SHARK TANK ANALYSIS

SQL CASE STUDY

DATA LOADING STEPS:

- **Data Acquisition**: Initially obtained the dataset from Kaggle, which was in an unclean state
- **Data Cleaning**: Utilized Python for comprehensive data cleaning, as the dataset could not be loaded directly into MySQL due to its unstructured nature.
- **Database Integration**: Connected Python to MySQL Workbench to facilitate data processing.
- **Data Loading**: Successfully loaded the cleaned data into MySQL Workbench for further analysis and manipulation.

Utilising Python for Cleaning the data

```
#IMPORTING LIBRARIES
import numpy as np
import pandas as pd


#LOADING DATA
data = pd.read_csv("Shark Tank India (impure).csv")
```

```
data
```

	Season_Number	Startup_Name	Episode_Number	Pitch_Number	Season_Start	Season_End	Original_Air_Date	Episode_Title	Anchor	
0	1	BluePineFoods	1	1	2021-12-20	2022-02-04	2021-12-20	Badlegi0Business0Ki0Tasveer	Rannvijay0Singh	
1	1	BoozScooters	1	2	2021-12-20	2022-02-04	2021-12-20	Badlegi0Business0Ki0Tasveer	Rannvijay0Singh	Vehicles
2	1	HeartUpMySleeves	1	3	2021-12-20	2022-02-04	2021-12-20	Badlegi0Business0Ki0Tasveer	Rannvijay0Singh	
3	1	TagzFoods	2	4	2021-12-20	2022-02-04	2021-12-21	Insaan,0Ideas0Aur0Sapne	Rannvijay0Singh	
4	1	HeadAndHeart	2	5	2021-12-20	2022-02-04	2021-12-21	Insaan,0Ideas0Aur0Sapne	Rannvijay0Singh	
...	...	...	...	...	...	...	...	...	...	
473	3	$KrishnaRama	51	474	2024-01-22	2024-03-31	2024-03-30	Brilliant0Businesses	Snehil0Dixit0Mehra	
474	3	Rentit4me	51	475	2024-01-22	2024-03-31	2024-03-30	Brilliant0Businesses	Snehil0Dixit0Mehra	
475	3	CoolTheGlobe	52	476	2024-01-22	2024-03-31	2024-03-31	Ecopreneur0Special	Snehil0Dixit0Mehra	
476	3	Canvaloop	52	477	2024-01-22	2024-03-31	2024-03-31	Ecopreneur0Special	Snehil0Dixit0Mehra	
477	3	DigitalPaani	52	478	2024-01-22	2024-03-31	2024-03-31	Ecopreneur0Special	Snehil0Dixit0Mehra	

478 rows × 52 columns

converting the required columns into datetime format

```
#CONVETTING DATA COLUMN IN DATE TIME DATATYPE.
data['Season_Start']=pd.to_datetime(data['Season_Start'])
data['Season_End']=pd.to_datetime(data['Season_End'])
data['Original_Air_Date']=pd.to_datetime(data['Original_Air_Date'])
```

Dropping Unnecessary columns

```
-NECESSARY COLUMNS
p(columns=['Company_Website','Original_Air_Date','Episode_Title','Gross_Margin','Net_Margin','EBITDA','Cash_Burn','SKUs','Has_Patents','Bootstrapped'],
```

Python

checking the null values

```
#CHECKING FOR NULL VALUES
data.isnull().sum()
```

```
Season_Number                  0
Startup_Name                   0
Episode_Number                 0
Pitch_Number                   0
Season_Start                   0
Season_End                     0
Original_Air_Date             31
Episode_Title                  0
Anchor                         0
Industry                       0
Business_Description           0
Company_Website               12
Started_in                   123
Number_of_Presenters           0
Male_Presenters               66
Female_Presenters            252
Transgender_Presenters       475
Couple_Presenters              5
Pitchers_Average_Age           0
Pitchers_City                  5
Pitchers_State                 4
Yearly_Revenue(in_lakhs)     237
Monthly_Sales(in_lakhs)      253
Gross_Margin                 349
Net_Margin                   405
```

```
...
Aman_Present                  58
Peyush_Present               171
Amit_Present                 341
Ashneer_Present              379
dtype: int64
```

Start Treating Null Values

```
#TREATING NULL VALUES OF STARTED_IN COLUMN
data['Started_in']=data['Started_in'].fillna("Not Mentioned")
```

```
#TREATING NULL VALUES FOR COLUMN.
data['Male_Presenters']=data['Male_Presenters'].fillna(0)
data['Female_Presenters']=data['Female_Presenters'].fillna(0)
data['Transgender_Presenters']=data['Transgender_Presenters'].fillna(0)
data['Couple_Presenters']=data['Couple_Presenters'].fillna(0)
data['Pitchers_City']=data['Pitchers_City'].fillna('Not Mentioned')
```

