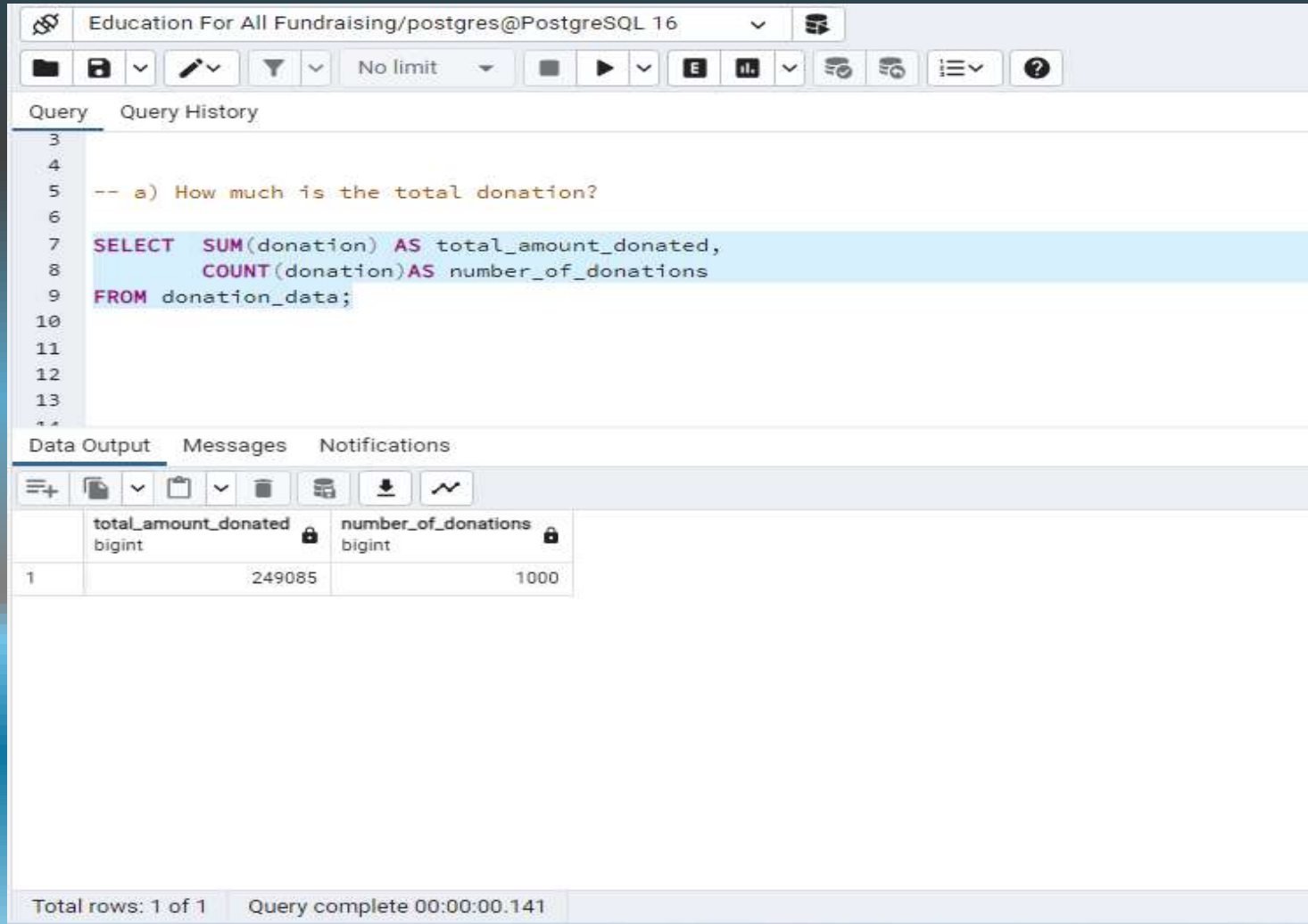


# Education For All Fundraising Report

1. Total Donation: \$249,085



The screenshot shows a PostgreSQL query editor interface. The title bar indicates the connection is to 'Education For All Fundraising/postgres@PostgreSQL 16'. The query editor contains the following SQL code:

```
-- a) How much is the total donation?  
  
SELECT SUM(donation) AS total_amount_donated,  
       COUNT(donation) AS number_of_donations  
FROM donation_data;
```

