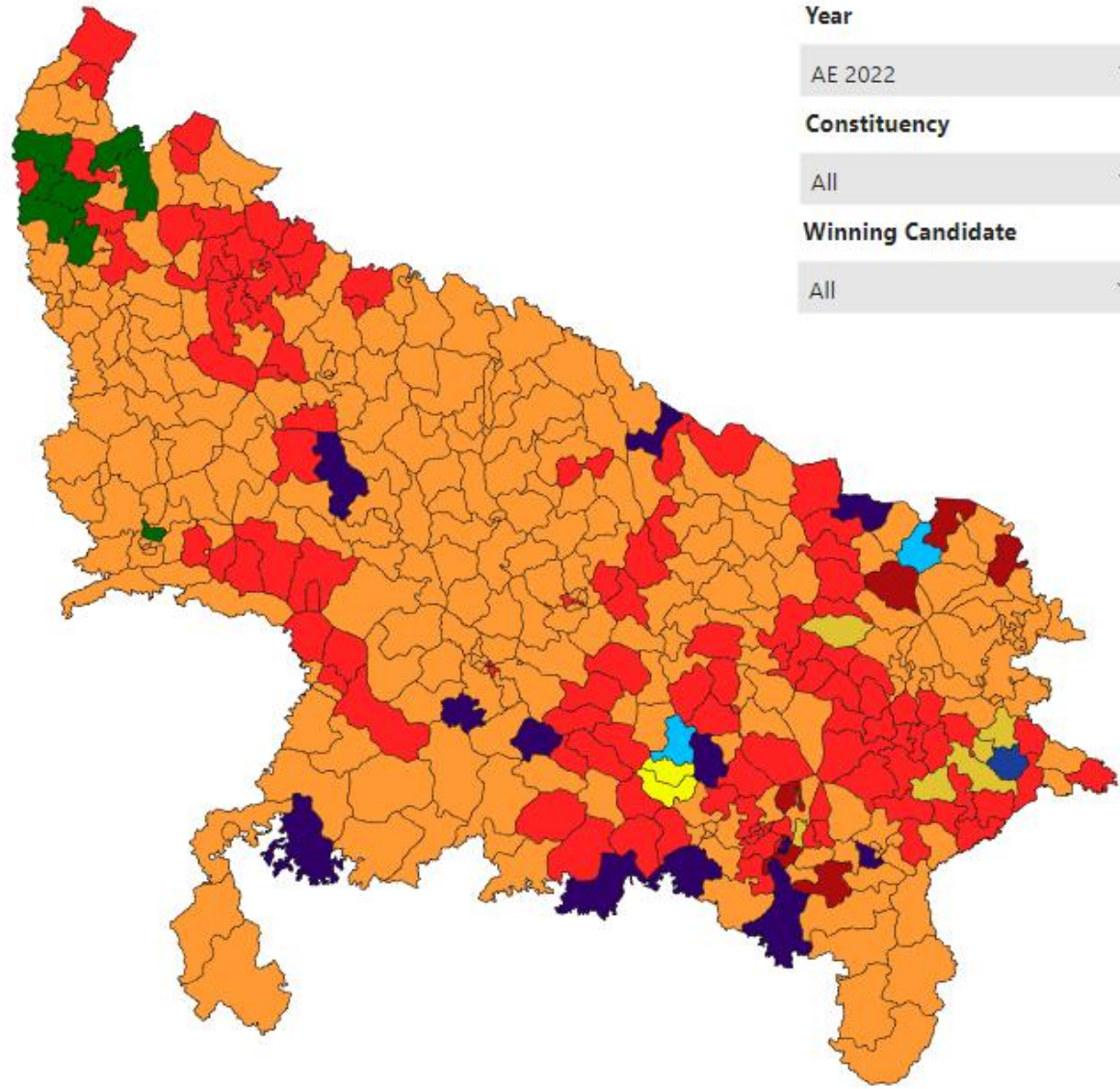
AE 2022

Constituency

All

Winning Candidate

All



AD(S) BJP BSP INC JD(L) NISHAD RLD SBSP SP

Data Source - Wikipedia & Map File Source - Publikationen an der Universität Bielefeld

Visualized by Sanjay Chandra, Business Intelligence Analyst

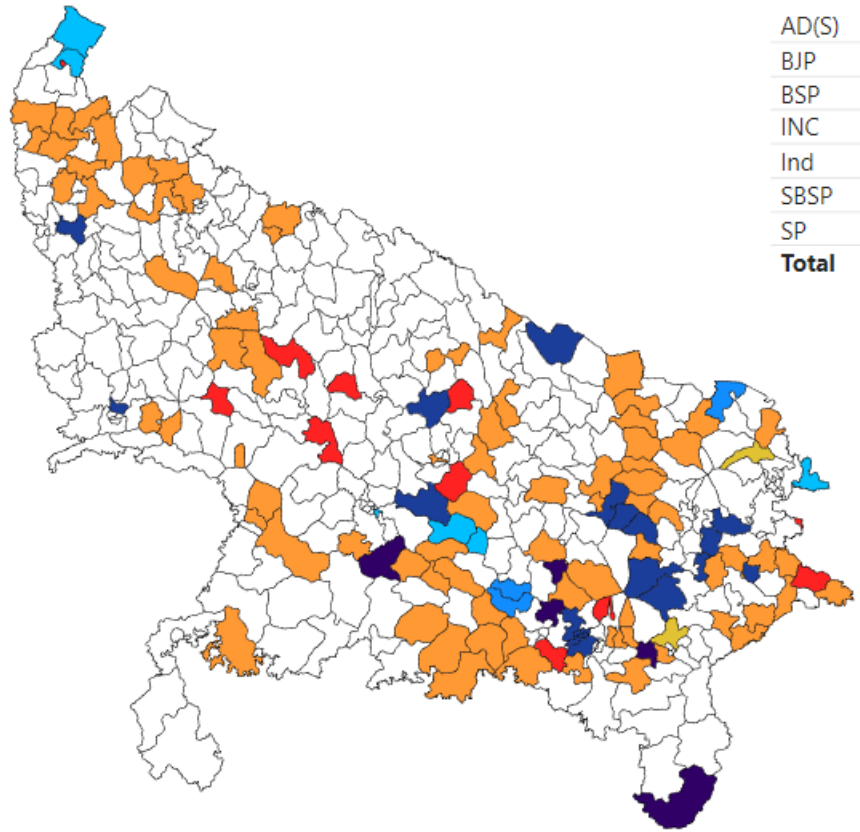
Uttar Pradesh Constituencies - Party Change Comparison

From Party

AD(S) | BJP | BSP | INC | Ind | SBSP | SP

2017 Results

Party	#
AD(S)	5
BJP	80
BSP	18
INC	6
Ind	3
SBSP	2
SP	11
Total	**125**



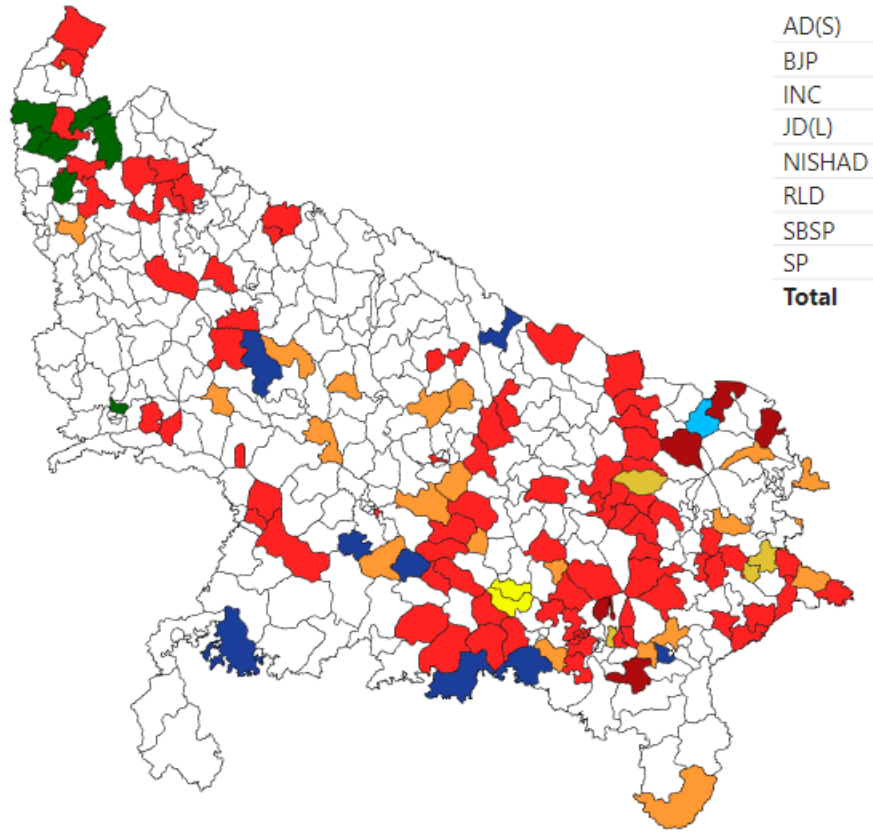
AD(S) BJP BSP INC Ind SBSP SP

To Party

AD(S) | BJP | INC | JD(L) | NISHAD | RLD | SBSP | SP

2022 Results

Party	#
AD(S)	8
BJP	23
INC	1
JD(L)	2
NISHAD	5
RLD	7
SBSP	4
SP	75
Total	**125**



AD(S) BJP INC JD(L) NISHAD RLD SBSP SP

HR

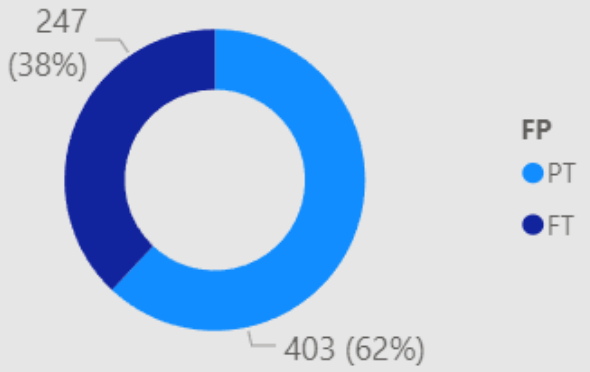
Central | East | Midwest | North | Northwest | South | West