+ Code + Markdown

```
#TREATING NULL VALUES FOR COLUMN.
data['Pitchers_State']=data['Pitchers_State'].fillna('Not Mentioned')
data['Accepted_Offer']= data['Accepted_Offer'].fillna("No Offer Received.")
data['Total_Deal_Amount(in_lakhs)']= data['Total_Deal_Amount(in_lakhs)'].fillna(0)
data['Total_Deal_Equity(%)']= data['Total_Deal_Equity(%)'].fillna(0)
data['Number_of_Sharks_in_Deal']= data['Number_of_Sharks_in_Deal'].fillna(0)
data['Namita_Investment_Amount(in lakhs)']= data['Namita_Investment_Amount(in lakhs)'].fillna(0)
data['Vineeta_Investment_Amount(in_lakhs)']= data['Vineeta_Investment_Amount(in_lakhs)'].fillna(0)
data['Anupam_Investment_Amount(in_lakhs)']= data['Anupam_Investment_Amount(in_lakhs)'].fillna(0)
data['Aman_Investment_Amount(in_lakhs)']= data['Aman_Investment_Amount(in_lakhs)'].fillna(0)
data['Peyush_Investment_Amount((in_lakhs)']= data['Peyush_Investment_Amount((in_lakhs)'].fillna(0)
data['Amit_Investment_Amount(in_lakhs)']= data['Amit_Investment_Amount(in_lakhs)'].fillna(0)
```

```
data['Aman_Investment_Amount(in_lakhs)']= data['Aman_Investment_Amount(in_lakhs)'].fillna(0)
data['Peyush_Investment_Amount((in_lakhs)']= data['Peyush_Investment_Amount((in_lakhs)'].fillna(0)
data['Amit_Investment_Amount(in_lakhs)']= data['Amit_Investment_Amount(in_lakhs)'].fillna(0)
data['Ashneer_Investment_Amount']= data['Ashneer_Investment_Amount'].fillna(0)
data['Namita_Present']= data['Namita_Present'].fillna('No')
data['Vineeta_Present']= data['Vineeta_Present'].fillna('No')
data['Anupam_Present']= data['Anupam_Present'].fillna('No')
data['Aman_Present']= data['Aman_Present'].fillna('No')
data['Peyush_Present']= data['Peyush_Present'].fillna('No')
data['Amit_Present']= data['Amit_Present'].fillna('No')
data['Ashneer_Present']= data['Ashneer_Present'].fillna('No')
```

```
#TREATING NULL VALUES FOR  Yearly_Revenue(in_lakhs)  AND  Monthly_Sales(in_lakhs)
# np.mean(['Yearly_Revenue(in_lakhs)'])
data['Yearly_Revenue(in_lakhs)']=data['Yearly_Revenue(in_lakhs)'].fillna(0)
data['Monthly_Sales(in_lakhs)']=data['Monthly_Sales(in_lakhs)'].fillna(0)
```

```
#CLEANING  ANCHOR , INDUSTRY BUSINESS DESCRIPTION
data['Anchor']= data['Anchor'].str.replace('0',' ')
data['Industry']= data['Industry'].str.replace('0',' ')
data['Business_Description']=data['Business_Description'].str.replace('0',' ')
```

Again checking the null values, Now all the null values gets treated we will import the data in Mysql Workbench

```
#CHECKING FOR NULL VALUES.
data.isnull().sum()
```

```
Season_Number                       0
Startup_Name                        0
Episode_Number                      0
Pitch_Number                        0
Season_Start                        0
Season_End                          0
Anchor                              0
Industry                            0
Business_Description                0
Started_in                          0
Number_of_Presenters                0
Male_Presenters                     0
Female_Presenters                   0
Transgender_Presenters              0
Couple_Presenters                   0
Pitchers_Average_Age                0
Pitchers_City                       0
Pitchers_State                      0
Yearly_Revenue(in_lakhs)            0
Monthly_Sales(in_lakhs)             0
Original_Ask_Amount                 0
Original_Offered_Equity(in_%)       0
Valuation_Requested(in_lakhs)       0
Received_Offer                      0
```

Storing the cleaned data in new file (Sharktank.csv)

```
#NOW OUR DATA IS CLEAN AND READY TO USE , SO WE WILL DUMP THIS FILE.
data.to_csv('sharktank.csv', index=False)
```

Then connected Python with Mysql Workbech by using Mysql.connector

```
import mysql.connector
import csv

# Establish the connection
conn = mysql.connector.connect(
    host="localhost",
    user="root"
    password="
    database="mysql_python"
)

# Create a cursor object
cursor = conn.cursor()

# Create the table (if it doesn't exist)
create_table_query = """
CREATE TABLE sharktank (
    Season_Number INT,
    Startup_Name VARCHAR(255),
    Episode_Number INT,
    Pitch_Number INT,
    Season_Start DATE,
    Season_End DATE,
    Anchor VARCHAR(255),
    Industry VARCHAR(255),
    Business_Description VARCHAR(255),
    Started_in char(20),
```

Make a table using create table and execute it using execute query and commit it

```
cursor.execute(create_table_query)

# Commit the changes
conn.commit()

# Function to import CSV data into MySQL table
def import_csv_to_mysql(file_path):
    with open(file_path, mode='r', encoding='utf-8') as file:
        csv_data = csv.reader(file)
        next(csv_data)  # Skip the header row

        for row in csv_data:
            cursor.execute("""
                INSERT INTO sharktank(
    Season_Number, Startup_Name, Episode_Number, Pitch_Number, Season_Start, Season_End,
    Anchor, Industry, Business_Description, Started_in, Number_of_Presenters, Male_Presenters,
    Female_Presenters, Transgender_Presenters, Couple_Presenters, Pitchers_Average_Age,
    Pitchers_City, Pitchers_State, Yearly_Revenue_in_lakhs, Monthly_Sales_in_lakhs, Original_Ask_Amount,
    Original_Offered_Equity_in_percent, Valuation_Requested_in_lakhs, Received_Offer, Accepted_Offer,
    Total_Deal_Amount_in_lakhs, Total_Deal_Equity_percent, Number_of_Sharks_in_Deal,
    Namita_Investment_Amount_in_lakhs, Vineeta_Investment_Amount_in_lakhs, Anupam_Investment_Amount_in_lakhs,
    Aman_Investment_Amount_in_lakhs, Peyush_Investment_Amount_in_lakhs, Amit_Investment_Amount_in_lakhs,
    Ashneer_Investment_Amount, Namita_Present, Vineeta_Present, Anupam_Present, Aman_Present,
    Peyush_Present, Amit_Present, Ashneer_Present
) VALUES (
    %s, %s, %s, %s, %s, %s, %s,
    %s, %s, %s, %s, %s, %s, %s,
    %s, %s, %s, %s, %s, %s, %s,
    %s, %s, %s, %s, %s, %s, %s,
```

```
    # Commit the changes
    conn.commit()

# Path to your CSV file
csv_file_path = r'C:\Users\hp\Downloads\New folder (6)\sharktank.csv'

# Import the CSV data
import_csv_to_mysql(csv_file_path)

# Close the cursor and connection
cursor.close()
conn.close()
```

