

Get (import) the “Business_Units” Excel data into Power BI and submit a snapshot of your table view showing the data.

Table: BU (30 rows) Columns: Region (7 distinct values)

BU	RegionSeq	VP	Region
1	1-North	Sherley Rhymes	North
2	1-North	Dan Brown	North
3	1-North	Glennie Butters	North
4	1-North	Ruthann Lee	North
5	2-Midwest	Reena Hentz	Midwest
6	2-Midwest	Aliza Fekete	Midwest
7	2-Midwest	Tom Benson	Midwest
8	2-Midwest	Brad Eagles	Midwest
9	6-South	April Legolis	South
10	6-South	Maurine Krieger	South
11	6-South	Andrew Thompson	South
12	6-South	Miguel Shuck	South
13	5-Central	Angelita Bowley	Central
14	5-Central	June Foster	Central
15	5-Central	Li Xi	Central
16	5-Central	Jean Shagal	Central
17	3-Northwest	Miklo Rein	Northwest
18	3-Northwest	Beverly Blair	Northwest
19	3-Northwest	Trudy Fitch	Northwest
20	3-Northwest	Jerri Ebron	Northwest
21	3-Northwest	Raquel Kaup	Northwest
22	7-West	Li Pennywell	West
23	7-West	Dianna Mason	West
24	7-West	Rosalina Reach	West
94	1-North	Lin Batista	North
95	1-North	Scott Saliman	North
96	4-East	Patty Gallop	East
97	4-East	Jim Oyama	East
98	4-East	Anabell Hynes	East
99	4-East	Brett Jones	East

Import the “Invoices” Excel data into Power BI and submit a snapshot of your table view showing the data.

Table: Sheet1 (1,15,317 rows)

InvoiceID	InvoiceDateID	VendorID	LocationID	Discount Days	Discount Percent	Payment Terms Days
466161	20130415	1	489	0	0	45
466230	20130321	1	489	0	0	45
466270	20120105	1	489	0	0	45
466339	20120926	1	489	0	0	45
466340	20130808	1	489	0	0	45
466372	20130311	1	489	0	0	45
466453	20120504	1	489	0	0	45
466531	20130506	1	489	0	0	45
466593	20130927	1	489	0	0	45
466607	20121124	1	489	0	0	45
466649	20120409	1	489	0	0	45
466809	20130711	1	489	0	0	45
466822	20130214	1	489	0	0	45
467046	20120109	1	489	0	0	45
467116	20120308	1	489	0	0	45
467174	20130507	1	489	0	0	45
467216	20120702	1	489	0	0	45
467246	20130412	1	489	0	0	45
467378	20130129	1	489	0	0	45
467481	20130215	1	489	0	0	45
467508	20120229	1	489	0	0	45
467629	20130916	1	489	0	0	45
467644	20110906	1	489	0	0	45
467654	20120109	1	489	0	0	45
467682	20111026	1	489	0	0	45
467691	20120906	1	489	0	0	45
467793	20120803	1	489	0	0	45
467843	20130923	1	489	0	0	45
467850	20120517	1	489	0	0	45
467855	20131014	1	489	0	0	45
467921	20131014	1	489	0	0	45

Import the “Employees” Excel data into Power BI and submit a snapshot of your table view showing the data.

