

## **SHARK TANK ANALYSIS**

**### CREATE A DATABASE NAMED "PROJECT" AND IMPORT THE DATASET FILE.**

```
SELECT * FROM PROJECT..DATA;
```

--- Total Number Of Episodes

```
SELECT COUNT (DISTINCT EpNo) FROM PROJECT..DATA;
```

--- Total Number Of Pitches

```
SELECT COUNT(DISTINCT BRAND) FROM PROJECT..DATA;
```

--- Pitches Converted

```
'''SELECT SUM(A.NOT_CONVERTED), COUNT(*) FROM (  
SELECT (AMOUNTINVESTEDLAKHS) , CASE WHEN (AMOUNTINVESTEDLAKHS) > 0  
THEN 1 ELSE 0 END AS NOT_CONVERTED FROM PROJECT..DATA) A;'''
```

```
SELECT CAST(SUM (A.NOT_CONVERTED) AS FLOAT)/CAST (COUNT(*) AS FLOAT)  
FROM (  
SELECT (AMOUNTINVESTEDLAKHS) , CASE WHEN (AMOUNTINVESTEDLAKHS) > 0  
THEN 1 ELSE 0 END AS NOT_CONVERTED FROM PROJECT..DATA) A;
```

--- Total Number Of Male Participants

```
SELECT SUM(MALE) FROM PROJECT..DATA;
```

--- Total Number Of female Participants

```
SELECT SUM(FEMALE) FROM PROJECT..DATA;
```

--- Gender Ratio

```
SELECT SUM(MALE) / SUM(FEMALE) FROM PROJECT..DATA;
```

--- Total Invested Amount

```
SELECT SUM(AMOUNTINVESTEDLAKHS) FROM PROJECT..DATA;
```

--- Average Equity Taken By The Sharks

```
SELECT AVG(A.EQUITYTAKENP) FROM (
```

```
SELECT * FROM PROJECT..DATA WHERE EQUITYTAKENP > 0) A;
```

--- Highest Deal

```
SELECT MAX(AMOUNTINVESTEDLAKHS) FROM PROJECT..DATA;
```

--- Highest Equity Taken

```
SELECT MAX(EQUITYTAKENP) FROM PROJECT..DATA;
```

--- Startups having at least women

```
SELECT SUM(A.FEMALE_COUNT) FROM (  
SELECT FEMALE, CASE WHEN FEMALE > 0 THEN 1 ELSE 0 END AS FEMALE_COUNT  
FROM PROJECT..DATA) A;
```

--- Pitches converted having at least one women

```
SELECT SUM(B.FEMALE_COUNT) FROM(  
  
SELECT CASE WHEN A.FEMALE >0 THEN 1 ELSE 0 END AS FEMALE_COUNT, A.*  
FROM(  
(SELECT * FROM PROJECT..DATA WHERE DEAL != 'NO DEAL')) A)B;
```

--- Average team members

```
SELECT AVG(TEAMMEMBERS) FROM PROJECT..DATA;
```

--- Amount invested per deal

```
SELECT AVG(A.AMOUNTINVESTEDLAKHS) AS AMOUNT_INVESTED_PER_DEAL FROM  
(SELECT * FROM PROJECT..DATA WHERE DEAL <> 'NO DEAL')A;
```

--- Average age group of participants

```
SELECT AVGAGE, COUNT(AVGAGE) CNT FROM PROJECT..DATA GROUP BY AVGAGE  
ORDER BY CNT DESC;
```

--- Location group of participants

```
SELECT LOCATION, COUNT(LOCATION) CNT FROM PROJECT..DATA GROUP BY  
LOCATION ORDER BY CNT DESC;
```

--- Sector group of participants

```
SELECT SECTOR, COUNT(SECTOR) CNT FROM PROJECT..DATA GROUP BY SECTOR
ORDER BY CNT DESC;
```

--- Partner deals

```
SELECT PARTNERS, COUNT(PARTNERS) CNT FROM PROJECT..DATA WHERE PARTNERS
<> '-' GROUP BY PARTNERS ORDER BY CNT DESC;
```

--- Making the metrix

--- SELECT \* FROM PROJECT..DATA;

```
SELECT 'ASHNEER' AS KEYY, COUNT(ASHNEERAMOUNTINVESTED) FROM
PROJECT..DATA WHERE ASHNEERAMOUNTINVESTED IS NOT NULL;
```

```
SELECT 'ASHNEER' AS KEYY, COUNT(ASHNEERAMOUNTINVESTED) FROM
PROJECT..DATA WHERE ASHNEERAMOUNTINVESTED IS NOT NULL
AND ASHNEERAMOUNTINVESTED <> 0;
```

```
SELECT 'ASHNEER' AS KEYY, SUM(A.ASHNEERAMOUNTINVESTED), AVG
(A.ASHNEEREQUITYTAKENP) FROM
(SELECT* FROM PROJECT..DATA WHERE ASHNEEREQUITYTAKENP <> 0 AND
ASHNEEREQUITYTAKENP IS NOT NULL) A;
```

```
SELECT
M.KEYY,M.TOTAL_DEALS_PRESENT,M.TOTAL_DEALS,N.TOTAL_AMOUNT_INVESTED,N.A
VG_EQUITY_TAKEN FROM
```

```
(SELECT A.KEYY,A.TOTAL_DEALS_PRESENT,b.TOTAL_DEALS FROM(
```

```
SELECT 'ASHNEER' AS KEYY,COUNT(ASHNEERAMOUNTINVESTED)
TOTAL_DEALS_PRESENT FROM PROJECT..DATA
WHERE ASHNEERAMOUNTINVESTED IS NOT NULL) A
```

```
INNER JOIN (
SELECT 'ASHNEER' AS KEYY,COUNT(ASHNEERAMOUNTINVESTED) TOTAL_DEALS FROM
PROJECT..DATA
WHERE ASHNEERAMOUNTINVESTED IS NOT NULL AND ASHNEERAMOUNTINVESTED !=0)
B
```

```
ON A.KEYY=B.KEYY) M
```

INNER JOIN

```
(SELECT 'ASHNEER' as KEYY, SUM(C.ASHNEERAMOUNTINVESTED)
TOTAL_AMOUNT_INVESTED,
AVG(C.ASHNEEREQUITYTAKENP) AVG_EQUITY_TAKEN
FROM (SELECT * FROM PROJECT..DATA WHERE ASHNEEREQUITYTAKENP!=0 AND
ASHNEEREQUITYTAKENP IS NOT NULL) C) n
```

ON M.KEYY=N.KEYY

--- Which is the startup in which the highest amount has been invested  
in each domain/sector

```
SELECT C.* FROM
(SELECT BRAND, SECTOR, AMOUNTINVESTEDLAKHS, RANK() OVER(PARTITION BY
SECTOR ORDER BY
AMOUNTINVESTEDLAKHS DESC) RNK
```

```
FROM PROJECT..DATA) C
```

```
WHERE C.RNK=1
```