Now the Data is in Mysql

select * from sharktank

Season_Number	Startup_Name	Episode_Number	Pitch_Number	Season_Start	Season_End	Anchor	Industry	Business_Description	Started_in	Number_of_Presenters	Mal
1	BluePineFoods	1	1	2021-12-20	2022-02-04	Rannvijay Singh	Food	Frozen Momos	2016.0	3	2
1	BoozScooters	1	2	2021-12-20	2022-02-04	Rannvijay Singh	Vehicles/Electrical Vehicles	Renting e-bike for mobility in private spaces	2017.0	1	1
1	HeartUpMySleeves	1	3	2021-12-20	2022-02-04	Rannvijay Singh	Beauty/Fashion	Detachable Sleeves	2021.0	1	0
1	TagzFoods	2	4	2021-12-20	2022-02-04	Rannvijay Singh	Food	Healthy Potato Chips Snacks	2019.0	2	2
1	HeadAndHeart	2	5	2021-12-20	2022-02-04	Rannvijay Singh	Education	Brain Development Course	2015.0	4	1
1	Agritourism	2	6	2021-12-20	2022-02-04	Rannvijay Singh	Agriculture	Tourism	2005.0	2	1
1	qZenseLabs	3	7	2021-12-20	2022-02-04	Rannvijay Singh	Food	Food Freshness Detector	2020.0	2	0
1	Peeschute	3	8	2021-12-20	2022-02-04	Rannvijay Singh	Beauty/Fashion	Disposable Urine Bag	2019.0	1	1
1	NOCD	3	9	2021-12-20	2022-02-04	Rannvijay Singh	Food	Energy Drink	2019.0	2	2
1	CosIQ	4	10	2021-12-20	2022-02-04	Rannvijay Singh	Beauty/Fashion	Intelligent Skincare	2021.0	2	1
1	JhaJiAchaar	4	11	2021-12-20	2022-02-04	Rannvijay Singh	Food	Pickle	2021.0	2	0
1	Bummer	4	12	2021-12-20	2022-02-04	Rannvijay Singh	Beauty/Fashion	Underwear	2020.0	1	1
1	RevampMoto	5	13	2021-12-20	2022-02-04	Rannvijay Singh	Vehicles/Electrical Vehicles	E-Bike Mitra bud-e RM	2021.0	3	3
1	HungryHead	5	14	2021-12-20	2022-02-04	Rannvijay Singh	Food	Restaurant serving 8 types of Maggi	2013.0	2	2
1	ShrawaniEngineers	5	15	2021-12-20	2022-02-04	Rannvijay Singh	Beauty/Fashion	Belly Button Shaper	2019.0	2	1
1	SkippiIcePops	6	16	2021-12-20	2022-02-04	Rannvijay Singh	Food	Ice-Pops	2021.0	2	1
1	Menstrupedia	6	17	2021-12-20	2022-02-04	Rannvijay Singh	Education	Menstrual Awareness Comic	2012.0	2	1
1	Hecoll	6	18	2021-12-20	2022-02-04	Rannvijay Singh	Beauty/Fashion	Pollution Resistant Fabric - Healthy Cover ...	2019.0	1	0
1	RaisingSuperstars	7	19	2021-12-20	2022-02-04	Rannvijay Singh	Education	Child Development App	2020.0	2	1
1	Torch-it	7	20	2021-12-20	2022-02-04	Rannvijay Singh	Education	Gadgets for visually impaired people	2018.0	1	1

Lets perform some quesrtion on it

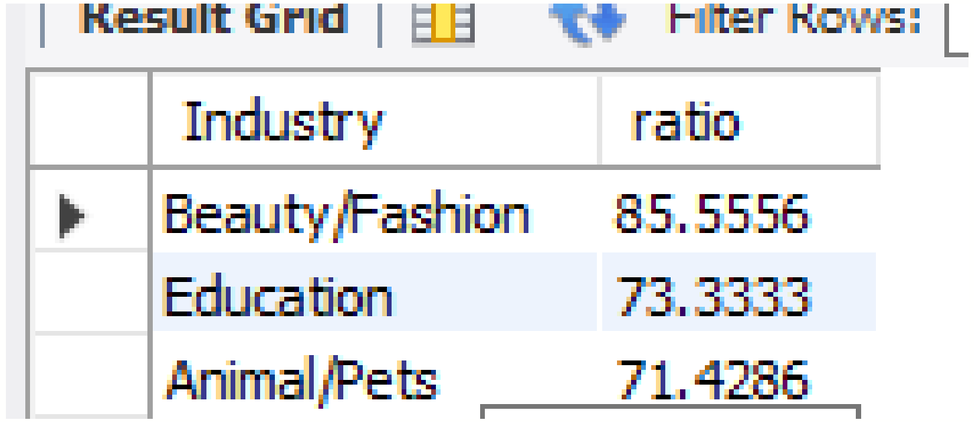
1) You Team have to promote shark Tank India season 4, The senior come up with the idea to show highest funding domain wise and you were assigned the task to show the same.

```
select max(funding),Industry from (
select Total_Deal_Amount_in_lakhs
as funding , Industry from sharktank
order by funding desc ) t group by
Industry;
```

max(funding)	Industry
200	Food
100	Vehicles/Electrical Vehicles
300	Beauty/Fashion
150	Education
75	Agriculture
250	Medical/Health
200	Manufacturing
200	Technology/Software
200	Electronics
60	Animal/Pets
150	Services
25	Hardware
80	Sports
200	Liquor/Beverages
150	Entertainment
100	Furnishing/Household
40	Others

2) You have been assigned the role of finding the domain where female as pitchers have female to male pitcher ratio >70%

```
select Industry,(female / male )* 100 as
ratio from (
select Industry, sum(Female_Presenters)
as 'female' , sum(Male_Presenters) as
'male'  from sharktank group by Industry
having sum(Female_Presenters)>0 and
sum(Male_Presenters)>0
)t
where (female / male )* 100 > 70;
```



Industry	ratio
Beauty/Fashion	85.5556
Education	73.3333
Animal/Pets	71.4286

3) As a venture capital firm specializing in investing in startups featured on a renowned entrepreneurship TV show,how would you determine the season with the highest average monthly sales and identify the top 5 industries with the highest average monthly sales during that season to optimize investment decisions?

```
WITH cte AS (
SELECT MAX(Season_Number) AS
max_season
FROM sharktank
)
SELECT Industry,
AVG(Monthly_Sales_in_lakhs) AS
avg_monthly_sales
FROM sharktank
WHERE Season_Number = (SELECT
max_season FROM cte)
GROUP BY Industry order by
avg_monthly_sales desc limit 5 ;
```

