GROUP PROJECT – MILESTONE 2

SEGR 5300

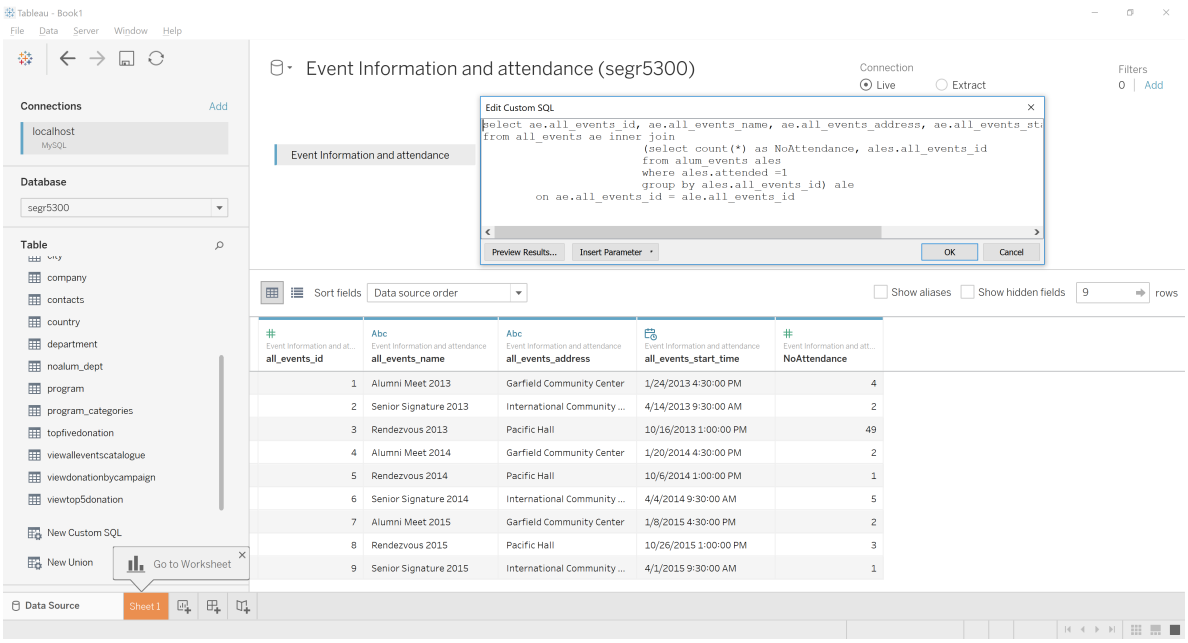
Group 9: Sanyukta Ghai, Sourabh Gupta, Huy Le

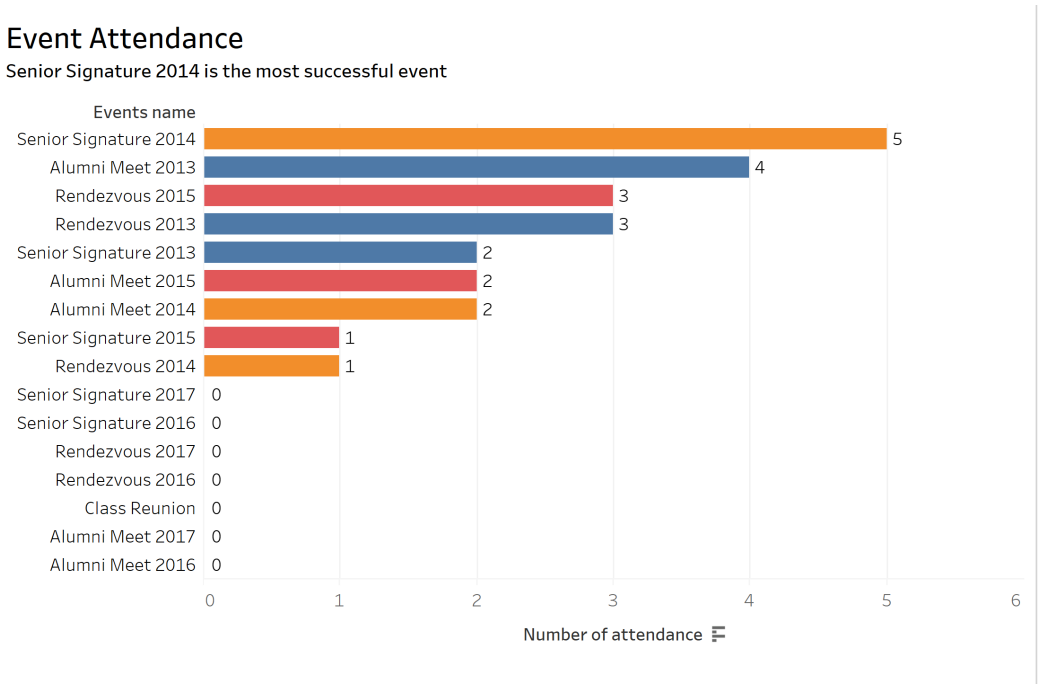
Exercise 4: ANALYTIC QUERIES and Integration into TABLEAU or EXCEL