All

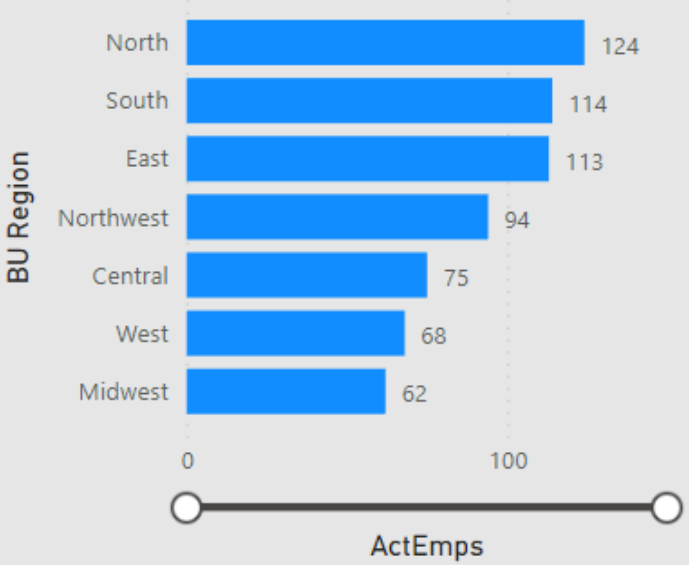
650 297 353

Select all | F | M

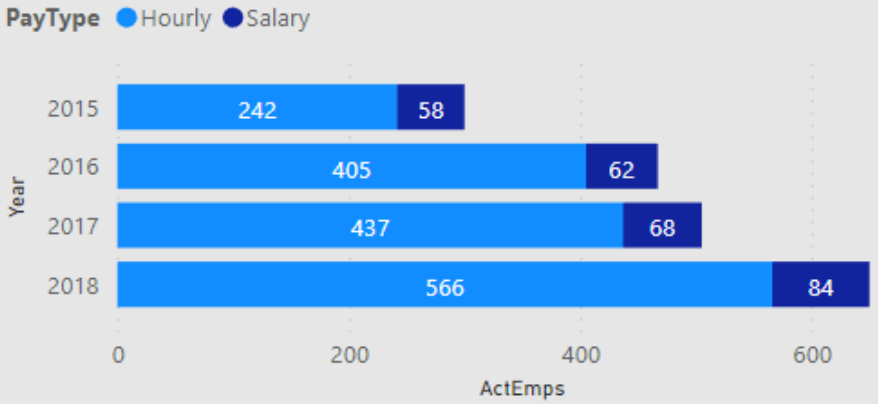
Full Time Vs Part TIme

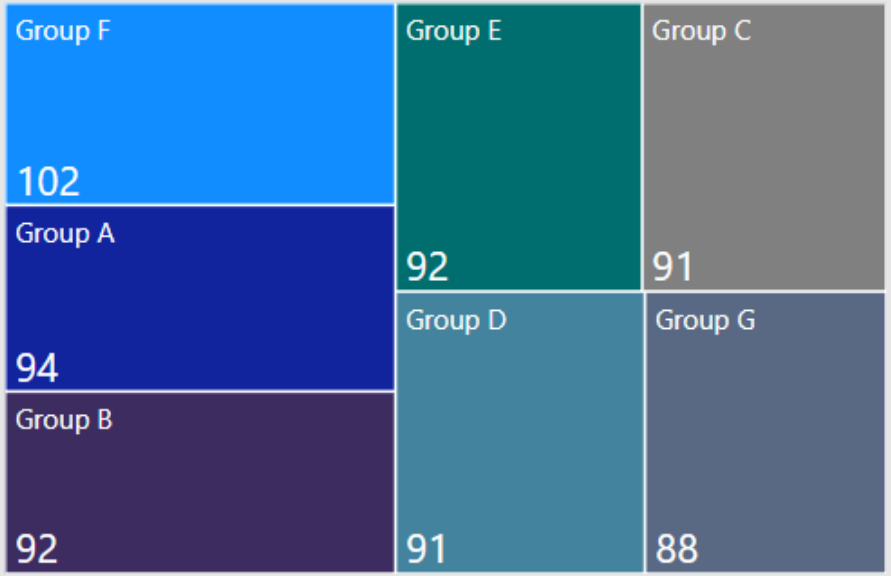


Employees by Region

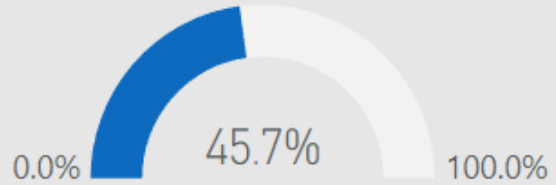


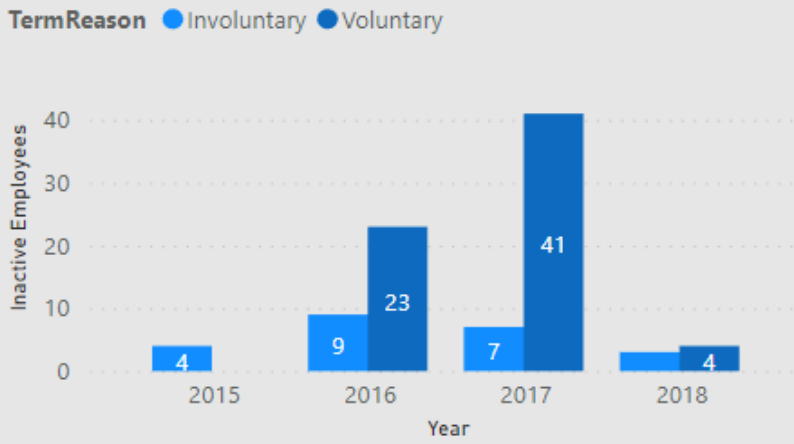
Pay Type



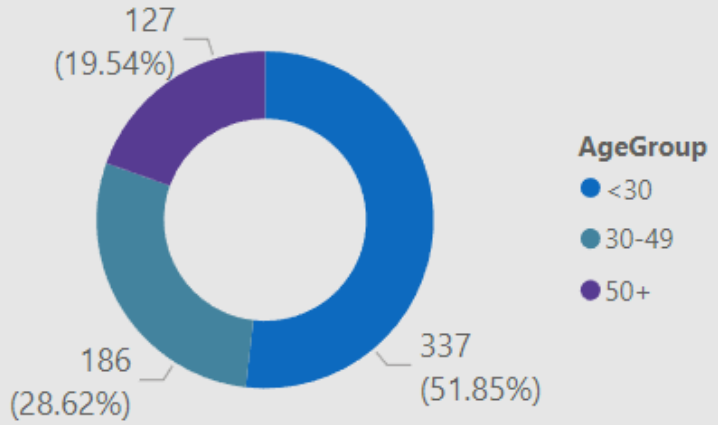


% of Female Employees





Age Group

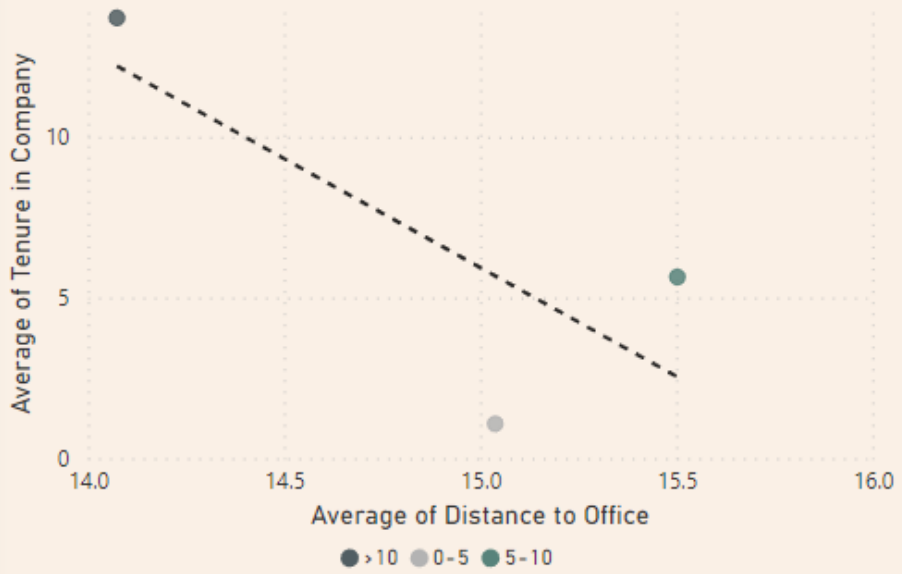


Accounting | Business Development | CEO | Engineering | Human Resources | Legal | Product Management | Research and Development | Sales & Marketing | Services | Support | Training

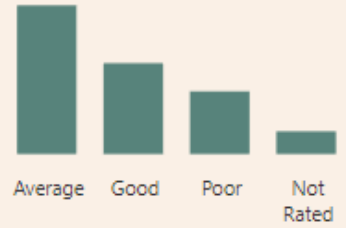
- Accounting 65
- Business Development 74
- Engineering 75
- Human Resources 73
- Legal 80
- Product Management 80
- Research and Development 65
- Sales & Marketing 138
- Services 77
- Support 75
- Training 72

Total Employees	Average Age	Males : Females	Average Experience	Average Salary
875	33.5 Years	423:432	6.8 Years	743K