Result Grid | Filter Rows: | Export

Industry	avg_monthly_sales
Electronics	3500
Furnishing/Household	96.27272727272727
Beauty/Fashion	61.6507894616378
Food	41.28
Services	29

4) As a data scientist at our firm, your role involves solving real-world challenges like identifying industrieswith consistent increases in funds raised over multiple seasons. This requires focusing on industries where data is available across all three years.Once these industries are pinpointed, your task is to delve into the specifics, analyzing the number of pitches made, offers received, and offers converted per season within each industry.

```
WITH ValidIndustries AS
(SELECT industry,
MAX(CASE WHEN season_number = 1 THEN total_deal_amount_in_lakhs END)
AS season_1,
MAX(CASE WHEN season_number = 2 THEN total_deal_amount_in_lakhs END)
AS season_2,
MAX(CASE WHEN season_number = 3 THEN total_deal_amount_in_lakhs END)
AS season_3
FROM sharktank
GROUP BY industry
HAVING season_3 > season_2 AND season_2 > season_1 AND season_1 != 0
)
```

```
select * from sharktank as t  inner join
validindustries as v on t.industry=
v.industry ;
SELECT
t.season_number,
t.industry,
COUNT(t.startup_Name) AS Total,
COUNT(CASE WHEN
t.received_offer = 'Yes' THEN
t.startup_Name END) AS Received,
COUNT(CASE WHEN
t.accepted_offer = 'Yes' THEN
t.startup_Name END) AS Accepted
FROM sharktank AS t
JOIN ValidIndustries AS v ON
t.industry = v.industry
GROUP BY t.season_number,
t.industry;
```

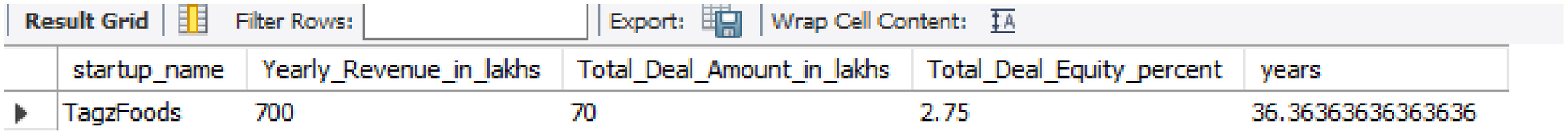
Industry	season_number	pitches_made	offer_received	offer_accepted
Agriculture	1	2	1	1
Agriculture	2	1	1	1
Agriculture	3	1	1	1
Beauty/Fashion	1	26	17	14
Beauty/Fashion	2	31	24	20
Beauty/Fashion	3	38	25	20
Medical/Health	1	9	7	5
Medical/Health	2	15	14	13
Medical/Health	3	13	12	12

5) Every shark want to know in how much year their investment will be returned, so you have to create a system for them , where shark will enter the name of the startup's and the based on the total deal and equity given in how many years their principal amount will be returned.

```
delimiter //
create procedure ROI( in startup varchar(100))
begin
 case
when (select Accepted_offer ='No' from sharktank where startup_name = startup)
then  select 'Turn Over time cannot be calculated';
when (select Accepted_offer ='yes' and Yearly_Revenue_in_lakhs = 0 from sharktank where startup_name= startup)
then select 'Previous data is not available';
else
select `startup_name`,`Yearly_Revenue_in_lakhs`,`Total_Deal_Amount_in_lakhs`,`Total_Deal_Equity_percent`,
 `Total_Deal_Amount_in_lakhs`/((`Total_Deal_Equity_percent`/100)*`Total_Deal_Amount_in_lakhs`) as 'years'
from sharktank where Startup_Name= startup;

end case;
end
//
DELIMITER ;
```

```
call ROI('TagzFoods');
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

startup_name	Yearly_Revenue_in_lakhs	Total_Deal_Amount_in_lakhs	Total_Deal_Equity_percent	years
TagzFoods	700	70	2.75	36.36363636363636

6) In the world of startup investing, we're curious to know which big-name investor, often referred to as "sharks," tends to put the most money into each deal on average. This comparison helps us see who's the most generous with their investments and measure up against their fellow investors.

```
select sharkname, round(avg(investment),2)  as 'average' from
(
SELECT `Namita_Investment_Amount_in_lakhs` AS investment, 'Namita' AS sharkname FROM sharktank
WHERE `Namita_Investment_Amount_in_lakhs` > 0
union all
SELECT `Vineeta_Investment_Amount_in_lakhs` AS investment, 'Vineeta' AS sharkname FROM sharktank
WHERE `Vineeta_Investment_Amount_in_lakhs` > 0
union all
SELECT `Anupam_Investment_Amount_in_lakhs` AS investment, 'Anupam' AS sharkname FROM sharktank
WHERE `Anupam_Investment_Amount_in_lakhs` > 0
union all
SELECT `Aman_Investment_Amount_in_lakhs` AS investment, 'Aman' AS sharkname FROM sharktank
WHERE `Aman_Investment_Amount_in_lakhs` > 0
union all
```

```
SELECT `Peyush_Investment_Amount_in_lakhs` AS investment, 'peyush' AS sharkname FROM
sharktank WHERE `Peyush_Investment_Amount_in_lakhs` > 0
union all
SELECT `Amit_Investment_Amount_in_lakhs` AS investment, 'Amit' AS sharkname FROM sharktank
WHERE `Amit_Investment_Amount_in_lakhs` > 0
union all
SELECT `Ashneer_Investment_Amount` AS investment, 'Ashneer' AS sharkname FROM sharktank
WHERE `Ashneer_Investment_Amount` > 0
)k group by sharkname
```

Result Grid | Filter Rows:

sharkname	average
Namita	32.94
Vineeta	31.25
Anupam	29.99
Aman	34.18
peyush	35.06
Amit	35.27
Ashneer	25.68

7) Develop a system that accepts inputs for the season number and the name of a shark. The procedure will then provide detailed insights into the total investment made by that specific shark across different industries during the specified season. Additionally, it will calculate the percentage of their investment in each sector relative tothe total investment in that year, giving a comprehensive understanding of the shark's investment distribution and impact.

