

```
# -- 1. Count & Percentage of F vs M that have OCD & -- Average Obsession Score by Gender
```

```
with data as (
```

```
SELECT
Gender,
count('Patient ID') as patient_count,
round(avg('Y-BOCS Score (Obsessions)'),2) as avg_obs_score
```

```
FROM health_data.ocd_patient_dataset
```

```
Group By 1
```

```
Order by 2
```

```
)
```

```
select
```

```
sum(case when Gender = 'Female' then patient_count else 0 end) as count_female,
sum(case when Gender = 'Male' then patient_count else 0 end) as count_male,
```

```
round(sum(case when Gender = 'Female' then patient_count else 0 end)/
(sum(case when Gender = 'Female' then patient_count else 0 end)+sum(case when Gender = 'Male' then patient_count else 0 end)) *100,2)
as pct_female,
```

```
round(sum(case when Gender = 'Male' then patient_count else 0 end)/
(sum(case when Gender = 'Female' then patient_count else 0 end)+sum(case when Gender = 'Male' then patient_count else 0 end)) *100,2)
as pct_male
```

```
from data
```

```
;
```

```
# -- 2. Count of Patients by Ethnicity and their respective Average Obsession Score
```

```
select
```

```
Ethnicity,
count('Patient ID') as patient_count,
avg('Y-BOCS Score (Obsessions)') as obs_score
```

```
From health_data.ocd_patient_dataset
```

```
Group by 1
```

```
Order by 2;
```

```
# -- 3. Number of people diagnosed with OCD Months over Months
```

```
alter table health_data.ocd_patient_dataset
```

```
modify `OCD Diagnosis Date` date;
```

```
select
```

```
date_format('OCD Diagnosis Date', '%Y-%m-01 00:00:00') as month,
```

```
-- `OCD Diagnosis Date`
```

```
count('Patient ID') patient_count
```

```
from health_data.ocd_patient_dataset
```

```
group by 1
```

```
Order by 1
```

```
;
```

```
# -- 4. What is the most common Obsession Type (Count) & it's respective Average Obsession Score
```

```
Select
```

```
`Obsession Type`,
count('Patient ID') as patient_count,
round(avg('Y-BOCS Score (Obsessions)'),2) as obs_score
```

```
from health_data.ocd_patient_dataset
```

```
group by 1
```

```
Order by 2
```

```
;
```

```
# -- 5. What is the most common Compulsion type (Count) & it's respective Average Obsession Score
```

```
Select
```

```
`Compulsion Type`,
count('Patient ID') as patient_count,
round(avg('Y-BOCS Score (Obsessions)'),2) as obs_score
```

```
from health_data.ocd_patient_dataset
```

```
group by 1
```

```
Order by 2
```

```
;
```

