Education for All Fundraising

SQL Insights

A

Query | Query History

```sql
--a) How much is the total donation?
select sum(donation)as total_donation
from donation_data;

```

Data Output | Messages | Notifications

	total_donation bigint
1	249085

SQL Insights

B

```sql
--b) What is the total donation by gender?
select gender, sum(donation) as total_donation
from donation_data
group by gender;
```

Data Output | Messages | Notifications

	gender character varying (50)	total_donation bigint
1	Female	121457
2	Male	127628

SQL Insights

c

```sql
--c) Show the total donation and number of donations by gender
select gender, count(gender) as gender_count,sum(donation)Total_donation
from donation_data
group by gender;
```

ta Output | Messages | Notifications

gender character varying (50)	gender_count bigint	total_donation bigint
Female	508	121457
Male	492	127628

SQL Insights

D

Query | Query History

```sql
--d) Total donation made by frequency of donation
select sum(d.donation) as total_donation,r.donation_frequency
from donation_data d
right join donor_data r
on d."id"=r."id"
group by donation_frequency

```

Data Output | Messages | Notifications

	total_donation bigint	donation_frequency character varying (100)
1	32666	Once
2	31645	Weekly
3	29249	Daily
4	35266	Yearly
5	30650	Seldom
6	26870	Monthly
7	28476	Often
8	34263	Never

SQL Insights

E

```sql
--e) Total donation and number of donation by Job field
select sum(donation) as total_donation,count(id) as no_of_donation,job_field
from donation_data
group by job_field;

```

Data Output | Messages | Notifications

	total_donation bigint	no_of_donation bigint	job_field character varying (50)
2	21721	84	Training
3	22798	90	Product Management
4	22862	84	Research and Development
5	22266	94	Business Development
6	19009	83	Sales
7	19475	79	Support
8	17309	66	Legal
9	20504	80	Accounting
10	19858	80	Services
11	23060	93	Human Resources
12	21968	93	Engineering

Total rows: 12 of 12 | Query complete 00:00:00.059 | Ln 2, Col 67

SQL Insights

F

```sql
--f) Total donation and number of donations above $200
select donation,sum(donation) as total_donation,count(id)as No_ofDonation
from donation_data
where donation >200
group by donation;

```

Data Output | Messages | Notifications

	donation integer	total_donation bigint	no_ofdonation bigint
1	351	1053	3
2	477	477	1
3	273	1092	4
4	394	394	1
5	272	544	2
6	350	700	2
7	314	628	2
8	386	772	2
9	426	852	2
10	431	862	2
11	278	556	2

Total rows: 255 of 255 | Query complete 00:00:00.050 | Ln 2, Col 74

SQL Insights

G

```sql
--g) Total donation and number of donations below $200
select donation,sum(donation) as total_donation,count(id)as No_ofDonation
from donation_data
where donation <200
group by donation;

```

Data Output | Messages | Notifications

	donation integer	total_donation bigint	no_ofdonation bigint
1	184	920	5
2	87	435	5
3	51	204	4
4	70	70	1
5	190	950	5
6	169	507	3
7	176	352	2
8	92	92	1
9	180	720	4
10	22	66	3
11	156	156	1

Total rows: 165 of 165 | Query complete 00:00:00.062 | Ln 4, Col 17

SQL Insights

H

```sql
--h) Which top 10 states contributes the highest donations
select  "state",sum(donation)as top_donation
from donation_data
group by "state"
order by top_donation desc
Limit 10;
```

Data Output | Messages | Notifications

	state character varying (50)	top_donation bigint
1	California	30264
2	Texas	24097
3	Florida	20562
4	New York	14759
5	Virginia	10750
6	Illinois	8674
7	District of Columbia	8376
8	Tennessee	8316
9	Georgia	8046
10	Ohio	6876

SQL Insights

```sql
--i) Which top 10 states contributes the least donations
select"state", sum (donation) as Least_donation
from donation_data
group by "state"
order by Least_donation asc
Limit 10;
```

Data Output | Messages | Notifications

	state character varying (50)	least_donation bigint
1	Wyoming	232
2	Maine	258
3	South Dakota	401
4	North Dakota	651
5	Alaska	734
6	West Virginia	793
7	South Carolina	819
8	New Hampshire	841
9	Hawaii	875
10	Montana	1009

SQL Insights

J

```sql
--j) What are the top 10 cars driven by the highest donors

select  d.first_name,d.last_name,r.car,sum(donation)as top_donation
from donation_data d
join donor_data r
on
d.id=r.id
group by d.last_name,d.first_name,R.car
order by top_donation desc
Limit 10;
```

Data Output | Messages | Notifications

	first_name character varying (50)	last_name character varying (50)	car character varying (100)	top_donation bigint
1	Beverlie	Andriesse	Ford	500
2	Wallie	Leather	Lexus	500
3	Peder	Rilton	Mazda	499
4	Clevie	Camilletti	Buick	499
5	Worthy	Le feaver	MINI	498
6	Amalea	Knill	Hyundai	497
7	Corbett	Lansdale	Dodge	494
8	Tonnie	Stockney	Chevrolet	494
9	Nathaniel	McGenn	GMC	494
10	Corbin	Rawne	Mercedes-Benz	493

K . EXTRA

SQL Insights

```sql
--Names,job field ,university,donation_frequency,gender,state of top 10 donor and amount donated

select  d.first_name,d.last_name,r.car,sum(donation)as donations,r.donation_frequency,
d.gender,r.university, d.state,d.job_field
from donation_data d
join donor_data r
on
d.id=r.id
group by d.last_name,d.first_name,R.car,d.gender,r.university, d.state,d.job_field,r.donation_frequency
order by donations desc
Limit 10;

```

Data Output | Messages | Notifications

	first_name character varying (50)	last_name character varying (50)	car character varying (100)	donations bigint	donation_frequency character varying (100)	gender character varying (50)	university character varying (100)	sta ch
1	Beverlie	Andriesse	Ford	500	Often	Male	College of New Caledonia	M
2	Wallie	Leather	Lexus	500	Daily	Male	Colegio de San Juan de Letran	N
3	Clevie	Camilletti	Buick	499	Monthly	Female	Universidad Nacional de Colombia	Vi
4	Peder	Rilton	Mazda	499	Often	Female	Methodist College	De
5	Worthy	Le feaver	MINI	498	Never	Male	[null]	W
6	Amalea	Knill	Hyundai	497	Yearly	Male	[null]	N
7	Corbett	Lansdale	Dodge	494	Never	Female	[null]	Ca
8	Tonnie	Stockney	Chevrolet	494	Once	Male	[null]	Ca
9	Nathaniel	McGenn	GMC	494	Yearly	Male	Foundation University	Ca
10	Beverlee	Camacke	Ford	493	Once	Male	University of Chester	M

Recommendations

To increase the number of donors to the charity, Education for All,

- We need to raise awareness about the importance of Education, by leveraging social media platforms to reach more audiences and creating compelling stories about the impact of their donations, especially in the top 10 states with the highest donations
- To increase the donation frequency of donors, we need to give The donors recognition and exclusive updates on their donations by mail or other messaging platforms, reminding them of the impact of their donations and how important they are to the recipients.
- To increase the value of donations, we need to create a user-friendly fundraising website and provide different donation options to cater to different preferences and also create automated payment methods, allowing them to make payments easily with their credit/debit card, This will help increase donation and donation frequency.