```
DELIMITER //
create PROCEDURE getseason_investment(IN season INT, IN sharkname VARCHAR(100))
BEGIN

CASE        WHEN sharkname = 'namita' THEN
set @total = (select  sum(`Namita_Investment_Amount_in_lakhs`) from sharktank where
Season_Number= season );
SELECT Industry, sum(`Namita_Investment_Amount_in_lakhs`) as 'sum' ,
(sum(`Namita_Investment_Amount_in_lakhs`)/@total)*100 as 'Percent' FROM sharktank WHERE
season_Number = season AND `Namita_Investment_Amount_in_lakhs` > 0
group by industry;
WHEN sharkname = 'Vineeta' THEN
SELECT industry,sum(`Vineeta_Investment_Amount_in_lakhs`) as 'sum' FROM sharktank WHERE
season_Number = season AND `Vineeta_Investment_Amount_in_lakhs` > 0
group by industry;
WHEN sharkname = 'Anupam' THEN
SELECT industry,sum(`Anupam_Investment_Amount_in_lakhs`) as 'sum' FROM sharktank WHERE
season_Number = season AND `Anupam_Investment_Amount_in_lakhs` > 0
group by Industry;
WHEN sharkname = 'Aman' THEN
```

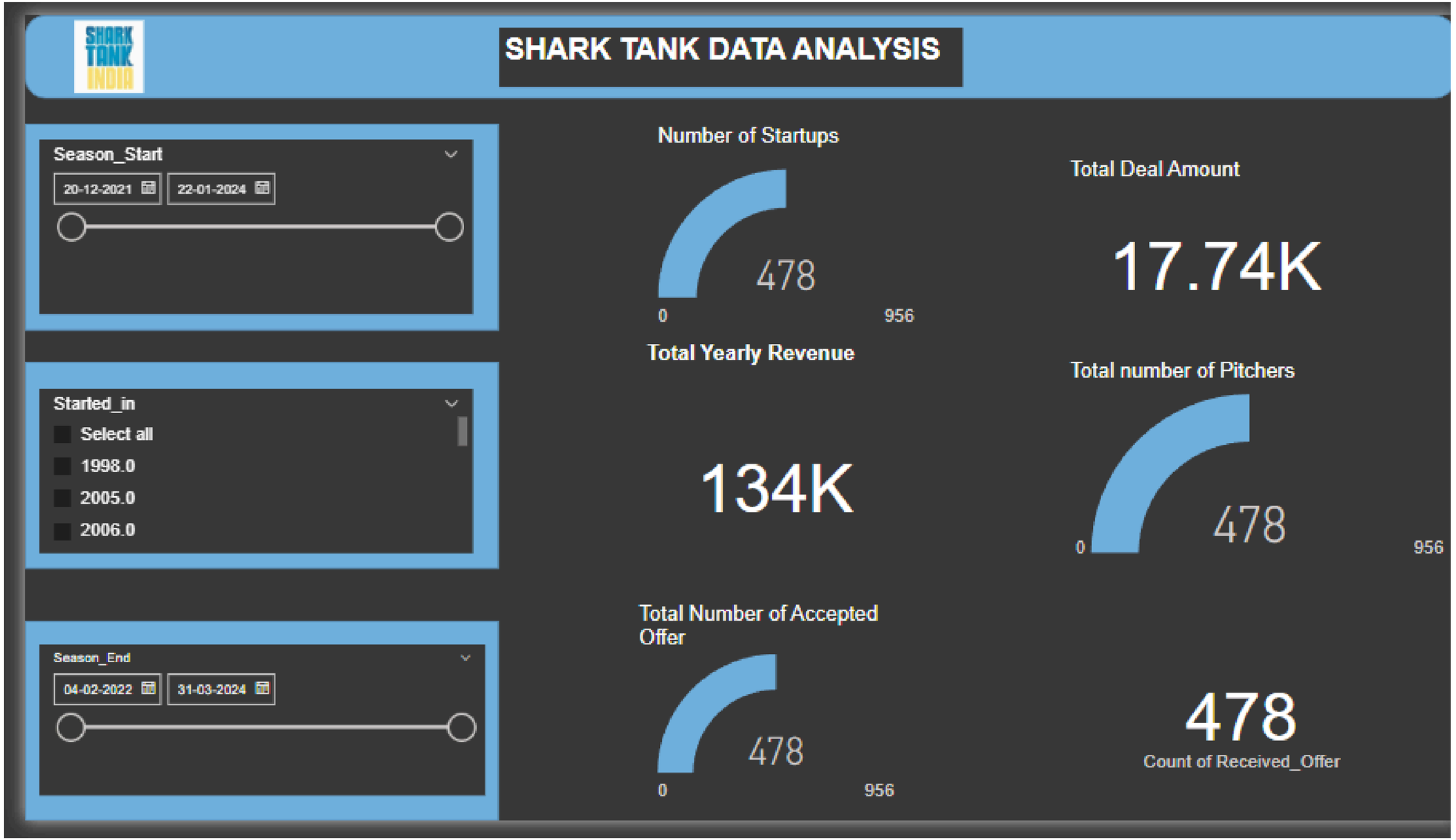
```
SELECT industry,sum(`Aman_Investment_Amount_in_lakhs_`) as 'sum'  FROM sharktank WHERE season_Number =
season AND `Aman_Investment_Amount_in_lakhs_` > 0
group by Industry;
WHEN sharkname = 'Peyush' THEN
SELECT industry,sum(`Peyush_Investment_Amount_in_lakhs`) as 'sum'  FROM sharktank WHERE
season_Number = season AND `Peyush_Investment_Amount_in_lakhs` > 0
group by Industry;
WHEN sharkname = 'Amit' THEN
SELECT industry,sum(`Amit_Investment_Amount_in_lakhs`) as 'sum'   WHERE season_Number = season AND
`Amit_Investment_Amount_in_lakhs` > 0
group by Industry;
WHEN sharkname = 'Ashneer' THEN
SELECT industry,sum(`Ashneer_Investment_Amount`)  FROM sharktank WHERE season_Number = season AND
`Ashneer_Investment_Amount` > 0
group by Industry;
ELSE
SELECT 'Invalid shark name';
END CASE;