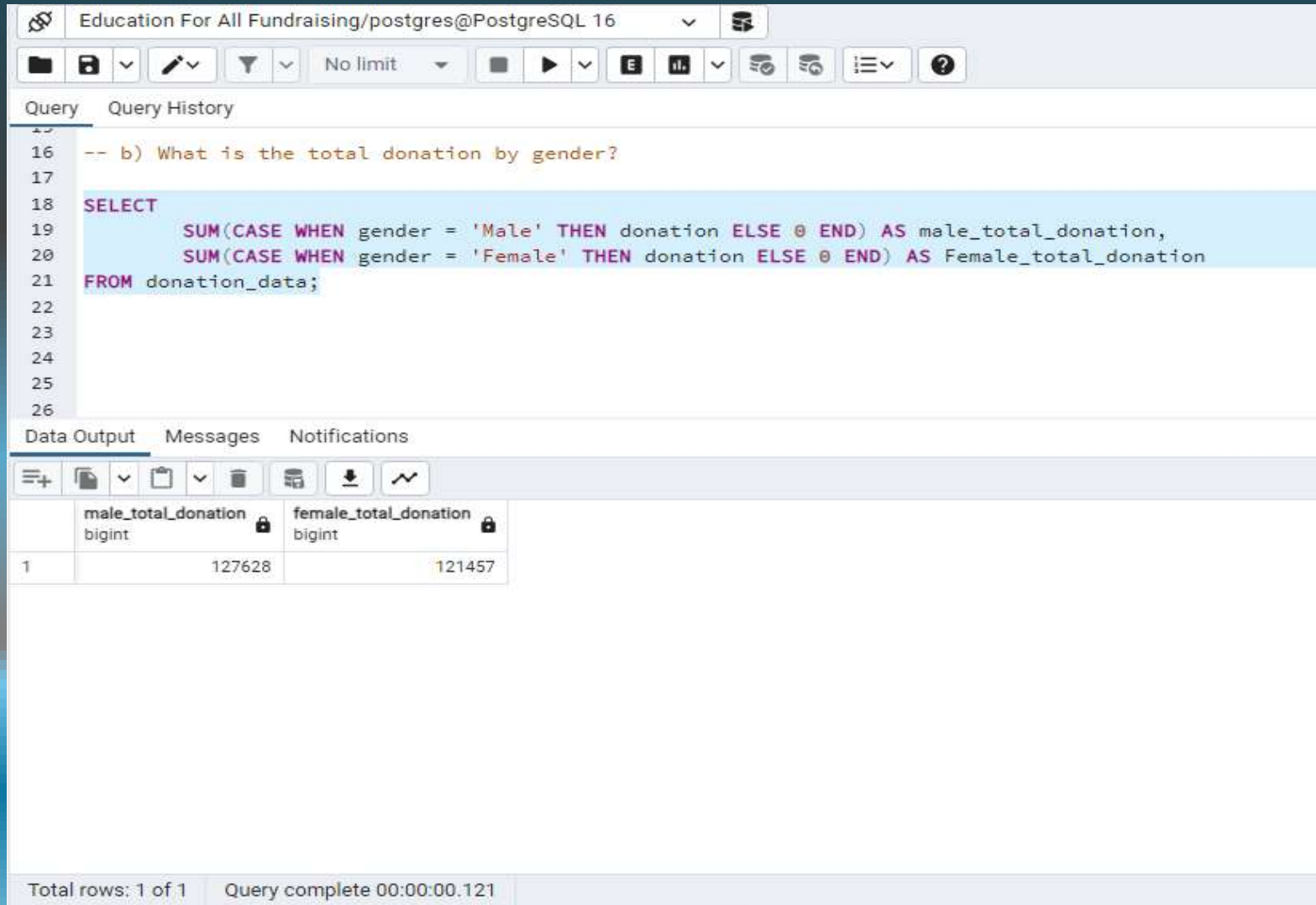
Below the query editor, the 'Data Output' tab is active, displaying the results of the query in a table format. The table has two columns: 'total\_amount\_donated' (bigint) and 'number\_of\_donations' (bigint). The results show a total amount of 249085 and 1000 donations.

	total_amount_donated bigint	number_of_donations bigint
1	249085	1000

At the bottom of the interface, the status bar shows 'Total rows: 1 of 1' and 'Query complete 00:00:00.141'.