Analytical query 1:

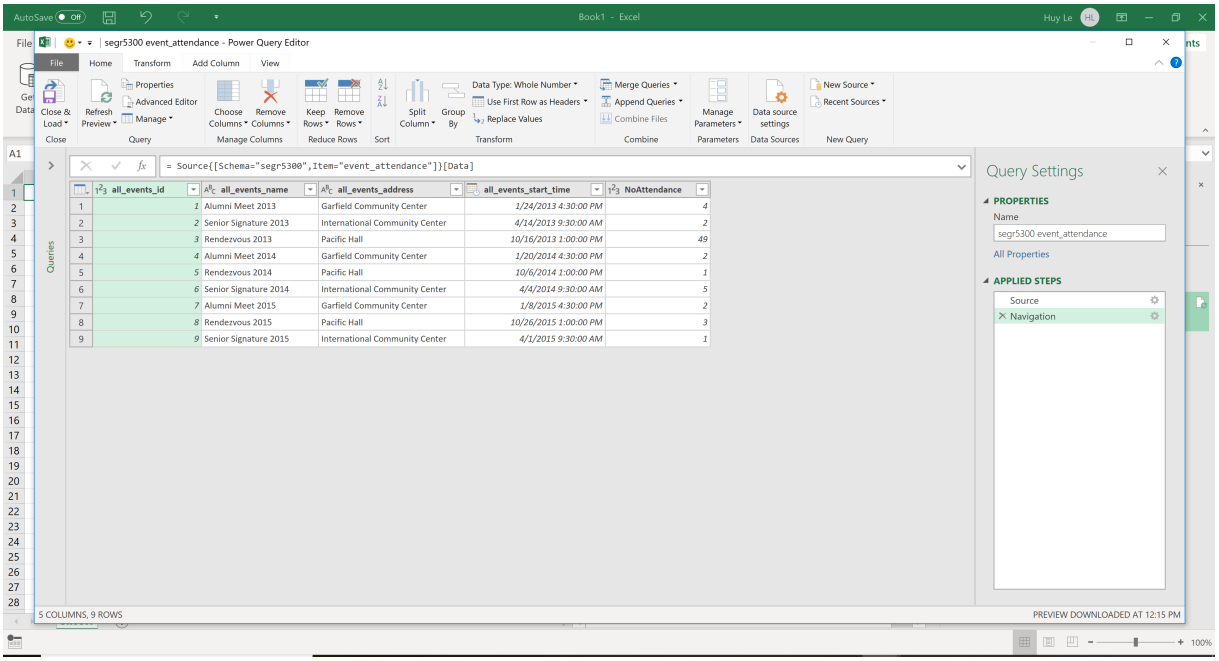
Returning the event information and number of attendance

Tableau





Excel



Analytical query 2:

This query returns the number of alumni and their donation of each department in school. With the result, customers can have an overview of alumni and their participation with school's events.