END //
DELIMITER ;
call getseason_investment(2, 'Anupam')
```

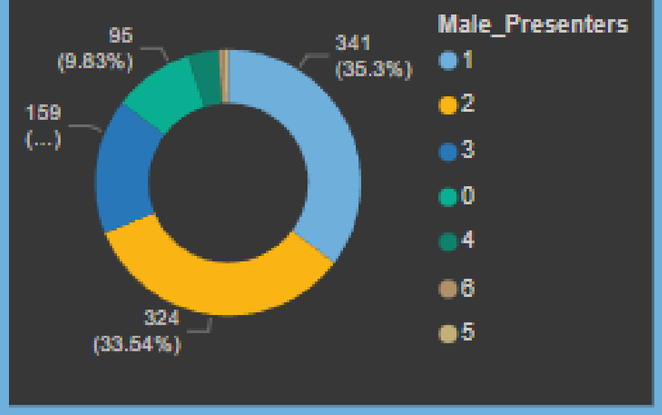
Result Grid | Filter Rows: | Export:

industry	sum
Food	240
Electronics	50
Beauty/Fashion	260
Liquor/Beverages	12.5
Manufacturing	56.5
Services	45
Vehicles/Electrical Vehicles	33.33000183105469
Technology/Software	70
Furnishing/Household	50
Medical/Health	97.5

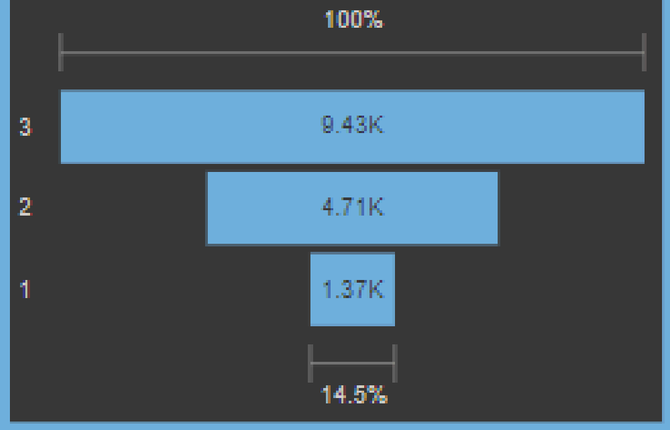
Power BI Dashboard



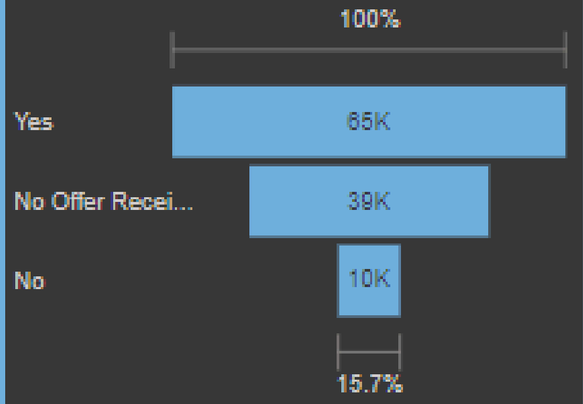
Number of Male Presenters



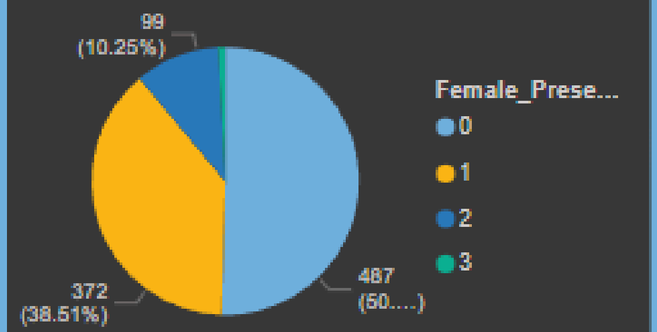
Monthly sales divided by Season



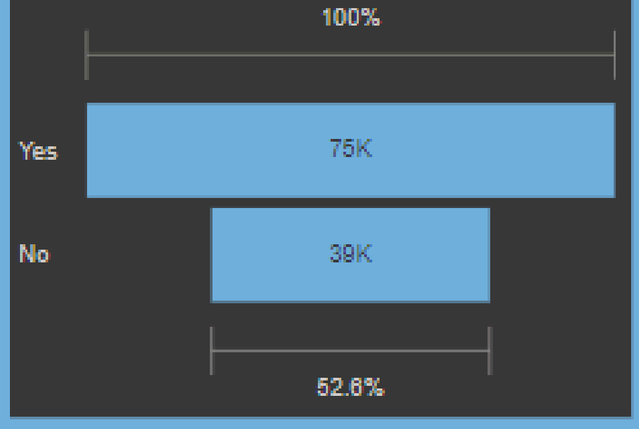
Pitch Number by Accepted Offer



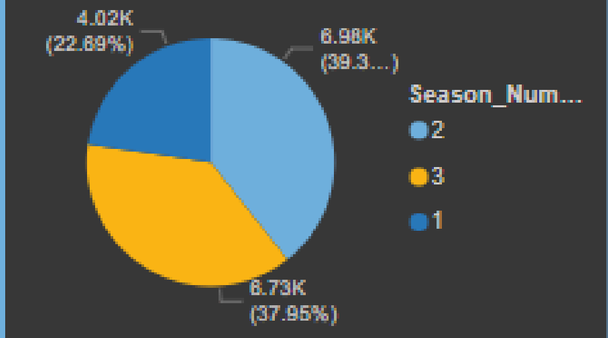
Number of Female Presenters

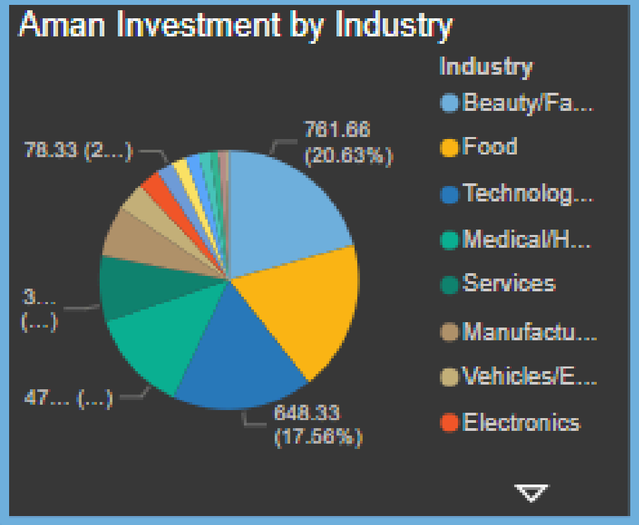


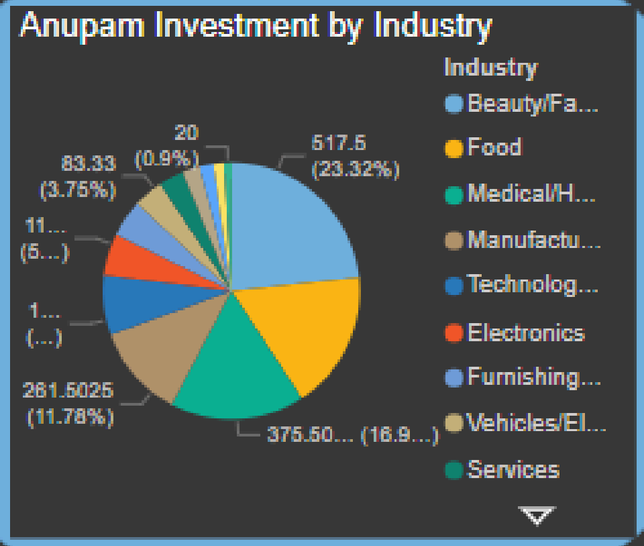
Pitch Number by Received Offer

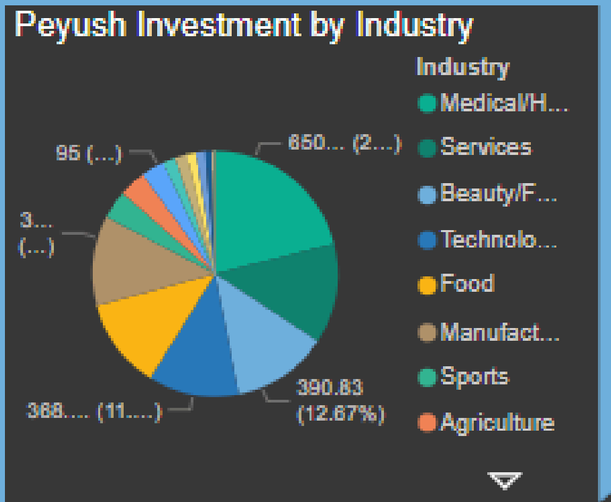


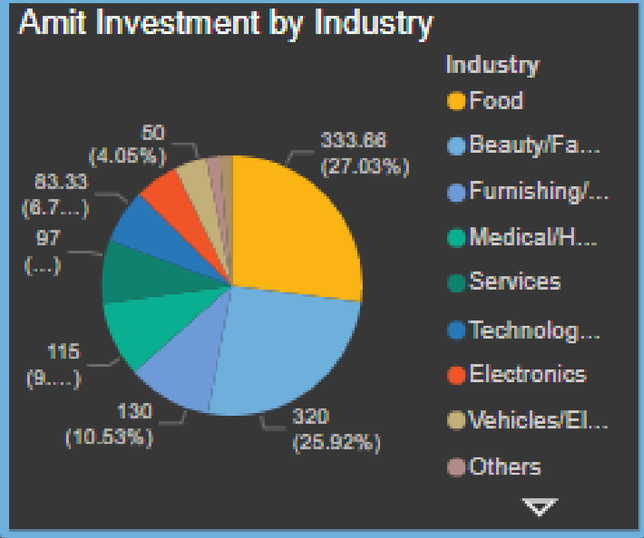
Total Deal Amount by Season Number

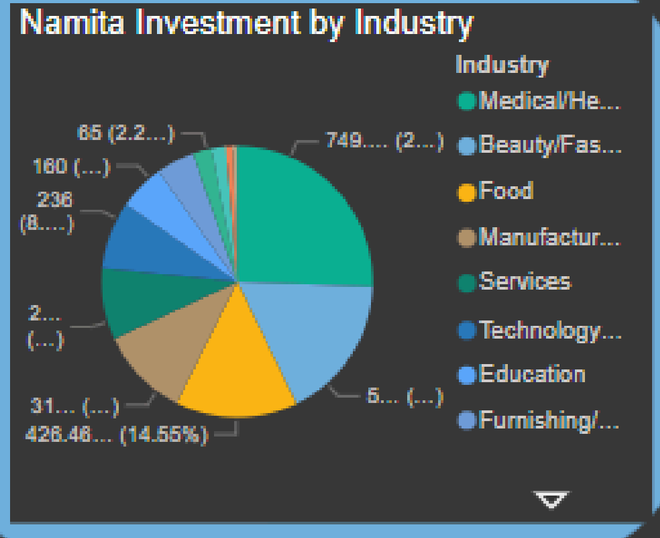


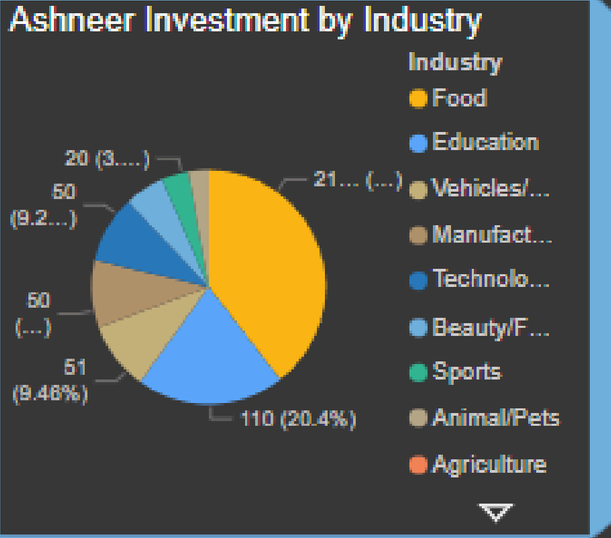

Aman Investment by Industry
Industry
Beauty/Fa...
Food
Technolog...
Medical/H...
Services
Manufactu...
Vehicles/E...
Electronics
761.66 (20.63%)
78.33 (2...)
3... (...)
47... (...)
648.33 (17.56%)


Anupam Investment by Industry
Industry
Beauty/Fa...
Food
Medical/H...
Manufactu...
Technolog...
