

The background features several abstract, organic shapes in shades of purple and blue. A large, irregular shape dominates the right side, with a smaller circular shape above it and another smaller shape in the bottom right corner. The colors transition from a light blue/purple at the edges to a darker purple in the center of the shapes.

# Cell Phone Recommend

what's you want?

# Objectives

**You want to purchase a cell phone ?**

## Specification?

You will give some specification about your phone . I will recommend you some phones.

## User's Rating?

According to your specification model check how many rating get that phone.

## Who love the phone?

Check out in which occupation and age group are using that phone mostly.

# Task

## Specification drop down list

Recommend some phone according to specification and make a chart for graphical representation.

## Rating idea

We show rating of all phone's user id according to you. so you will get more idea about the phone.

## Who like this

we show occupation , age group and sex that who like the phone most

# Solution

- Analyzed the cell phone data and figure out important column for recommendation.
- Apply macros for formatting.
- Create a pivot table and pivot chart with brand and price slicer and filter data from specification of customer.
- You can check rating of particular model which given by different users.
- You can also check who use that cell phone mostly.
- Now you get clear idea which cell phone is perfect fit for you.

# Methodology

## Specification drop down list:

- Figure out important column field
- Specification of RAM, O.S, main camera, battery and internal storage.
- Make slicer according to price and brand.
- Show all brand , model name and their price.

## Rating idea:

- Find out total cellphone id's and their model name from cell phone data sheet.
- Create a pivot table respectively cell phone id and the count of user id who give rating that particular phone.
- Show it in chart too.

## Who like this:

- Which age group and gender like that.
- Show they are from which occupation.



# Goals

Specification drop down list:

- Figure out important column field for our use

	C	D	E	F	G	H	I	J	K	L	M	N
1	model	operating system	internal memory	RAM	performance	main camera	selfie camera	battery size	screen size	weight	price	release date
13	Galaxy S22 Plus	Android	128	8	7.22	50	10	4500	6.6	195	89900	44617
14	Galaxy S22 Ultra	Android	128	8	9.68	108	40	5000	6.8	228	84000	44617
15	Galaxy Z Flip 3	Android	128	8	5.96	12	10	3300	6.7	183	89900	44419
16	Galaxy Z Fold 3	Android	256	12	6.35	12	4	4400	7.6	271	179900	44419
17	Pixel 6	Android	128	8	6.76	50	8	4614	6.4	207	49900	44497
18	Pixel 6a	Android	128	6	6.88	12	8	4410	6.1	178	44900	44398
19	Pixel 6 Pro	Android	128	12	7.19	50	11	5003	6.7	210	69900	44497
20	Pixel 6 Pro	Android	128	6	7.19	64	16	4500	6.4	173	39900	44679

	A	B	C	D	E	F	G	H	I
1	Brand	operating system	internal memory	RAM	main camera	battery size	price	cellphone_id	model
2	Apple	iOS	128	4	12	2018	₹ 42,900.00	0	iPhone SE (2022)
3	Apple	iOS	128	4	12	2438	₹ 69,900.00	1	iPhone 13 Mini
4	Apple	iOS	128	4	12	3240	₹ 69,900.00	2	iPhone 13
5	Apple	iOS	256	6	12	3065	₹ 99,900.00	3	iPhone 13 Pro
6	Apple	iOS	256	6	12	4352	₹ 1,19,900.00	4	iPhone 13 Pro Max
7	Apple	iOS	64	3	12	2942	₹ 23,600.00	5	iPhone XR
8	Asus	Android	128	8	64	4000	₹ 59,900.00	6	Zenfone 8
9	Google	Android	256	8	50	5000	₹ 15,499.00	7	Galaxy A12

# Goals

Specification drop down list:

- Specification of RAM, O.S, main camera, battery and internal storage.

A	B	C	D
Specifications you need	Features		
How much RAM you want?	RAM	(All)	▼
What MP camera you want?	main camera	(All)	▼
How much battery size you want?	battery size	(All)	▼
How much internal storage you want?	internal memory	(All)	▼
what O.S. you want?	operating system	(All)	▼

# Goals

Specification drop down list:

- Make slicer according to price and brand.
- Show all brand , model name and their price table and chart too.

Phone options according to your specification but please specify Brand and price too.