2. Total Donation By Male: \$127,628

Total Donation By Female: \$121,457



The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
-- b) What is the total donation by gender?  
  
SELECT  
    SUM(CASE WHEN gender = 'Male' THEN donation ELSE 0 END) AS male_total_donation,  
    SUM(CASE WHEN gender = 'Female' THEN donation ELSE 0 END) AS Female_total_donation  
FROM donation_data;
```

The results are displayed in a table with two columns: `male_total_donation` and `female_total_donation`, both of type `bigint`. The first row shows the total donation for males as 127628 and for females as 121457.

	male_total_donation bigint	female_total_donation bigint
1	127628	121457

Total rows: 1 of 1    Query complete 00:00:00.121

3. Total Donation By Male: \$127,628

Number of Donations By Male: 492

Total Donation By Female: \$121,457

Number of Donations By Female: 508

Education For All Fundraising/postgres@PostgreSQL 16

Query Query History

```
-- c) Show the total donation and number of donations by gender
SELECT dona.gender,
       COUNT(dona.donation) AS number_of_donations,
       SUM(CASE WHEN gender = 'Male' THEN donation ELSE 0 END) AS male_total_donations,
       SUM(CASE WHEN gender = 'Female' THEN donation ELSE 0 END) AS female_total_donations
FROM donation_data dona
GROUP BY dona.gender;
```

Data Output Messages Notifications

	gender character varying (50)	number_of_donations bigint	male_total_donations bigint	female_total_donations bigint
1	Female	508	0	121457
2	Male	492	127628	0

Total rows: 2 of 2 Query complete 00:00:00.095

#### 4. Total Donation Made By Frequency of Donation

Education For All Fundraising/postgres@PostgreSQL 16

Query Query History