Electronics
Furnishing...
Vehicles/El...
Services
517.5 (23.32%)
20 (0.9%)
83.33 (3.75%)
11... (5...)
1... (...)
281.5025 (11.78%)
375.50... (16.9...)

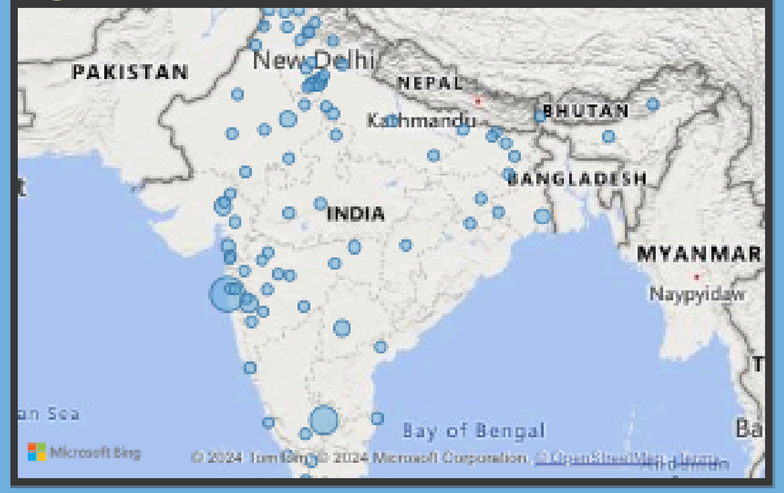

Peyush Investment by Industry
Industry
Medical/H...
Services
Beauty/F...
Technolo...
Food
Manufact...
Sports
Agriculture
650... (2...)
95 (...)
3... (...)
368.... (11....)
390.83 (12.67%)


Amit Investment by Industry
Industry
Food
Beauty/Fa...
Furnishing/...
Medical/H...
Services
Technolog...
Electronics
Vehicles/El...
Others
333.66 (27.03%)
50 (4.05%)
83.33 (6.7...)
97 (...)
115 (9....)
130 (10.53%)
320 (25.92%)


Namita Investment by Industry
Industry
Medical/He...
Beauty/Fas...
Food
Manufactur...
Services
Technology...
Education
Furnishing/...
749.... (2...)
65 (2.2...)
160 (...)
236 (8....)
2... (...)
31... (...)
426.46... (14.55%)
5... (...)


Ashneer Investment by Industry
Industry
Food
Education
Vehicles/...
Manufact...
Technolo...
Beauty/F...
Sports
Animal/Pets
Agriculture
21... (...)
20 (3....)
50 (9.2...)
50 (...)
51 (9.46%)
110 (20.4%)

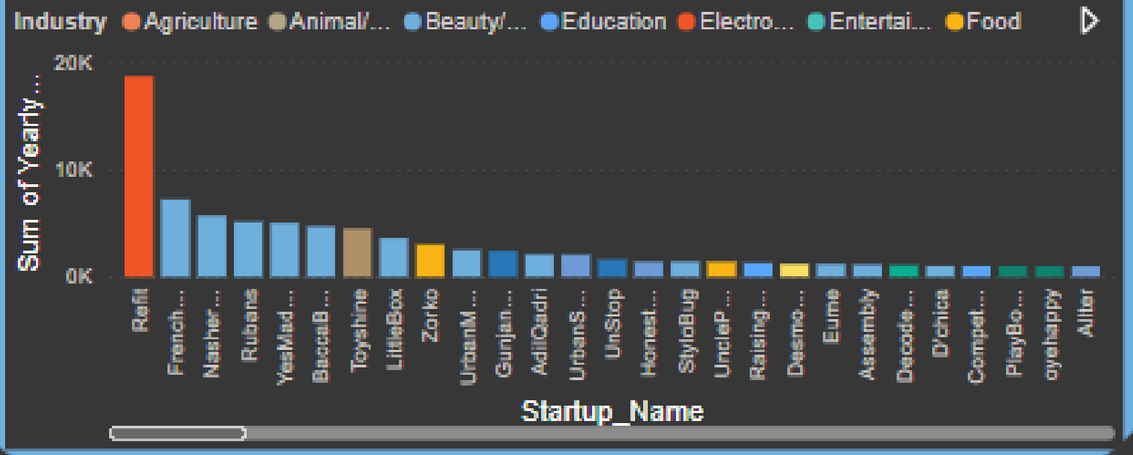
city of Pitchers



Sum of Pitch_Number	Pitchers_Average_Age	Received_Offer	Accepted_Offer
32780	Middle	No	No Offer Received.
7401	Middle	Yes	No
50369	Middle	Yes	Yes
392	Old	No	No Offer Received.
342	Old	Yes	Yes
6294	Young	No	No Offer Received.