**price**

15400

19900

23600

**Brand**

Apple

Asus

Google

Sum of price	Brand	model	Total
	Apple	iPhone 13	69900
		iPhone 13 Mini	69900
		iPhone 13 Pro	99900
		iPhone 13 Pro Max	119900
		iPhone SE (2022)	42900
		iPhone XR	23600
	Google	Pixel 6	49900
		Pixel 6 Pro	69900
		Pixel 6a	44900
	OnePlus	10 Pro	78000
		10T	64900
		Nord 2T	37900
		Nord N20	29900
	Samsung	Galaxy A13	15400
		Galaxy A32	19900
		Galaxy A53	31200
		Galaxy S22	52800
		Galaxy S22 Plus	89900
		Galaxy S22 Ultra	84000
		Galaxy Z Flip 3	89900
		Galaxy Z Fold 3	179900

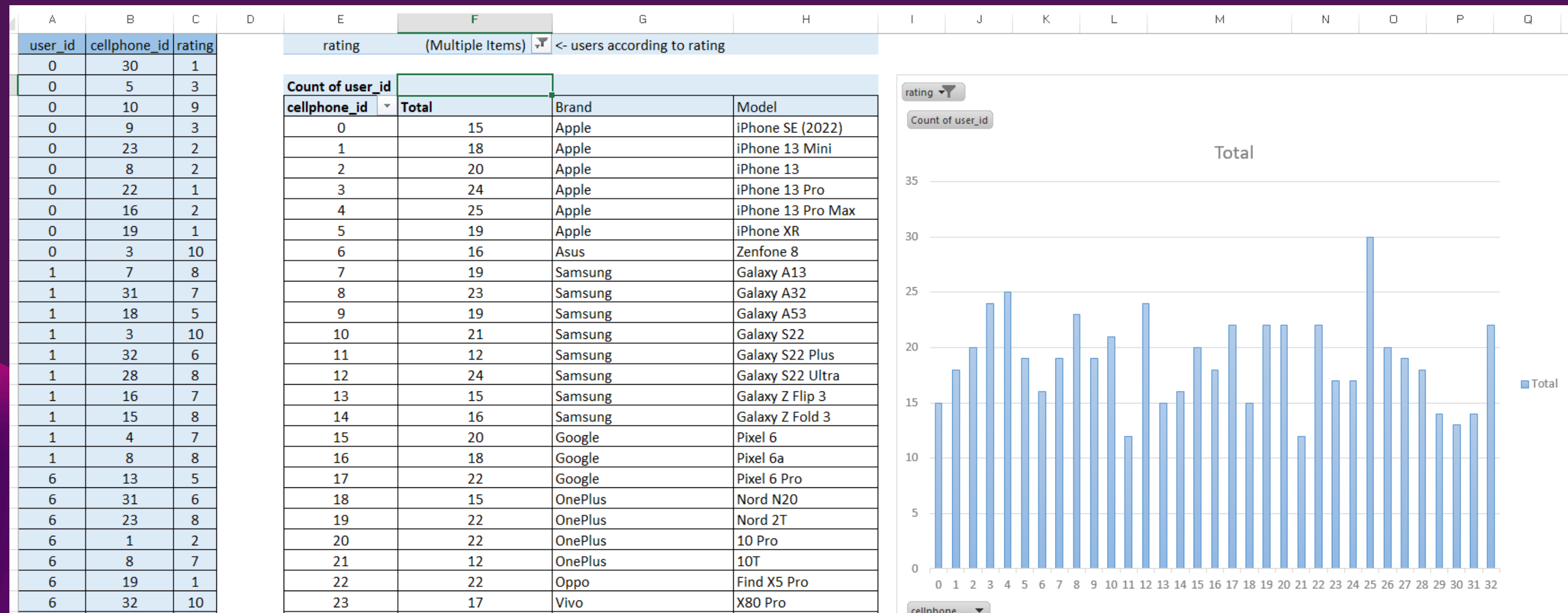




# Goals

Rating idea:

- Find out total cellphone id's and their model name from cell phone data sheet.
- Create a pivot table respectively cell phone id and the count of user id who give rating that particular phone.
- Show it in chart too.