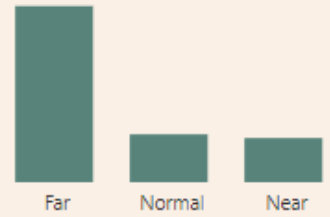
Correlation (Tenure & Distance to office w.r.t. Exp)



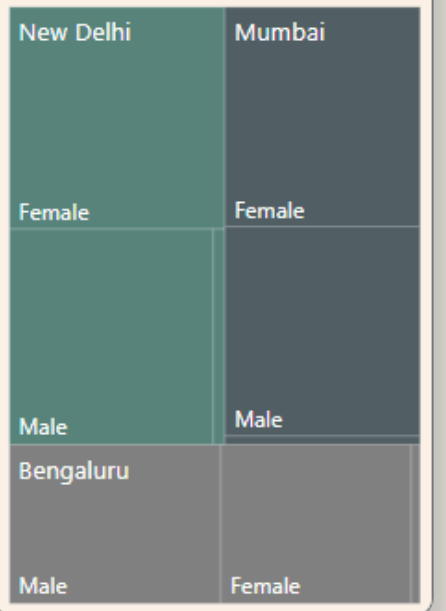
Ratings



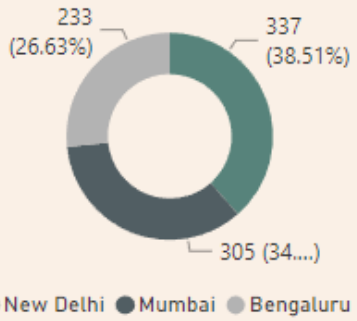
Distance



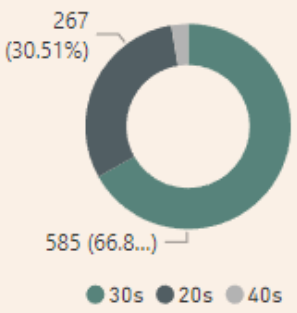
Diversity Map



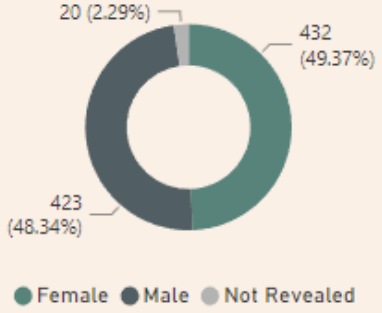
Location



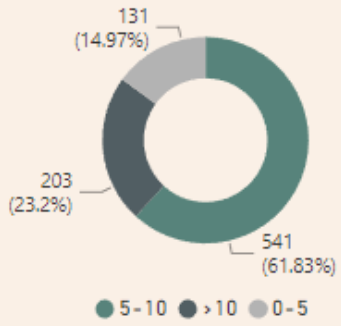
Age Distribution



Diversity



Experience

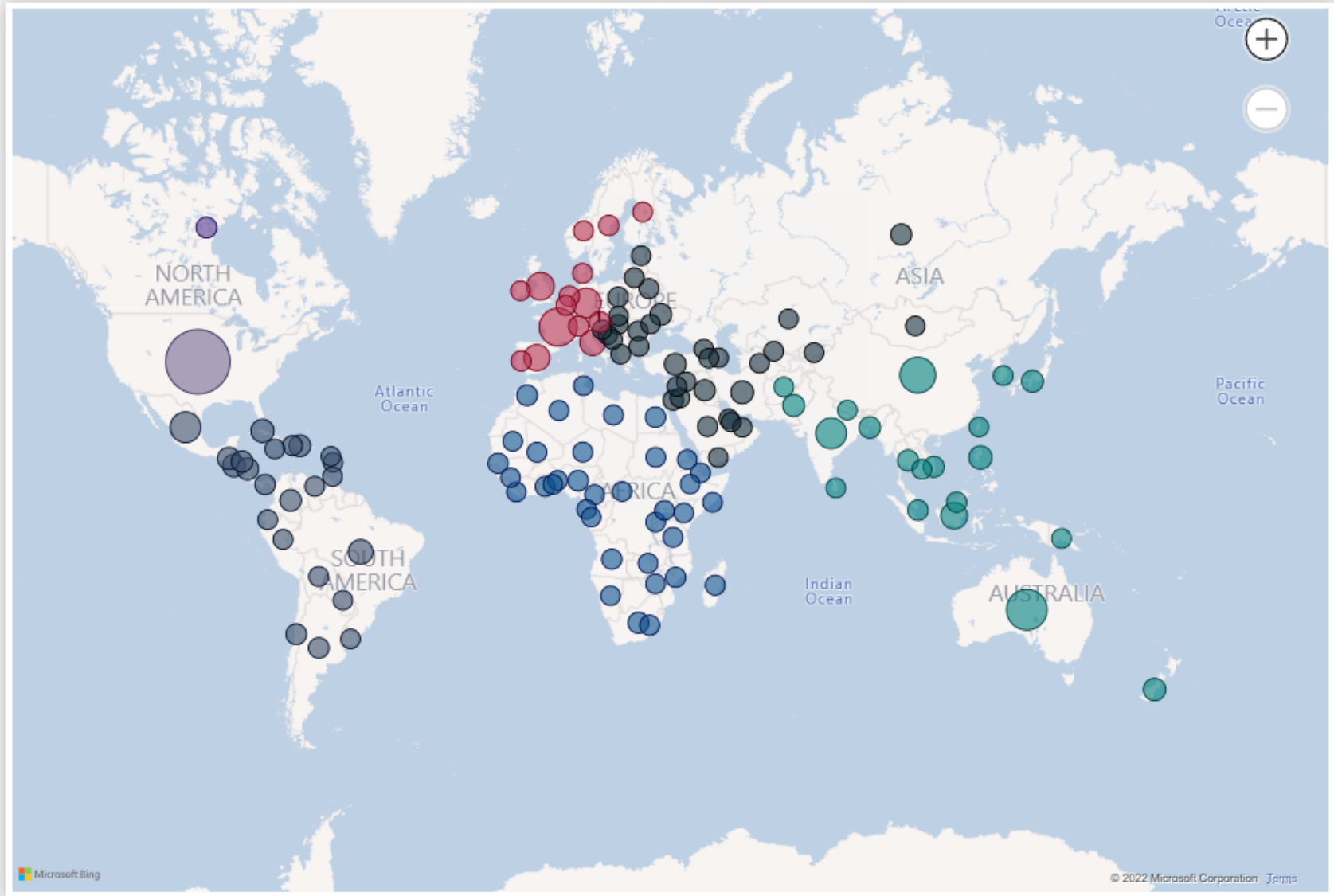


Marketing

Market Analysis

Select all | FY 2010-11 | FY 2011-12 | FY 2012-13 | FY 2013-14 | FY 2014-15

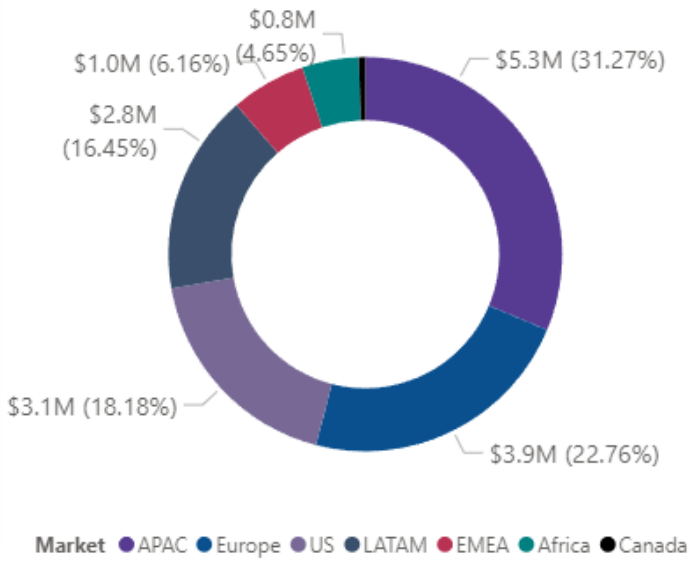
4/1/2010 3/31/2015



Try one of these to get started

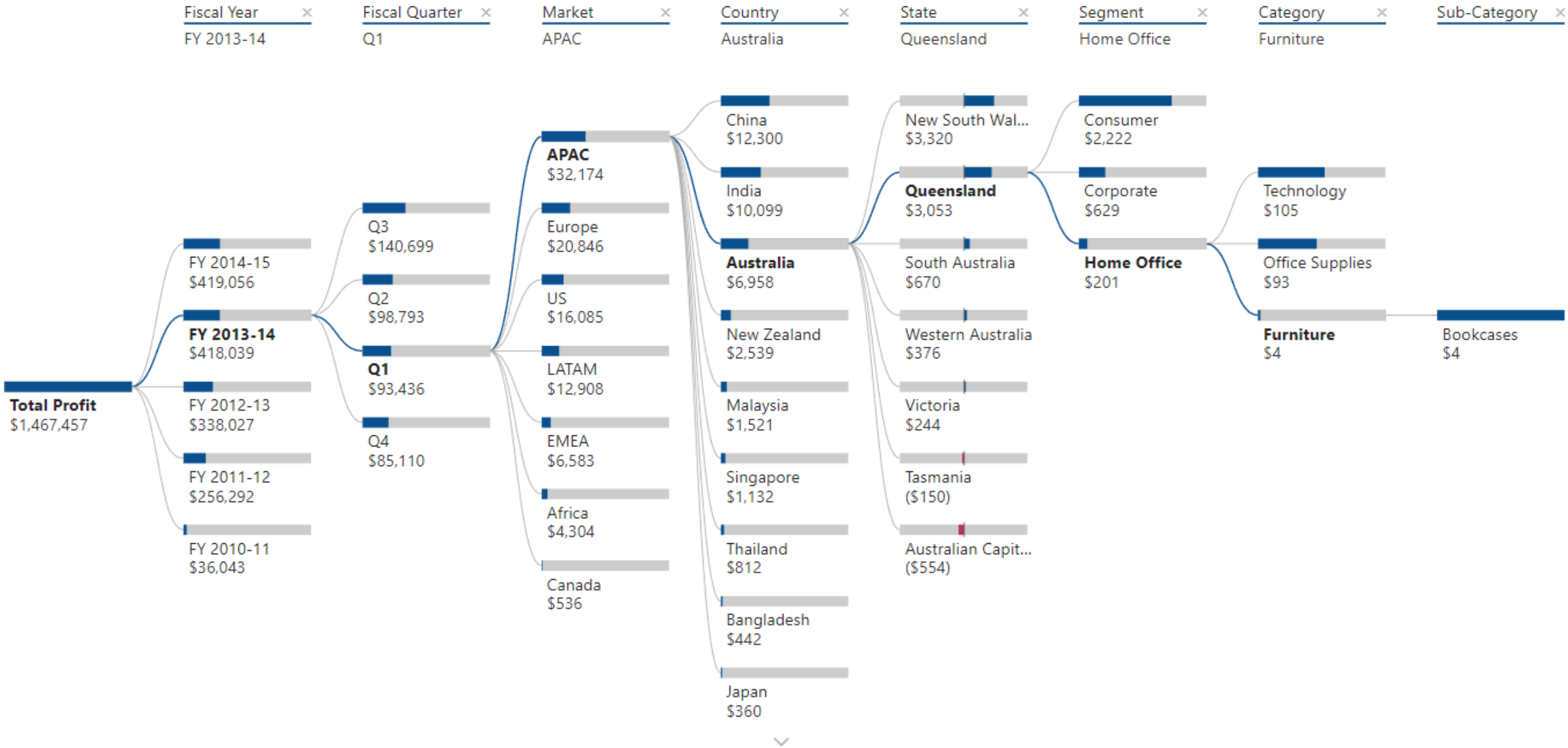
top states by f value | top countries by f value

Show all suggestions



Decomposition Tree

Select all | Critical | High | Low | Medium



Cohort Analysis

Select all | FY 2010-11 | FY 2011-12 | FY 2012-13 | FY 2013-14 | FY 2014-15

25K	1590	1580	16	$38K	$923	$58.6
Total Orders	Total Customers	Repeat Customers	Avg Orders / Cust	Revenue per Customer	Profit per Customer	Profit Per Order

Month Year	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 2
Jan 2011	100.0%	14.6%	23.1%	20.1%	22.6%	29.6%	21.1%	30.2%	36.7%	25.6%	40.2%	39.2%	18.6%	18.6%	22.6%	23.6%	25.6%	34.2%	22.1%	32.2%	38.2
Feb 2011	100.0%	15.8%	17.3%	22.3%	34.5%	16.5%	21.6%	33.8%	22.3%	37.4%	36.0%	18.0%	16.5%	27.3%	23.0%	31.7%	33.1%	23.0%	28.1%	43.2%	25.2
Mar 2011	100.0%	20.1%	21.8%	25.9%	19.0%	29.3%	33.3%	31.6%	38.5%	35.6%	15.5%	12.1%	26.4%	21.3%	27.0%	35.1%	20.7%	35.1%	42.0%	41.4%	41.4
Apr 2011	100.0%	19.0%	26.8%	21.1%	17.6%	28.9%	26.8%	28.2%	37.3%	14.8%	14.1%	27.5%	19.7%	28.9%	38.7%	19.0%	33.1%	33.1%	35.9%	35.9%	37.3
May 2011	100.0%	28.1%	13.2%	28.9%	25.4%	28.9%	35.1%	33.3%	18.4%	19.3%	20.2%	25.4%	27.2%	28.9%	16.7%	22.8%	41.2%	28.1%	42.1%	39.5%	27.2
Jun 2011	100.0%	14.5%	22.4%	26.3%	21.7%	35.5%	31.6%	14.5%	17.1%	19.7%	16.4%	21.1%	32.2%	21.1%	29.6%	34.2%	27.0%	44.1%	28.9%	19.1%	21.7
Jul 2011	100.0%	39.1%	37.5%	25.0%	29.7%	29.7%	20.3%	12.5%	20.3%	18.8%	21.9%	40.6%	23.4%	26.6%	29.7%	32.8%	37.5%	29.7%	20.3%	17.2%	32.8
Aug 2011	100.0%	24.8%	17.1%	23.8%	23.8%	12.4%	15.2%	12.4%	17.1%	18.1%	25.7%	17.1%	21.0%	32.4%	23.8%	32.4%	26.7%	12.4%	16.2%	19.0%	21.0