2769	Young	Yes	No
14134	Young	Yes	Yes
114481			

State of Pitchers

Yearly Revenue by Startup Name and Industry



INSIGHTS:

1) From 2021 to 2024, a total of 478 startups participated in the Shark Tank program. During this period, the startups generated a cumulative yearly revenue of $134,000 and secured a total deal amount of $17,740.

2) The show featured at least 2 to 3 male presenters and at least one or no female presenter during the seasons from 2021 to 2024.

3) Season 3 of the Shark Tank program saw a higher volume of sales compared to other seasons from 2021 to 2024.

4) Season 2 of the Shark Tank program had the highest total deal amount compared to the other seasons within the 2021 to 2024 timeframe.

5) Investments by Sharks:

-- Aman: Food, Beauty, Technology, Medical

-- Peyush: Medical, Services

-- Amit: Food, Beauty/Fashion, Furnishing, Medical/Health

-- Namita: Food, Beauty/Fashion

-- Ashneer: Food, Education, Vehicles, Manufacturing

6) New Delhi, Mumbai, and Bangalore are recognized as major hubs for startup activity in the context of Shark Tank, attracting a significant number of participants and investments in various industries.

7) The agriculture and beauty/fashion industries have been major contributors to yearly revenue among the startups featured on Shark Tank from 2021 to 2024.

THANKYOU