

# PostGre SQL Query

**select \* from fraudulent**

-- How Many Transactions occurred per Transaction type

select count(type) as number\_of\_transactions from fraudulent

group by type

order by number\_of\_transactions desc

**-- Which Transaction type have the highest number of fraudulent Transactions**

select count(type) as number\_of\_transactions from fraudulent

where isfraud = 1

group by type

order by number\_of\_transactions desc

**-- What is the average Fraudulent Transaction Amount**

select round(avg(amount)) from fraudulent

where isfraud = 1

**-- What is the maximum Fraudulent Transaction Amount**

select max(amount) from fraudulent

where isfraud = 1

**-- What is the minimum Fraudulent Transaction Amount**

select min(amount) from fraudulent

where isfraud = 1

**-- Top 10 Customers with the highest Amount Defrauded**

select nameorig, sum(amount) as highest\_amount from fraudulent

where isfraud = 1

## PostGre SQL Queryry

group by nameorig  
order by highest\_amount desc  
limit 10

### -- How effective is the bank in flagging Fraud

select sum(isflaggedfraud) as flaggedasFraud, sum(isfraud) as fraud,  
sum(isfraud)/sum(isflaggedfraud) as effectiveness  
from fraudulent

--OR

Select isflaggedfraud, amount from fraudulent  
where amount > 200

### -- WWho are the Top 20 Fraudstars,

Select namedest, sum(amount) as total\_amount from fraudulent  
where isfraud = 1  
group by namedest  
order by sum(amount) desc  
limit 20