```
37
38 -- d) Total donation made by frequency of donation
39
40 SELECT
41     dono.donation_frequency,
42     SUM(dona.donation) AS total_amount_donated
43 FROM donation_data dona
44 JOIN donor_data dono
45 ON dona.id = dono.id
46 GROUP BY dono.donation_frequency;
47
```

Data Output Messages Notifications

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

Total rows: 8 of 8 Query complete 00:00:00.213

## 5. Total Donation and Number of Donation by Job Field

Education For All Fundraising/postgres@PostgreSQL 16

Query Query History

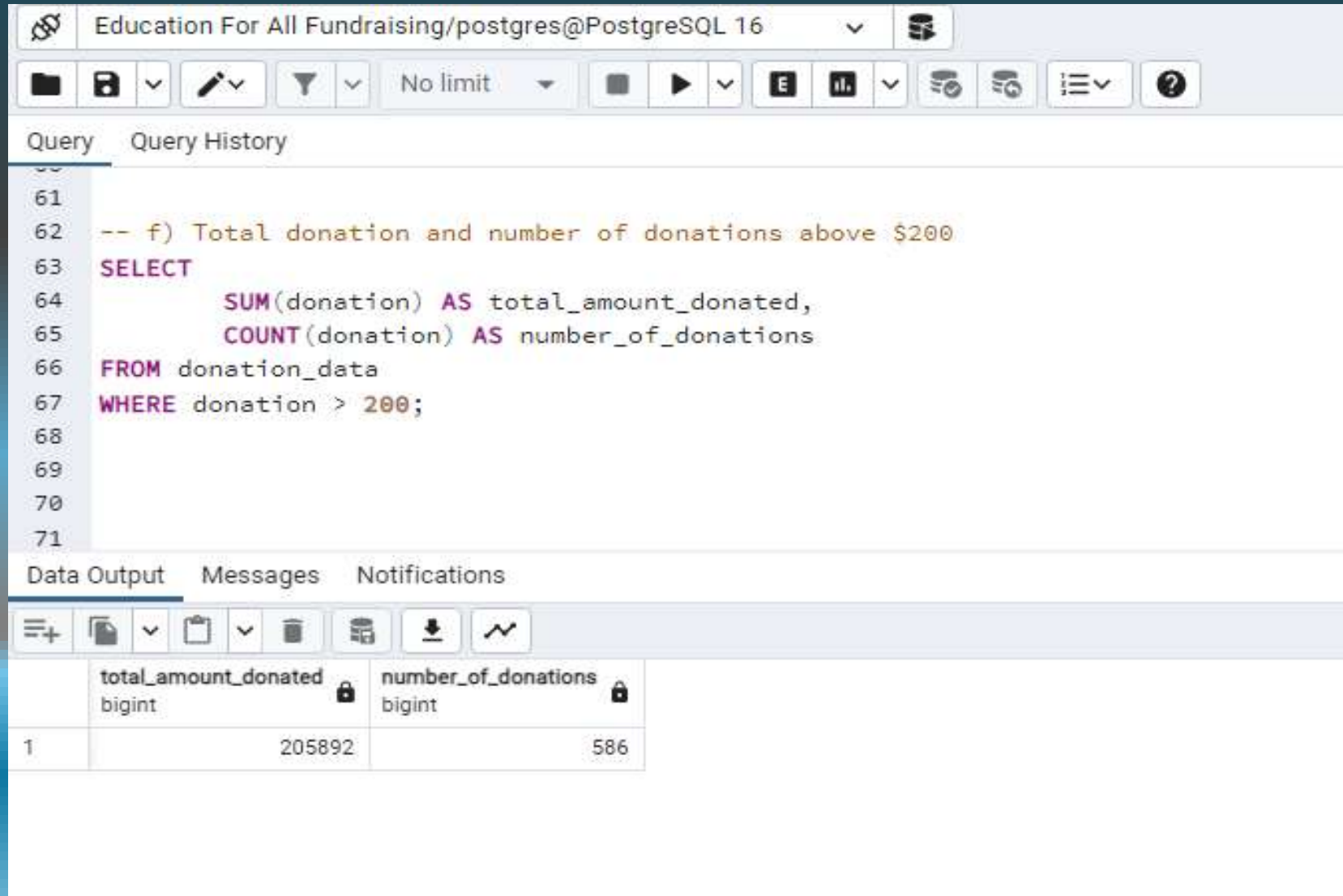
```
49 -- e) Total donation and number of donation by Job field
50
51 SELECT
52     job_field,
53     SUM(donation) AS total_amount_donated,
54     COUNT(donation) AS number_of_donations
55 FROM donation_data
56 GROUP BY job_field
57 ORDER BY total_amount_donated DESC;
```

Data Output Messages Notifications

	job_field character varying (50)	total_amount_donated bigint	number_of_donations bigint
1	Human Resources	23060	93
2	Research and Development	22862	84
3	Product Management	22798	90
4	Business Development	22266	94
5	Engineering	21968	93
6	Training	21721	84
7	Accounting	20504	80
8	Services	19858	80
9	Support	19475	79
10	Sales	19009	83
11	Marketing	18255	74
12	Legal	17309	66

Total rows: 12 of 12 Query complete 00:00:00.149

6. Total Donation: \$205,892    Number of Donations Above \$200: 586



The screenshot shows a PostgreSQL query editor interface. The title bar indicates the connection is to 'Education For All Fundraising/postgres@PostgreSQL 16'. The query editor displays a SQL query that calculates the total donation amount and the number of donations above \$200. The query is as follows:















```
61
62 -- f) Total donation and number of donations above $200
63 SELECT
64     SUM(donation) AS total_amount_donated,
65     COUNT(donation) AS number_of_donations
66 FROM donation_data
67 WHERE donation > 200;
68
69
70
71
```

Below the query editor, the 'Data Output' tab is active, showing the results of the query. The results are displayed in a table with two columns: 'total\_amount\_donated' and 'number\_of\_donations', both of type 'bigint'. The first row shows a total amount of 205892 and 586 donations above \$200.

	total_amount_donated bigint	number_of_donations bigint
1	205892	586

7. Total Donation: \$42,593    Number of Donations Below \$200: 411















Education For All Fundraising/postgres@PostgreSQL 16



Query    Query History