Tableau

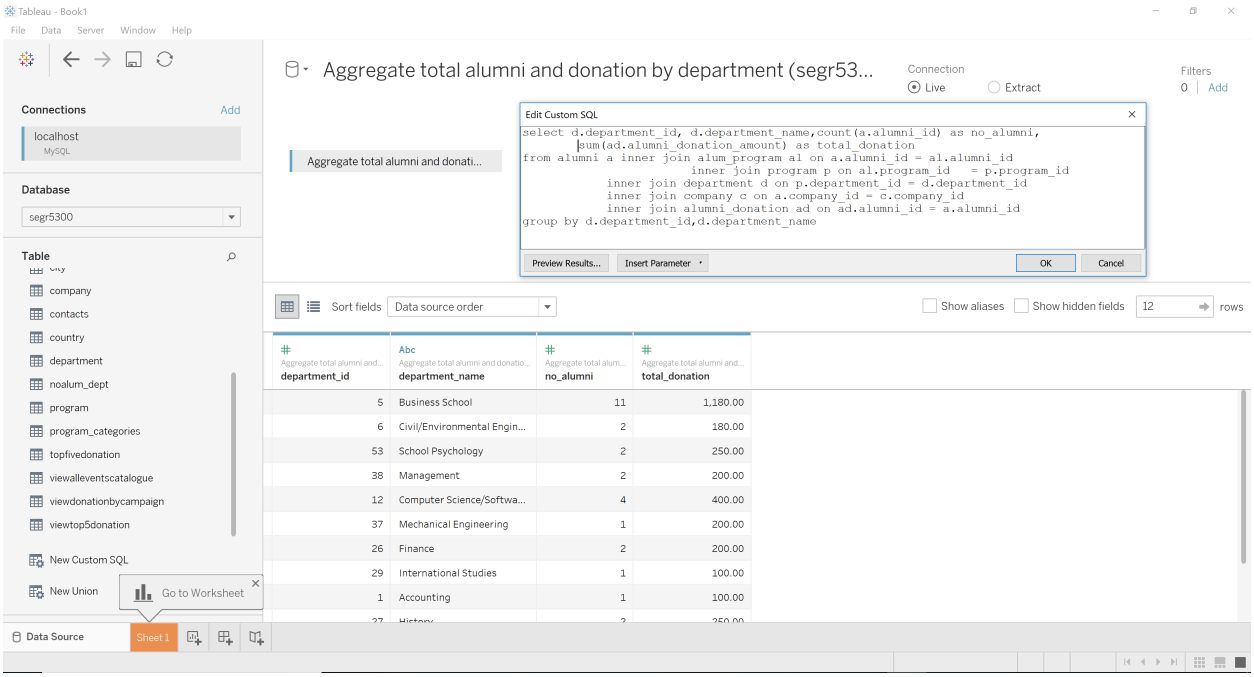
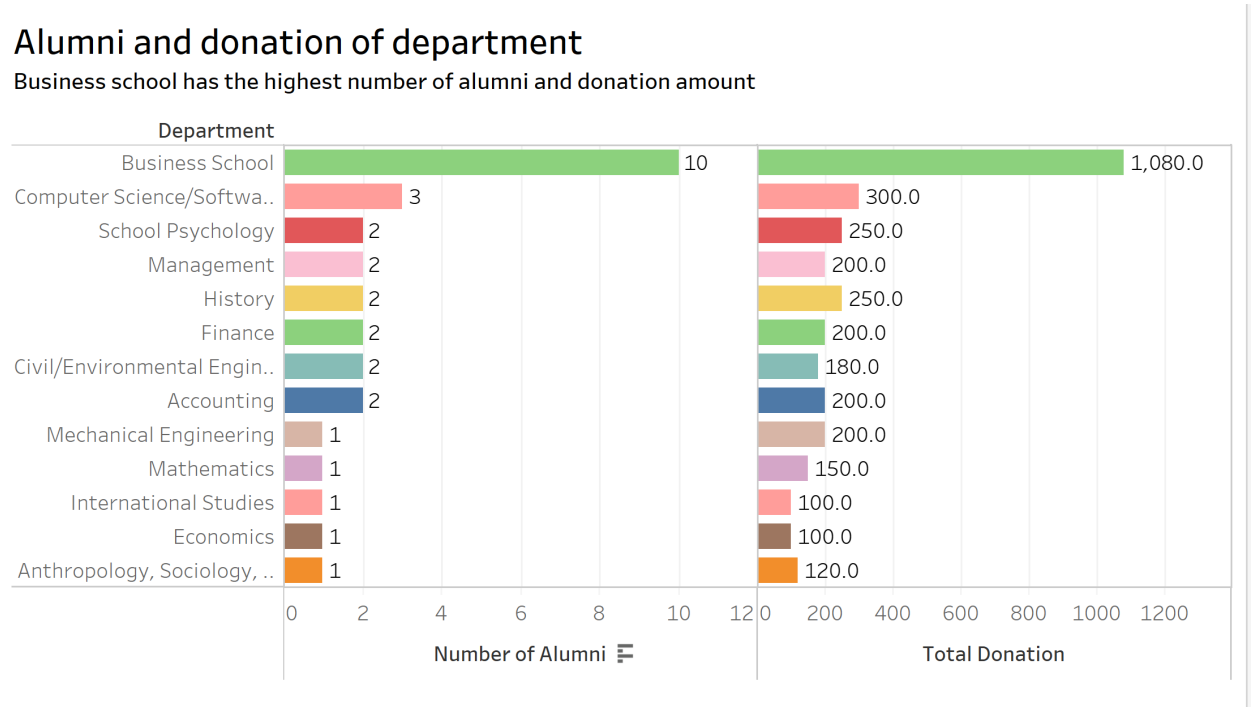
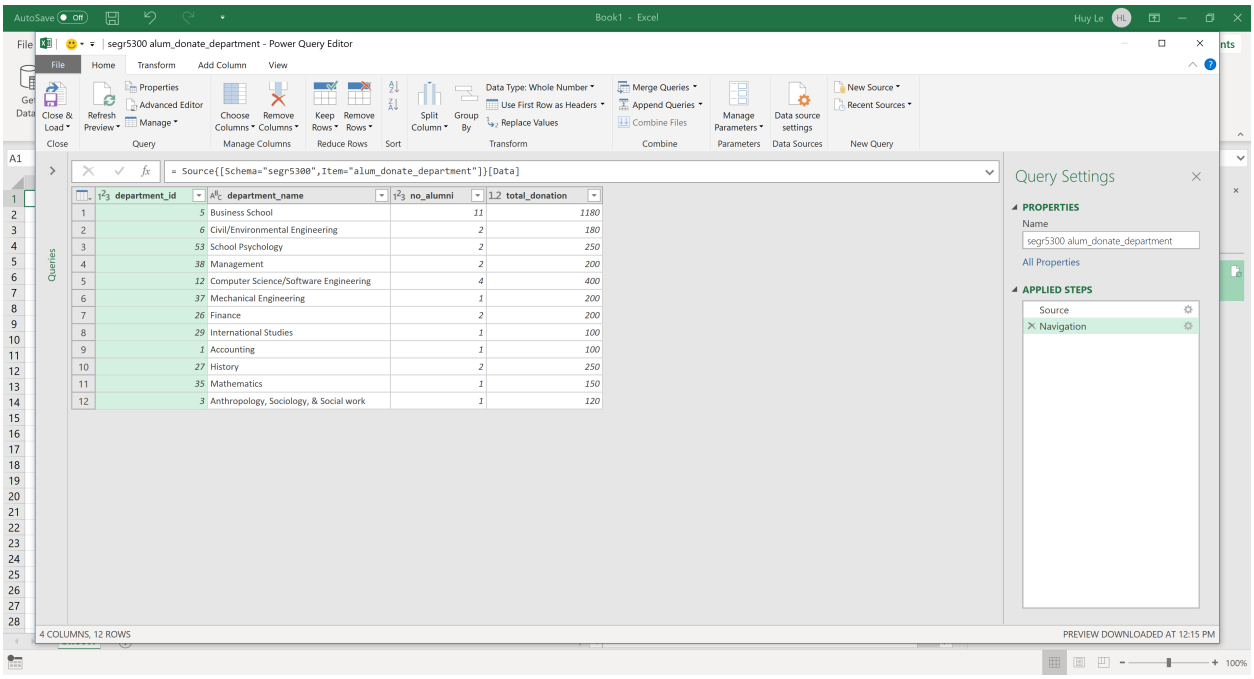