date	EmpID	Gender	Age	EthnicGroup	FP	TermDate	isNewHire	BU	HireDate	PayTypeID	TermReason	AgeGroupID	TenureDays	TenureMonths	BadHires
01-01-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13600	453	
01-03-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6364	212	
01-02-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13631	454	
01-12-2011 00:00:00	85226	D	56						S 26 January 1974	H		3	13823	460	
01-12-2011 00:00:00	108896	D	56						S 31 August 1973	H		3	13971	465	
01-04-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6395	213	
01-03-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13659	455	
01-04-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13690	456	
01-05-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6425	214	
01-10-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6578	219	
01-06-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13751	458	
01-03-2011 00:00:00	63702	D	56						S 29 May 1986	H		3	9042	301	
01-01-2011 00:00:00	85226	D	56						S 26 January 1974	H		3	13489	449	
01-01-2011 00:00:00	108896	D	56						S 31 August 1973	H		3	13637	454	
01-02-2011 00:00:00	85226	D	56						S 26 January 1974	H		3	13520	450	
01-10-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13073	462	
01-02-2011 00:00:00	108896	D	56						S 31 August 1973	H		3	13668	455	
01-04-2011 00:00:00	63702	D	56						S 29 May 1986	H		3	9073	302	
01-11-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6609	220	
01-12-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6639	221	
01-03-2011 00:00:00	85226	D	56						S 26 January 1974	H		3	13548	451	
01-03-2011 00:00:00	108896	D	56						S 31 August 1973	H		3	13696	456	
01-11-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13904	463	
01-04-2011 00:00:00	85226	D	56						S 26 January 1974	H		3	13579	452	
01-04-2011 00:00:00	108896	D	56						S 31 August 1973	H		3	13727	457	
01-07-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6486	216	
01-12-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13934	464	
01-07-2014 00:00:00	80996	D	56						S 07 October 1976	H		3	13781	459	
01-08-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6517	217	
01-09-2014 00:00:00	77016	D	56						S 27 September 1996	H		3	6548	218	

Go to the Wiki US States and Territories website and import the flags of the United States of America table. Then submit a snapshot of your table view showing the data.

Flag, name and postal abbreviation[8]	Flag, name and postal abbreviation[8]_1	Cities	Cities_2	Ratification or admission[A]	Population(2020)[10]	Total area[11]	Total area[11]_3	Reqs.
Alabama	AL	Capital	Largest[12]	Dec 14, 1819	5024279	52,420	135,767	7
Alaska	AK	Montgomery	Huntsville	Jan 3, 1959	733391	665,384	1,723,337	1
Arizona	AZ	Juneau	Anchorage	Feb 14, 1912	7151502	113,990	295,234	9
Arkansas	AR	Phoenix	Phoenix	Jun 15, 1836	3011524	53,179	137,732	4
California	CA	Little Rock	Little Rock	Sep 9, 1850	39538223	163,695	423,967	52
Colorado	CO	Sacramento	Los Angeles	Aug 1, 1876	5773714	104,094	269,601	8
Connecticut	CT	Denver	Denver	Jan 9, 1788	3605944	5,543	14,357	5
Delaware	DE	Hartford	Bridgeport	Dec 7, 1787	989948	2,489	6,446	1
Florida	FL	Dover	Wilmington	Mar 3, 1845	21538187	65,758	170,312	28
Georgia	GA	Tallahassee	Jacksonville	Jan 2, 1788	10711908	59,425	153,910	14
Hawaii	HI	Atlanta	Atlanta	Aug 21, 1959	1455271	10,932	28,313	2
Idaho	ID	Honolulu	Honolulu	Jul 3, 1899	1839106	83,569	216,443	2
Illinois	IL	Boise	Boise	Dec 3, 1809	12812508	57,914	149,995	17
Indiana	IN	Springfield	Chicago	Dec 11, 1816	6785528	36,420	94,326	9
Iowa	IA	Indianapolis	Indianapolis	Dec 28, 1846	3190369	56,273	145,746	4
Kansas	KS	Des Moines	Des Moines	Jan 29, 1861	2937880	82,278	213,100	4
Kentucky[B]	KY	Topaka	Wichita	Jun 1, 1792	4505836	40,408	104,656	6
Louisiana	LA	Frankfort	Louisville	Apr 30, 1812	4657757	52,378	135,659	6
Maine	ME	Baton Rouge	New Orleans	Mar 15, 1820	1362359	35,380	91,633	2
Maryland	MD	Augusta	Portland	Apr 28, 1788	6177224	12,406	32,131	8
Massachusetts[B]	MA	Annapolis	Baltimore	Feb 6, 1788	7029917	10,554	27,336	9
Michigan	MI	Boston	Boston	Jan 26, 1837	10077331	96,714	250,487	13
Minnesota	MN	Lansing	Detroit	May 11, 1858	5706494	86,936	225,163	8
Mississippi	MS	Saint Paul	Minneapolis	Dec 10, 1817	2961279	48,432	125,438	4
Missouri	MO	Jackson	Jackson	Aug 10, 1821	6154913	69,707	180,540	8
Montana	MT	Jefferson City	Kansas City	Nov 8, 1889	1084225	147,040	380,831	2
Nebraska	NE	Helena	Billings	Mar 1, 1867	1961504	77,348	200,330	3
Nevada	NV	Lincoln	Omaha	Oct 31, 1864	3104614	110,572	286,380	4