```
73
74 -- g) Total donation and number of donations below $200
75 SELECT
76     SUM(donation) AS total_amount_donated,
77     COUNT(donation) AS number_of_donations
78 FROM donation_data
79 WHERE donation < 200;
80
81
82
83
```

Data Output    Messages    Notifications



	total_amount_donated bigint	number_of_donations bigint
1	42593	411

## 8. Top 10 States With the Highest Donations

Education For All Fundraising/postgres@PostgreSQL 16

Query Query History

```
-- h) Which top 10 states contributes the highest donations

SELECT state,
       SUM(donation) AS total_amount_donated
FROM donation_data
GROUP BY state
ORDER BY total_amount_donated DESC
LIMIT 10;
```

Data Output Messages Notifications

	state character varying (50)	total_amount_donated 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

Total rows: 10 of 10 Query complete 00:00:00.327



## 9. Top 10 States With the Least Donations

Education For All Fundraising/postgres@PostgreSQL 16

Query Query History

```
94
95
96 -- i) Which top 10 states contributes the least donations
97
98 SELECT state,
99         SUM(donation) AS total_amount_donated
100 FROM donation_data
101 GROUP BY state
102 ORDER BY total_amount_donated ASC
103 LIMIT 10;
104
```

Data Output Messages Notifications

	state character varying (50)	total_amount_donated 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

Total rows: 10 of 10 Query complete 00:00:00.147

## 10. Top 10 Cars Driven by the Highest Donors

Education For All Fundraising/postgres@PostgreSQL 16

Query Query History

```
101 -- j) What are the top 10 cars driven by the highest donors
102 SELECT dona.id,
103        dona.first_name,
104        dona.last_name,
105        dona.donation AS total_amount_donated,
106        dono.car
107 FROM donation_data dona
108 JOIN donor_data dono
109 ON dona.id = dono.id
110 ORDER BY total_amount_donated DESC
111 LIMIT 10;
```

Data Output Messages Notifications

	id integer	first_name character varying (50)	last_name character varying (50)	total_amount_donated integer	car character varying (100)
1	139	Beverlie	Andriesse	500	Ford
2	264	Wallie	Leather	500	Lexus
3	769	Peder	Rilton	499	Mazda
4	35	Clevie	Camilletti	499	Buick
5	480	Worthy	Le feaver	498	MINI
6	965	Amalea	Knill	497	Hyundai
7	500	Corbett	Lansdale	494	Dodge
8	969	Nathaniel	McGenn	494	GMC
9	76	Tonnie	Stockney	494	Chevrolet
10	941	Corbin	Rawne	493	Mercedes-Benz

Total rows: 10 of 10 Query complete 00:00:00.115

## **Results/Findings**

1. Total amount donated is \$249,085 and a total of 1000 donations were made.
2. Male donors donated \$127,628 in 492 donations.
3. Female donors donated \$121,457 in 508 donations.
4. More donations were made Yearly, amounting to \$35,266 while the least donations were made monthly, amounting to \$26,870.
5. The highest donations were made by donors in Human Resources job field at \$23,060 followed by Research and Development job field at \$22,862, and Product Management job field at \$22,798.
6. Total donations above \$200 is \$205,892.
7. Total donations below \$200 is \$42,5938.
8. States with the highest donations are California, Texas and Florida at \$30,264, \$24,097 and \$20,562 respectively.
9. States with the least donations are Wyoming, Maine and South Dakota with a total of \$232, \$258 and \$401 donations respectively.
10. Cars driven by the highest donors are Ford, Lexus and Mazda.

## **Recommendations**

1. Fundraising campaigns should be organized to appeal a broader audience. The positive impact of donations and how they contribute to the success of Education For All should be greatly highlighted. This would increase the number of donors.
2. Consistent monthly donations should be encouraged through a structured program and monthly educational events. The program should highlight the impact of continuous support on advancing education accessibility while showcasing the urgency of support. By implementing this, the donation frequency would increase significantly.
3. Donors who contributed above \$200 should be acknowledged and appreciated. An award event could be held annually to acknowledge donors and show them a few outstanding beneficiaries of the Education For All Charity. This would spur donors to donate more, seeing that their contributions are put into good use.

Summarily, donors should be educated on the significance of their contributions by sharing success stories and showing how their donations have impacted or will impact the mission of Education For All Charity.