Tableau - Book1
File Data Server Window Help
Connections Add
localhost
MySQL
Database
segr5300
Table
company
contacts
country
department
noalum_dept
program
program_categories
topfivedonation
viewalleventscatalogue
viewdonationbycampaign
viewtop5donation
New Custom SQL
New Union
Go to Worksheet
Data Source
Sheet 1
Aggregate total alumni and donation by department (segr53...
Connection
Live
Extract
Filters
0 Add
Aggregate total alumni and donati...
Edit Custom SQL
select d.department_id, d.department_name,count(a.alumni_id) as no_alumni,
sum(ad.alumni_donation_amount) as total_donation
from alumni a inner join alum_program al on a.alumni_id = al.alumni_id
inner join program p on al.program_id = p.program_id
inner join department d on p.department_id = d.department_id
inner join company c on a.company_id = c.company_id
inner join alumni_donation ad on ad.alumni_id = a.alumni_id
group by d.department_id,d.department_name
Preview Results...
Insert Parameter
OK
Cancel
Sort fields
Data source order
Show aliases
Show hidden fields
12
rows
department_id
department_name
no_alumni
total_donation
5 Business School 11 1,180.00
6 Civil/Environmental Engin... 2 180.00
53 School Psychology 2 250.00
38 Management 2 200.00
12 Computer Science/Softwa... 4 400.00
37 Mechanical Engineering 1 200.00
26 Finance 2 200.00
29 International Studies 1 100.00
1 Accounting 1 100.00