Sep 2011	100.0%	14.3%	23.8%	28.6%	10.7%	11.9%	16.7%	13.1%	14.3%	25.0%	19.0%	27.4%	31.0%	13.1%	26.2%	26.2%	25.0%	14.3%	15.5%	13.1%	21.4
Oct 2011	100.0%	27.1%	39.6%	16.7%	12.5%	27.1%	16.7%	27.1%	35.4%	12.5%	33.3%	25.0%	29.2%	39.6%	29.2%	14.6%	18.8%	18.8%	25.0%	20.8%	37.5
Nov 2011	100.0%	14.9%	23.4%	8.5%	4.3%	4.3%	21.3%	17.0%	6.4%	27.7%	21.3%	21.3%	10.6%	17.0%	25.5%	8.5%	10.6%	14.9%	21.3%	17.0%	12.8
Dec 2011	100.0%	12.2%	7.3%	9.8%	7.3%	9.8%	14.6%	14.6%	22.0%	31.7%	12.2%	14.6%	14.6%	7.3%	17.1%	19.5%	4.9%	14.6%	31.7%	14.6%	34.1
Jan 2012	100.0%	12.0%	8.0%		4.0%	16.0%	4.0%	8.0%	12.0%	12.0%	28.0%	4.0%	8.0%	8.0%	8.0%	12.0%	12.0%	20.0%	4.0%	24.0%	24.0
Feb 2012	100.0%	7.1%	28.6%		21.4%	14.3%	14.3%	7.1%	14.3%	35.7%	14.3%	7.1%	21.4%	14.3%		7.1%	14.3%	21.4%	7.1%	28.6%	
Mar 2012	100.0%	5.6%	5.6%	16.7%	11.1%	33.3%		5.6%		11.1%	11.1%	5.6%	5.6%	11.1%	5.6%	11.1%	16.7%	22.2%	33.3%	11.1%	11.1
Apr 2012	100.0%		18.8%		18.8%		6.3%	12.5%	6.3%	6.3%	6.3%	6.3%		12.5%	50.0%		6.3%		6.3%	12.5%	12.5
May 2012	100.0%	18.2%		9.1%	18.2%		18.2%	9.1%	18.2%	9.1%				9.1%		9.1%	9.1%	18.2%	18.2%	36.4%	
Jun 2012	100.0%	10.3%	24.1%	13.8%	6.9%	10.3%	10.3%	13.8%	6.9%	13.8%	10.3%	6.9%	17.2%	6.9%	27.6%	13.8%	10.3%	24.1%	10.3%	6.9%	17.2
Jul 2012	100.0%		11.1%	22.2%	22.2%			11.1%		11.1%	22.2%				11.1%	22.2%	22.2%	22.2%	44.4%		22.2
Aug 2012	100.0%	18.5%	14.8%	14.8%	11.1%	11.1%	7.4%	3.7%		7.4%	22.2%	11.1%	11.1%	22.2%	7.4%	14.8%	22.2%	3.7%	7.4%	7.4%	18.5
Sep 2012	100.0%	9.1%	13.6%	27.3%	4.5%	4.5%	4.5%	13.6%	13.6%	4.5%	9.1%	18.2%	18.2%	18.2%	31.8%	18.2%	18.2%	13.6%	9.1%	18.2%	9.1
Oct 2012	100.0%			16.7%					16.7%		16.7%	16.7%		50.0%	16.7%		16.7%	16.7%			33.3
Nov 2012	100.0%	12.5%	8.3%		12.5%	8.3%	4.2%	20.8%	12.5%	16.7%	20.8%	4.2%	8.3%	20.8%	8.3%	20.8%	20.8%	16.7%	16.7%	25.0%	25.0
Dec 2012	100.0%	22.2%		22.2%	22.2%		22.2%	11.1%	33.3%			11.1%	33.3%			11.1%	22.2%	11.1%	11.1%		22.2

ABC Classification

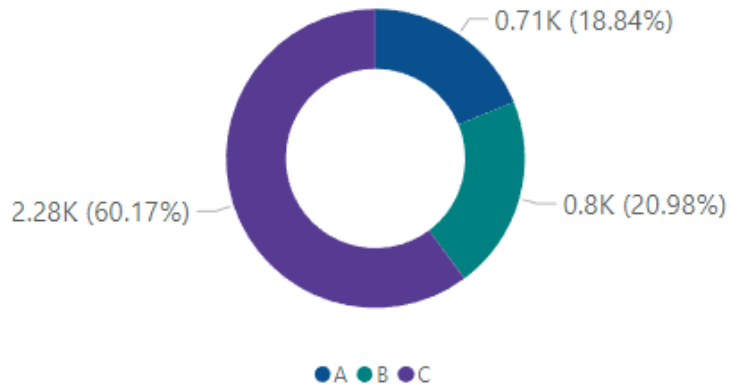
Product Name

All

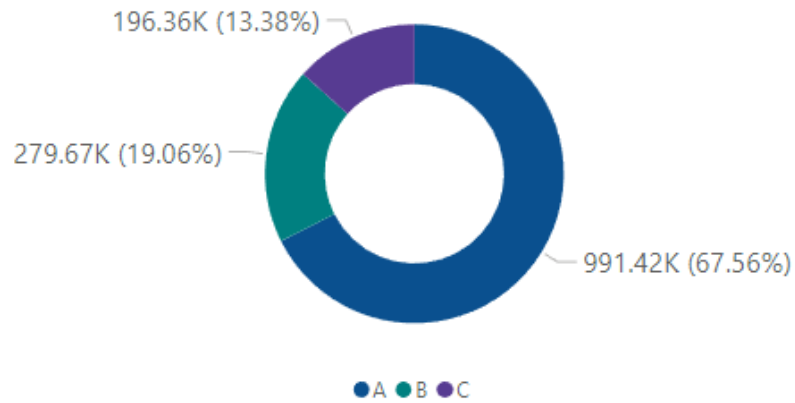
25K	$38K	$923	$2.44K	$2.44K
Total Orders	Revenue per Customer	Profit per Customer	Sales Per Order	Sales Per Order