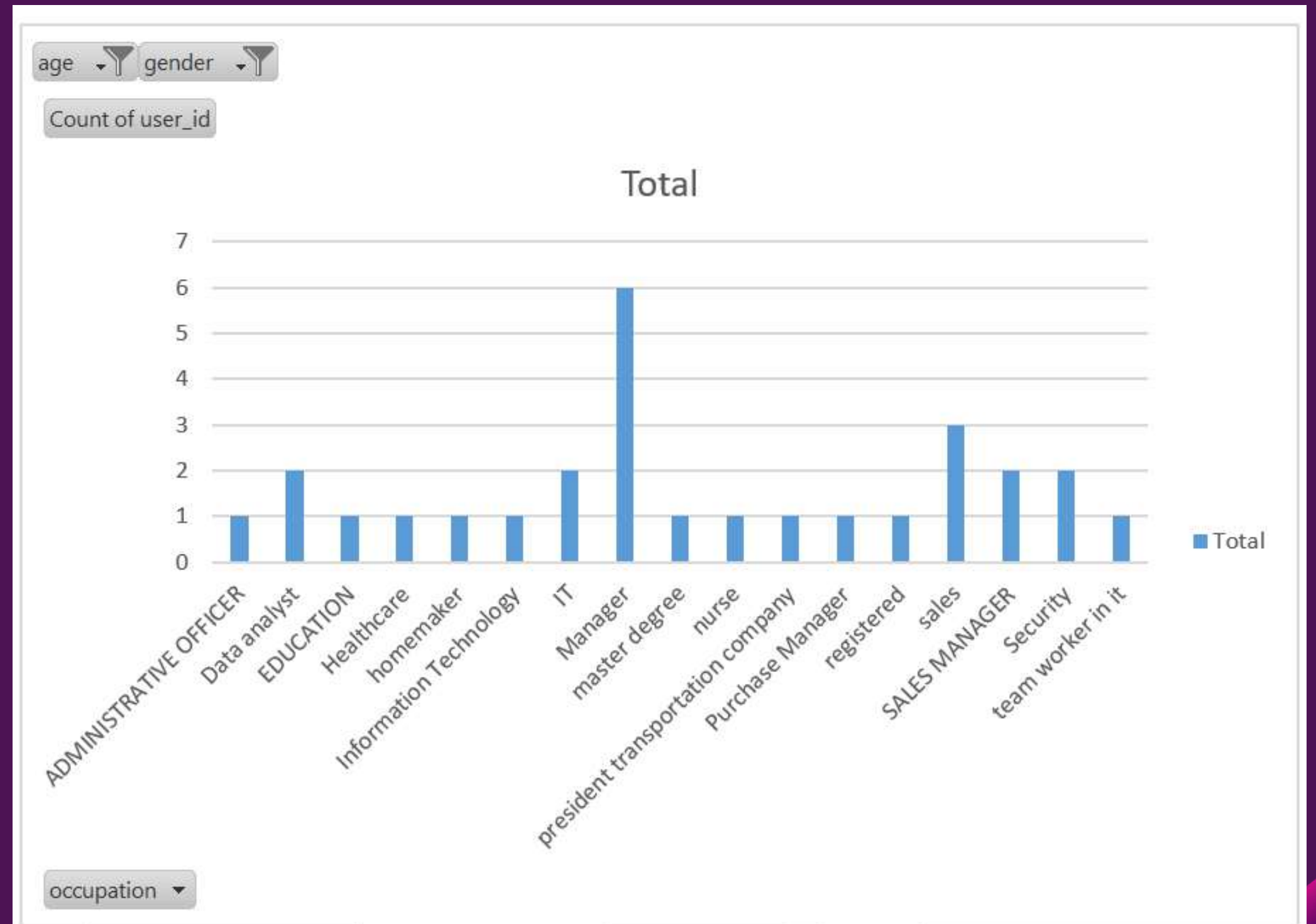
# Goals

Who like this:

- Which age group and gender like that.
- Show they are from which occupation.

age	(Multiple Items) ▾
gender	Female ▾

Row Labels ▾	Count of user_id
ADMINISTRATIVE OFFICER	1
Data analyst	2
EDUCATION	1
Healthcare	1
homemaker	1
Information Technology	1
IT	2
Manager	6
master degree	1
nurse	1
president transportation company	1
Purchase Manager	1
registered	1
sales	3
SALES MANAGER	2
Security	2
team worker in it	1
<b>Grand Total</b>	<b>28</b>





# Concept Used

- Filter data
- Conditional formatting
- Pivot table
- Pivot chart
- Slicer
- Currency formatting
- Combine two table data



# Conclusion

- Now are able to see cell phone according to your specification
- You can check rating with interactive manner of different cell phone before purchasing a phone.
- You can find out who like that particular phone.

# Project Owner

–Khushi Yadav

28–Feb–2023