Select a website of your choosing and import at least one table. Then submit a snapshot of your table view showing the data.

Column1	Column2
Nickname(s)	Men in Blue
Association	Board of Control for Cricket in India
Personnel	Personnel
Test captain	Rohit Sharma
One Day captain	Rohit Sharma
T20I captain	Suryakumar Yadav
Coach	Gautam Gambhir
History	History
Test status acquired	1931 (93 years ago) (1931)
International Cricket Council	International Cricket Council
ICC status	Full Member (1926)
ICC region	ACC
ICC Rankings Current[3] Best-everTest 2nd 1st (1 April 1973)ODI 1st 1st (January 2013)T20I 1st 1st[1][2] (28 March 2014)	ICC Rankings Current[3] Best-everTest 2nd 1st (1 April 1973)ODI 1st 1st (January 2013)T20I 1st 1st[1][2] (28 March 2014)
Tests	Tests
First Test	v England at Lord's, London: 25–28 June 1932
Last Test	v England at Himachal Pradesh Cricket Association Stadium, Dharamshala: 7–9 March 2024
Tests Played Won/LostTotal[4] 579 178/178 (222 draws, 1 tie)This year[5] 6 5/1 (0 draws)	Tests Played Won/LostTotal[4] 579 178/178 (222 draws, 1 tie)This year[5] 6 5/1 (0 draws)
World Test Championship appearances	2 (first in 2019–2021)
Best result	Runners-up(2019–21, 2021–23)
One Day Internationals	One Day Internationals
First ODI	v England at Headingley, Leeds: 13 July 1974
Last ODI	v Sri Lanka at R. Premadasa Stadium, Colombo: 7 August 2024
ODIs Played Won/LostTotal[6] 1,058 559/445(10 ties, 44 no results)This year[7] 3 0/2(1 tie, 0 no results)	ODIs Played Won/LostTotal[6] 1,058 559/445(10 ties, 44 no results)This year[7] 3 0/2(1 tie, 0 no results)
World Cup appearances	13 (first in 1975)
Best result	Champions(1983, 2011)
Twenty20 Internationals	Twenty20 Internationals
First T20I	v South Africa at Wanderers Stadium, Johannesburg: 1 December 2006
Last T20I	v Sri Lanka at Pallekele International Cricket Stadium, Kandy: 30 July 2024

Storytelling With Data

Fill in the blank...

6. What is exploratory analysis?

Exploratory analysis involves analyzing and investigating datasets to summarize their main characteristics, often through data visualization. It helps data scientists uncover patterns, detect anomalies, test hypotheses, and verify assumptions by manipulating data sources.

7. What is explanatory analysis?

Explanatory analysis uses visual tools to communicate insights and tell a story, focusing on making data understandable and actionable rather than just displaying it.

8. What are the three things to think about when it comes to explanatory analysis?

Three important considerations for explanatory analysis are ensuring the clarity of the message, understanding the audience, and using effective storytelling techniques.

9. What is the idea behind the 3-Minute Story and the Big Idea?

The 3-Minute Story aims to condense complex information into a brief, impactful narrative that conveys the key message clearly and quickly, useful in short meetings or presentations.

10. What did the author specifically point out as an important strategy when it comes to planning content?

A key strategy for planning content is to "start with the end in mind," ensuring that the message is clear and aligned with the desired outcome.