Product Name	Total Sales	Cumulative	ABC Class
Apple Smart Phone, Full Size	$431,708	0.7%	A
Motorola Smart Phone, Full Size	$382,513	1.3%	A
Cisco Smart Phone, Full Size	$377,146	2.0%	A
Nokia Smart Phone, Full Size	$296,484	2.4%	A
Hon Executive Leather Armchair, Adjustable	$294,628	2.9%	A
Samsung Smart Phone, VoIP	$279,941	3.4%	A
Canon imageCLASS 2200 Advanced Copier	$253,339	3.8%	A
SAFCO Executive Leather Armchair, Black	$252,614	4.2%	A
Samsung Smart Phone, Cordless	$244,748	4.6%	A
Nokia Smart Phone, with Caller ID	$244,508	5.0%	A
Sauder Classic Bookcase, Traditional	$237,851	5.4%	A
Harbour Creations Executive Leather Armchair, Adjustable	$235,564	5.8%	A
Hoover Stove, Red	$232,347	6.2%	A
Cisco Smart Phone, Cordless	$195,898	6.5%	A
Office Star Executive Leather Armchair, Adjustable	$195,806	6.8%	A
Novimex Executive Leather Armchair, Red	$193,848	7.1%	A
Total	**$61,088,300**	**100.0%**	**A**

No. of Products (ABC Classification)



Profits (ABC Classification)



RFM Analysis

Recency
Frequency
Monetary

R Score

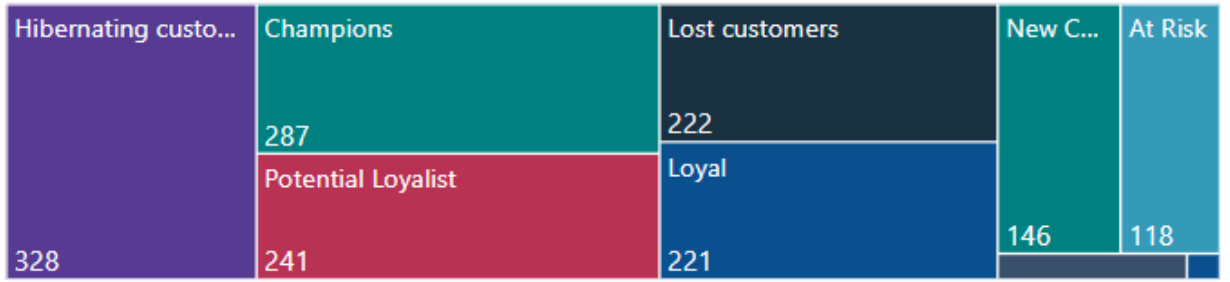
Select all	3
1	4
2	5

F Score

Select all	3
1	4
2	5

M Score

Select all	3
1	4
2	5

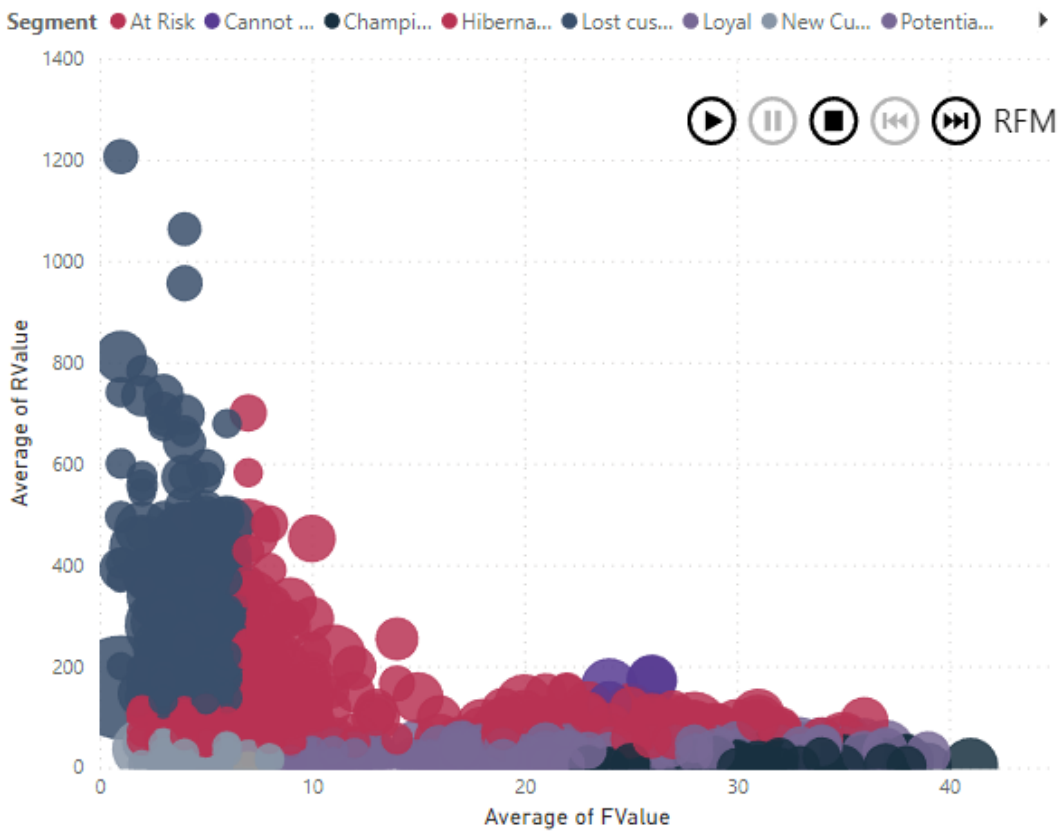


84
Avg Recency (R)

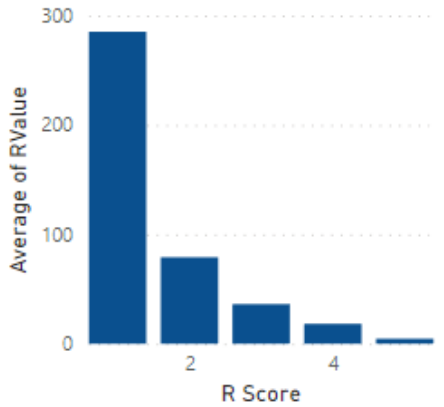
16
Avg Frequency (F)

$1,977.0
Average Monetary (M)

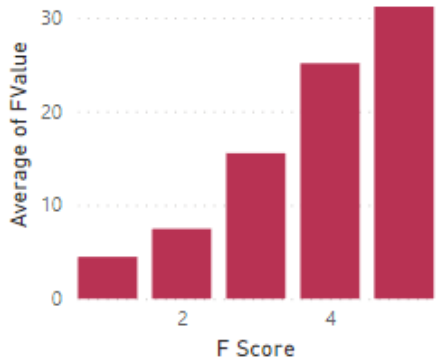
RFM Segmentation



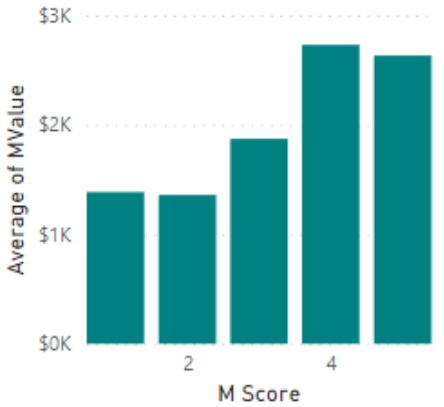
Avg Value Vs Score (R)



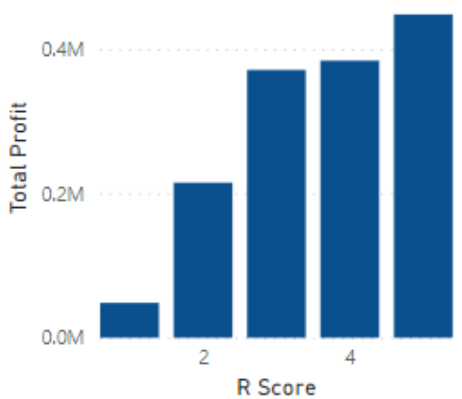
Avg Value Vs Score (F)



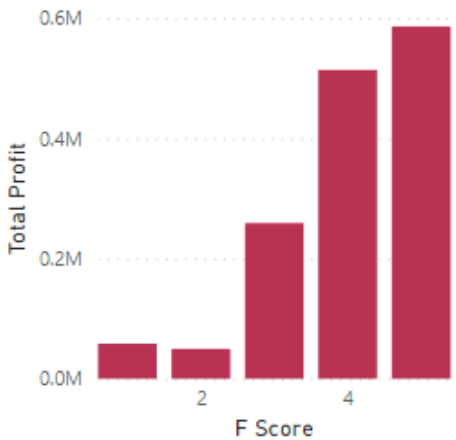
Avg Value Vs Score (M)