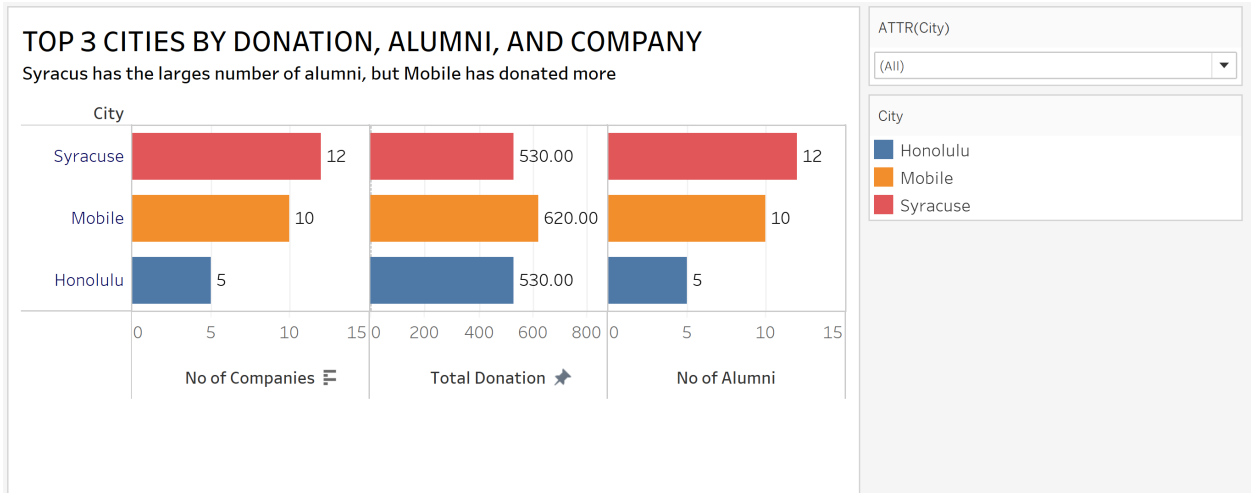

Alumni and donation of department
Business school has the highest number of alumni and donation amount
Department
Business School 10 1,080.0
Computer Science/Softwa.. 3 300.0
School Psychology 2 250.0
Management 2 200.0
History 2 250.0
Finance 2 200.0
Civil/Environmental Engin.. 2 180.0
Accounting 2 200.0
Mechanical Engineering 1 200.0
Mathematics 1 150.0
International Studies 1 100.0
Economics 1 100.0
Anthropology, Sociology, .. 1 120.0
0 2 4 6 8 10 12
0 200 400 600 800 1000 1200
Number of Alumni
Total Donation