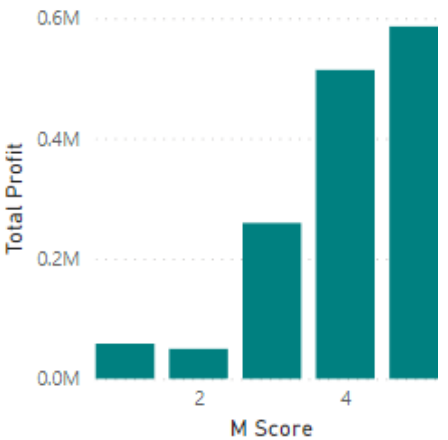
Profit (R Score)



Profit (F Score)



Profit (M Score)



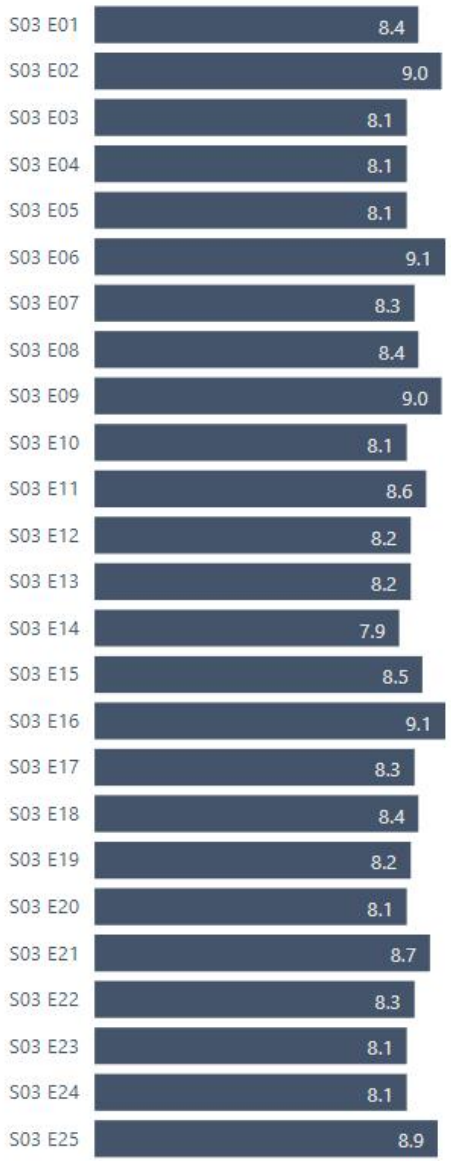
TV Shows

F·R·I·E·N·D·S

Friends is a sitcom created by David Crane and Marta Kauffman which aired from 1994 till 2004.

It features Courtney Cox, David Schwimmer, Jennifer Aniston, Lisa Kudrow, Matt LeBlanc and Matthew Perry as the main cast. The show is about the lives of six friends in their 20s and 30s living in Manhattan, New York City.

The show comprises of 10 seasons and 236 episodes. The series was produced by Bright/Kauffman/Crane Productions, in association with Warner Bros. Television



Central Perk

Monica's Apartment

Joey & Chandler's Apartment

Season 4

The One with t

Started

9/25/1997

Ended

5/7/1998

US Viewers (Millions)

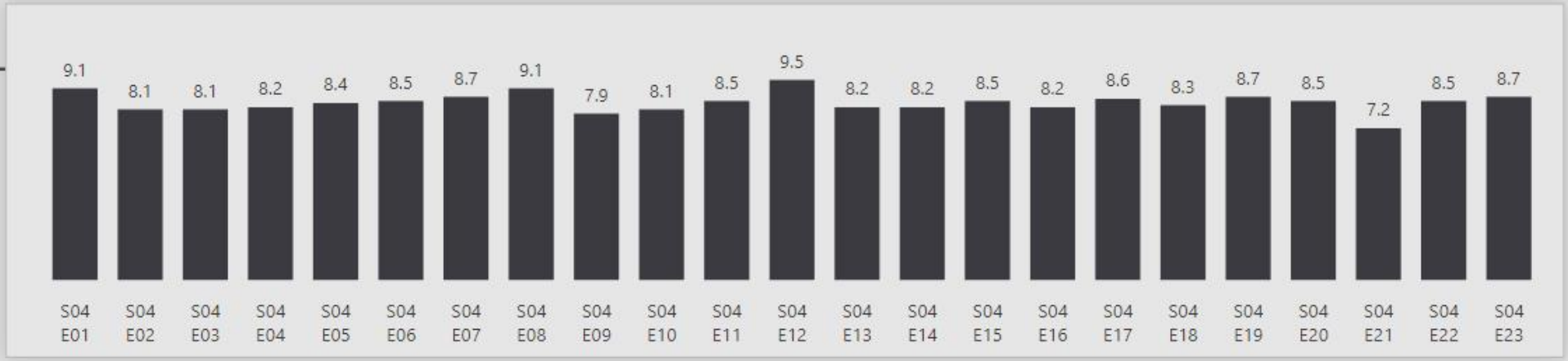
Avg Viewers (Millions)

24.66

IMDB Rating

Average Season Rating

8.48



How I Met Your Mother

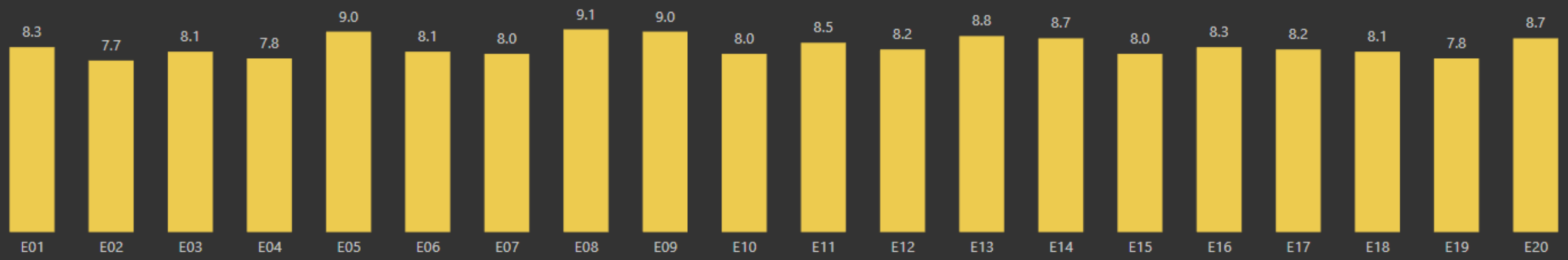
9 Seasons	208 Episodes

1.9B Total Views	9.0M Avg Views / Episode	
8.1 Avg Rating / Episode	9 Most Voted Season	
2 Highest Rated Season	7 Most Viewed Season	

Top Rated Episodes

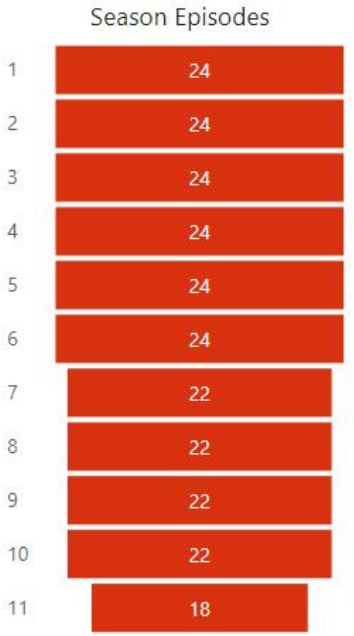
- **S02 E09 - Slap Bet** 9.50
- **S09 E16 - How Your Mother Met Me** 9.50
- **S05 E08 - The Playbook** 9.40
- **S08 E12 - The Final Page, Part 2** 9.40
- **S01 E10 - The Pineapple Incident** 9.20
- **S05 E12 - Girls Versus Suits** 9.10

Season 1 | Season 2 | Season 3 | Season 4 | Season 5 | Season 6 | Season 7 | Season 8 | Season 9



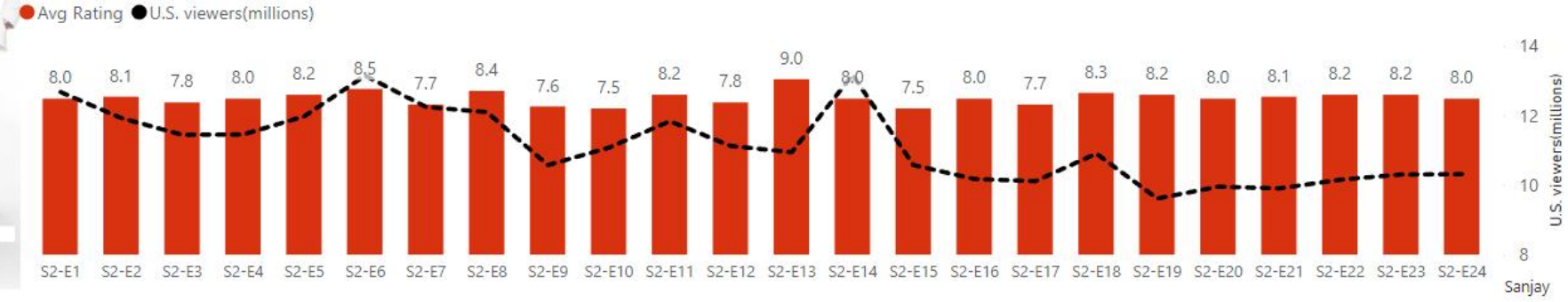
Select all | Season 1 | Season 2 | Season 3 | Season 4 | Season 5 | Season 6 | Season 7 | Season 8 | Season 9 | Season 10 | Season 11

23.9.09 First Airdate	11 Seasons	8.4.20 Last Airdate	2 Season Number
250 Episodes	7.8 Avg Rating	8.6M Avg Viewers (US)	8.0 Season Rating
			11.1M Avg Season Viewers (US)

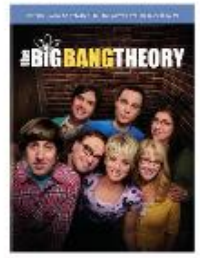


Top Episodes

- Caught in the Act (S2-E13) 9.00
- Halloween (S2-E6) 8.50
- Manny Get Your Gun (S2-E8) 8.40
- Unplugged (S2-E5) 8.20
- Bixby's Back (S2-E14) 8.00
- The Old Wagon (S2-E1) 8.00



the BIG BANG THEORY



THE BIG BANG THEORY

279
Total Episodes

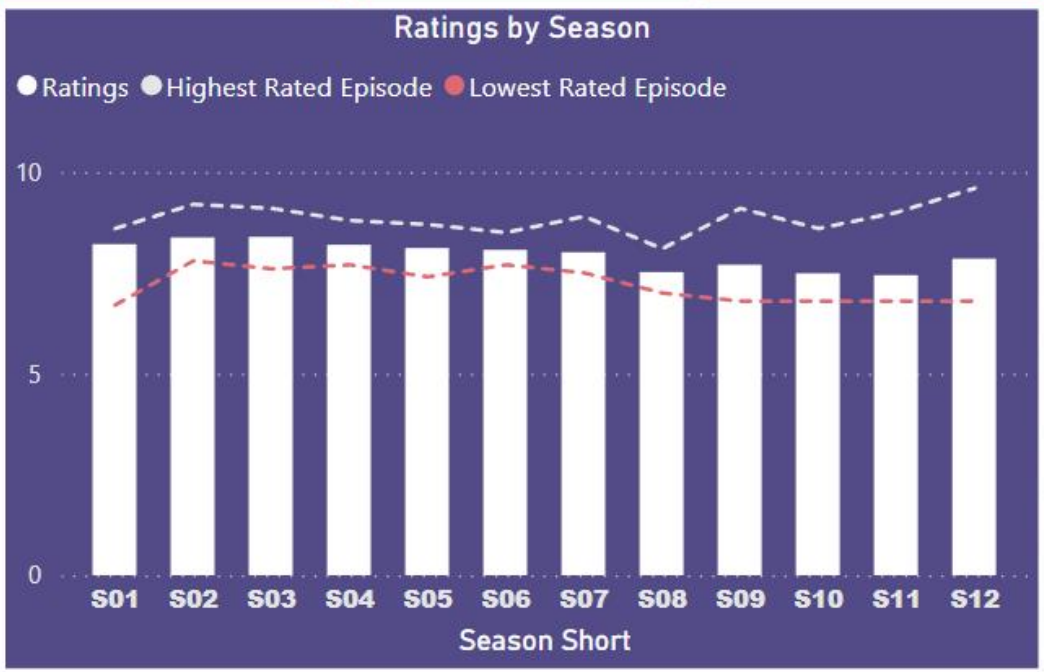
5/1/2006
First Aired

5/16/2019
Last Aired

8
Overall Rating

3
Highest Rated Season

11
Lowest Rated Season



Top Rated Episodes

S12 E24 - The Stockholm Syndrome
9.6

S02 E11 - The Bath Item Gift Hypothesis
9.2

S09 E11 - The Opening Night Excitation
9.1

S09 E10 - The Earworm Reverberation
8.4

S01 E01 - Pilot
8.3

S04 E18 - The Prestidigitation Approximation
8.3

S05 E20 - The Transporter Malfunction
8.3

S03 E20 - The Spaghetti Catalyst
8.2

S04 E04 - The Hot Troll Deviation
8.1

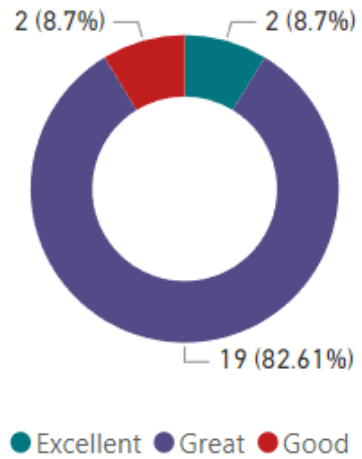
S05 E02 - The Infestation Hypothesis
8.1

Season 3

e Implementation 9.1 E08 - The Adhesive Duck Deficiency 9.0 E

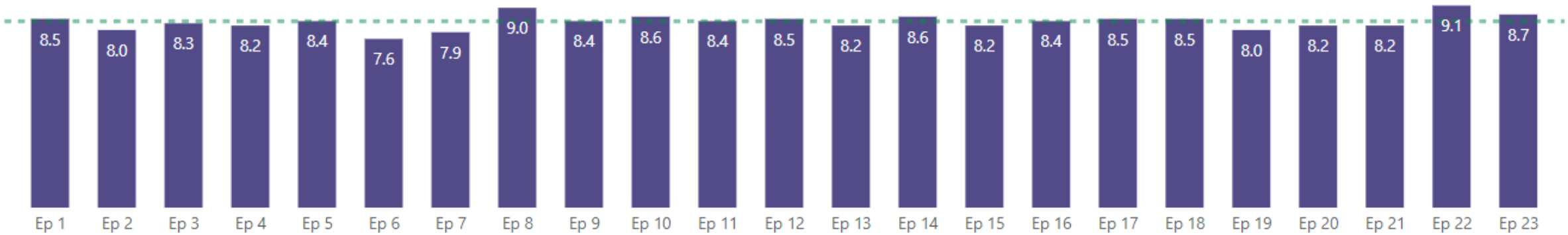
9/21/2009	8.39	13	10	5/24/2010
Season Started	Overall Rating	Episodes > Avg Rating	Episodes < Avg Ratings	Season Finale

Perception



First Episode	E01	The Electric Can Opener Fluctuation	8.5
Last Episode	E23	The Lunar Excitation	8.7
Highest Rated	E22	The Staircase Implementation	9.1
Lowest Rated	E06	The Cornhusker Vortex	7.6
Most Votes	E08	The Adhesive Duck Deficiency	9.0
Lowest Votes	E20	The Spaghetti Catalyst	8.2

Episode Ratings (Scale of 10)



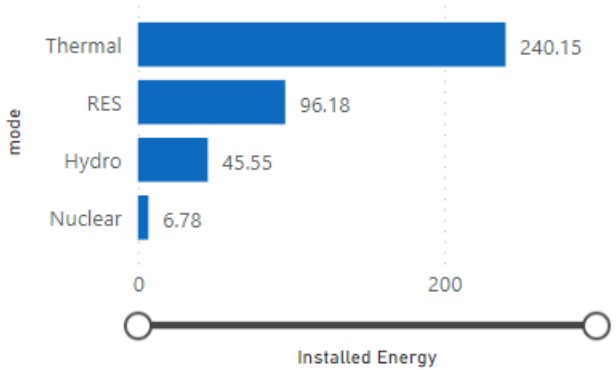
General

Central	East	North	North East	South	West

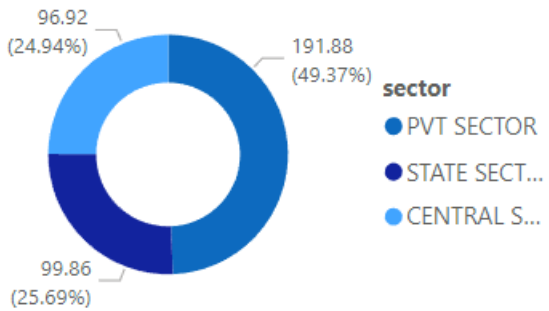
Installed Capacity (GW)	Thermal Capacity (GW)	RES Capacity (GW)	Hydro Capacity (GW)	Nuclear Capacity (GW)
388.67	240.15	96.18	45.55	6.78

Latest Refresh	11 August 2021

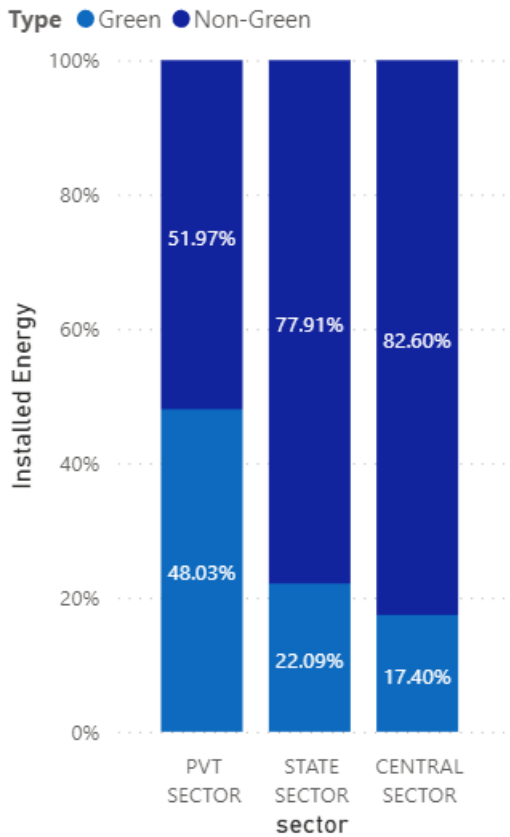
Installed Power (by Source) (GW)