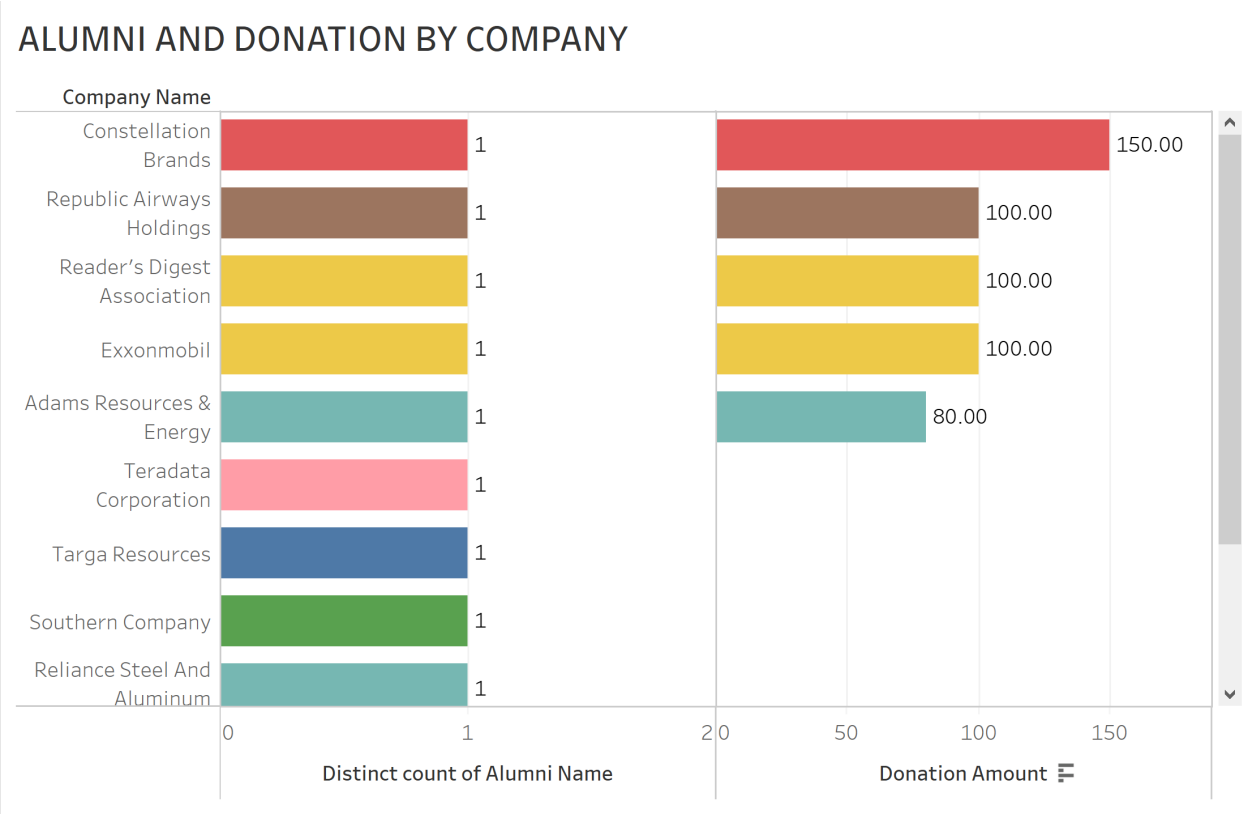
Excel



	department_id	department_name	no_alumni	total_donation
1	5	Business School	11	1180
2	6	Civil/Environmental Engineering	2	180
3	53	School Psychology	2	250
4	38	Management	2	200
5	12	Computer Science/Software Engineering	4	400
6	37	Mechanical Engineering	1	200
7	26	Finance	2	200
8	29	International Studies	1	100
9	1	Accounting	1	100
10	27	History	2	250
11	35	Mathematics	1	150
12	3	Anthropology, Sociology, & Social work	1	120

Analytical query 3: top 3 cities where donation, number of alumni and number of companies are maximum



Analytical Query 4:

The detail information of the Cities with number of alumni, total amount of donation which are divided by Company