Installed Energy by sector



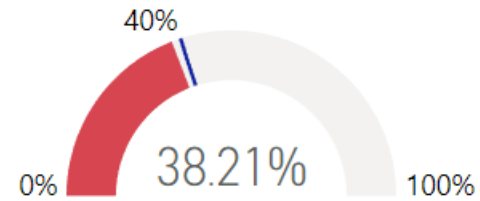
Installed Power by sector and Type



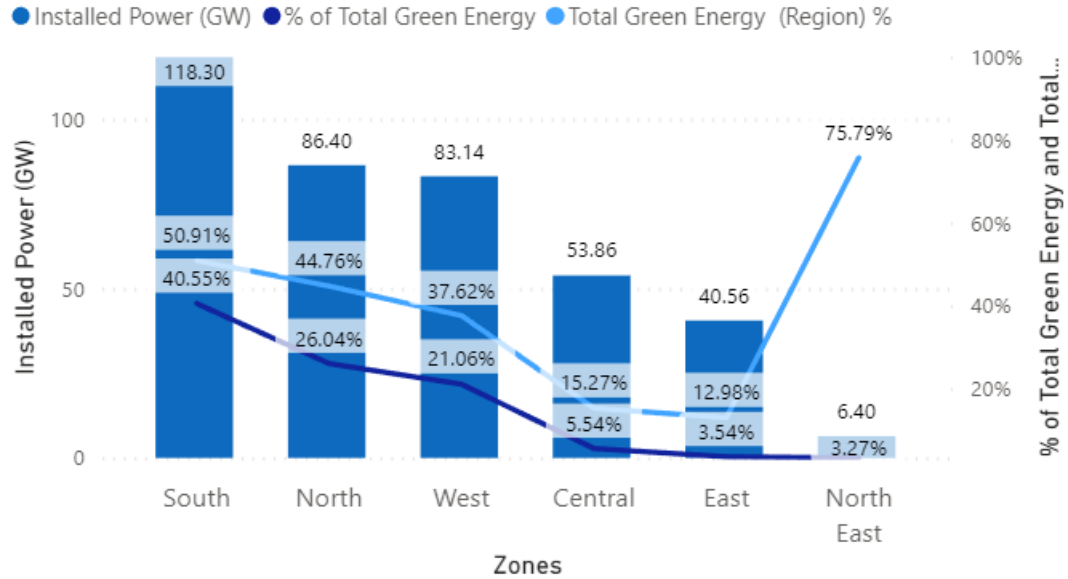
State

- Select all
- Andaman & Nicobar Islands
- Andhra Pradesh
- Arunachal Pradesh
- Assam

Target Green Energy %



Green Energy Target



CO | NH3 | NO2 | OZONE | PM10 | PM2.5 | SO2

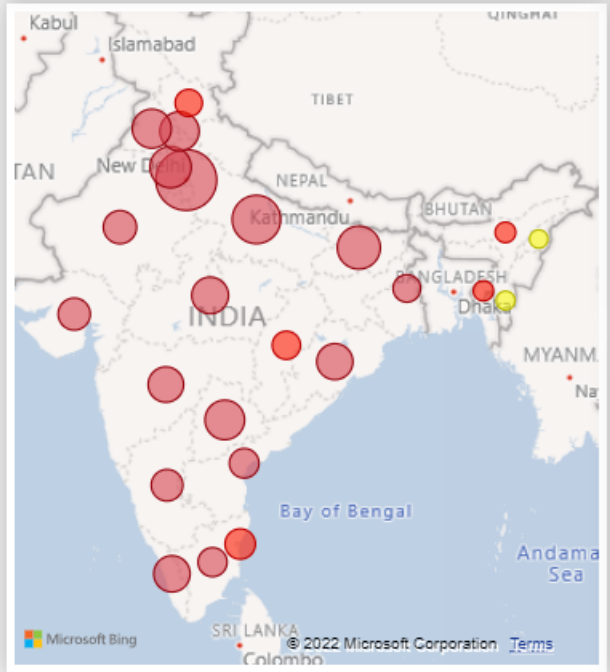
Last Refresh	Most Polluted Region	Total States & UTs	Most Polluted State	Total Cities	Most Polluted City
4/18/2022	North	24	Delhi	138	Palwal

Sanjay

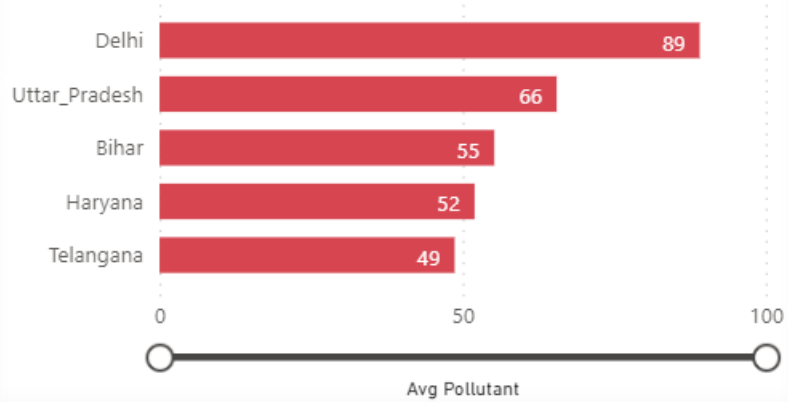
Delhi 89.1 Uttar_Pradesh 65.5 Bihar 55.2 Haryana 52.0 Telangana 48.7

Admin Region

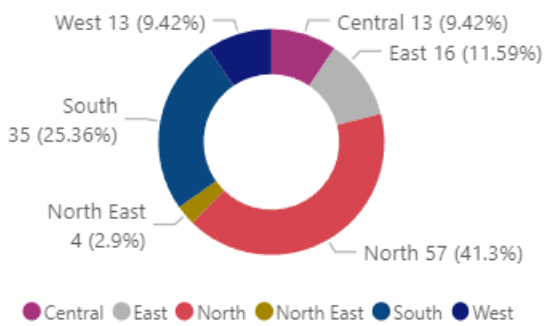
All



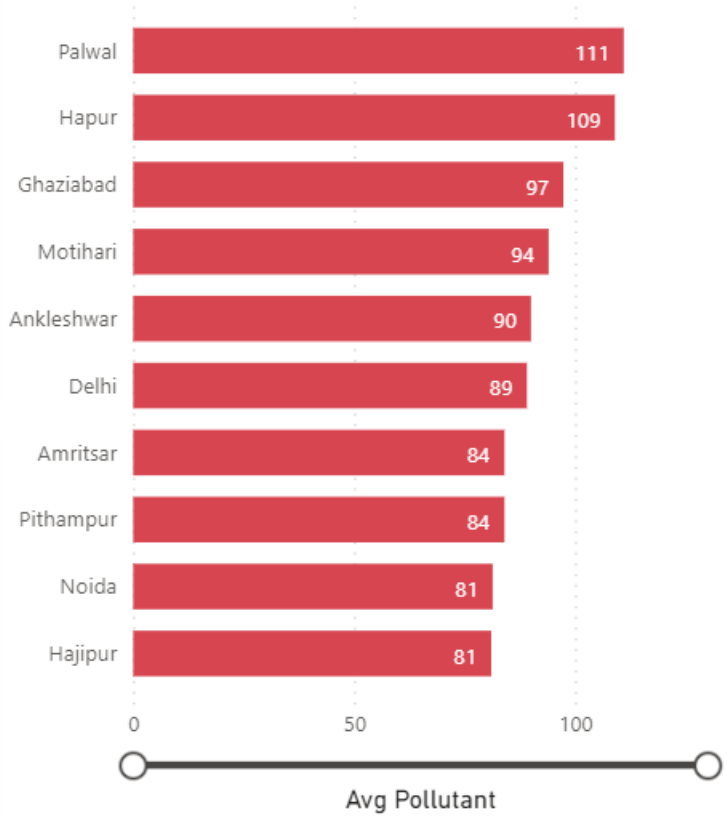
Top 5 States



No of Cities by Region



Top 10 Cities



My Profile built with Power BI

SANJAY CHANDRA

5.0
Years of Experience

30+
PBI Reports Delivered

2
Internships

8
Live Projects

45+
Portfolio Projects

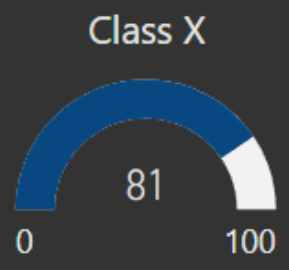
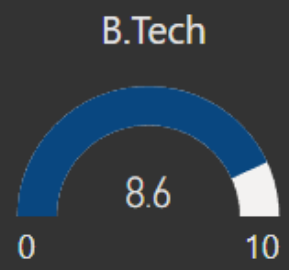
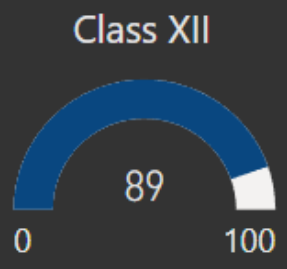
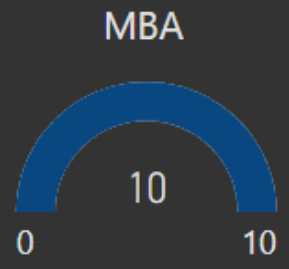
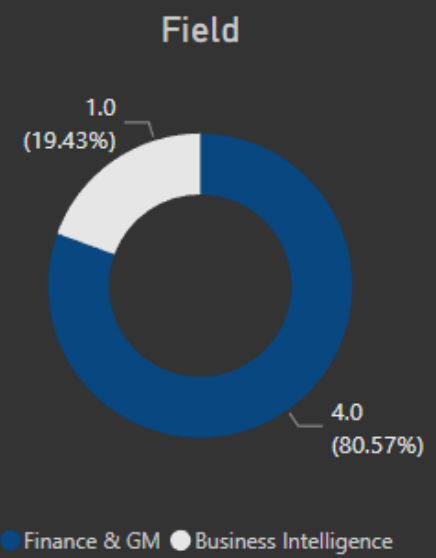
9
MS Certifications

3
Competition Judge

MBA
Financial Management
Gold Medalist

B.Tech
Electronics & Communication

MCT
Microsoft Certified Trainer

- BI Analyst (C&P CoE)
- Sr Data Analyst (SCM)
- MBA (Finance & GM)
- Asst Manager (Revival)
- Management Trainee
- B.Tech (ECE)

Analytics
Finance
Data Visualization
Business Intelligence
Training
Public Speaking
General Management