EMPLOYEES' SALARY

By Nikolay Vetsov

Hello there,

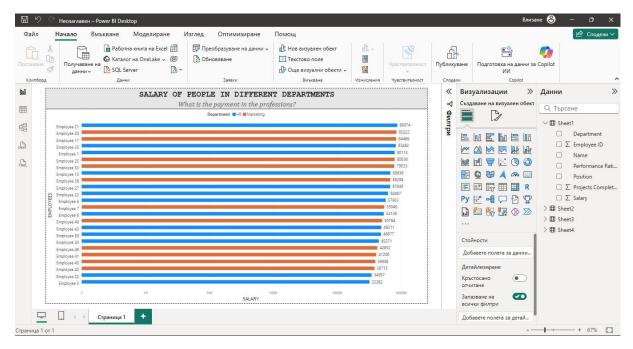
I am going to show you a short research.

I am using the excel file to make a comparison between the salary of the HR employees and those in the Marketing department. I am using – The Data.xlsx in the same directory.

Employee ID	Name	Department	Position	Projects Completed	Performance Rating	Salary
1	Employee 1	HR	Manager	3	Poor	8011
2	Employee 2	Sales	Senior	12	Excellent	6808
3	Employee 3	HR	Manager	4	Good	3226
4	Employee 4	Sales	Manager	13	Average	5233
5	Employee 5	HR	Manager	1	Excellent	5795
E	Employee 6	HR	Junior	18	Excellent	5413
7	Employee 7	Marketing	Manager	3	Excellent	5504
8	Employee 8	Sales	Junior	12	Good	7031:
	Employee 9	IT	Junior	8	Average	8990
10	Employee 10	IT	Manager	12	Excellent	49930
	. Employee 11	Sales	Manager	6	Good	82993
	Employee 12	Sales	Manager	4	Average	84518
	Employee 13	HR	Senior		Good	68630
	Employee 14	Sales	Senior		Good	49863
	Employee 15	IT	Junior		Excellent	7607:
	Employee 16	IT	Junior		Good	8389
	Employee 17	Marketing	Manager		Excellent	84469
	Employee 18	Sales	Manager		Average	4817
	Employee 19	Sales	Junior		Average	6200
	Employee 20	Marketing	Junior		Average	8522
	Employee 21	HR	Junior		Good	88074
	Employee 22	HR	Manager		Poor	3495
	Employee 23	HR	Manager		Poor	6289
	Employee 24	IT	Senior		Excellent	5711
	Employee 25	Marketing	Junior		Good	8003
		IT				54470
	Employee 26	HR	Manager		Average	67949
	Employee 27		Junior		Average	
	Employee 28	Sales	Senior		Excellent	62789
	Employee 29	Sales	Senior		Average	6227:
	Employee 30	HR	Manager		Poor	4527
	Employee 31	Sales	Senior		Good	6935
	Employee 32	IT	Manager		Poor	54462
	Employee 33	Marketing	Manager		Average	7903
	Employee 34	Sales	Manager		Average	6928
	Employee 35	HR	Manager		Poor	83482
	Employee 36	Marketing	Junior		Good	68299
	Employee 37	Sales	Manager		Good	72140
	Employee 38	Sales	Manager		Poor	48169
	Employee 39	IT	Junior		Poor	86280
40	Employee 40	Sales	Manager	7	Good	7568
41	Employee 41	Marketing	Junior	18	Good	4120
42	Employee 42	Marketing	Manager	19	Excellent	3871
43	Employee 43	HR	Senior	9	Average	4931
	Employee 44	IT	Junior		Poor	8138
45	Employee 45	Marketing	Manager		Good	39869
46	Employee 46	Marketing	Senior	12	Excellent	42852
47	Employee 47	Sales	Manager	1	Good	6975
48	Employee 48	Marketing	Junior	4	Excellent	5079
49	Employee 49	IT	Manager	14	Excellent	7272
50	Employee 50	HR	Manager	0	Poor	4887

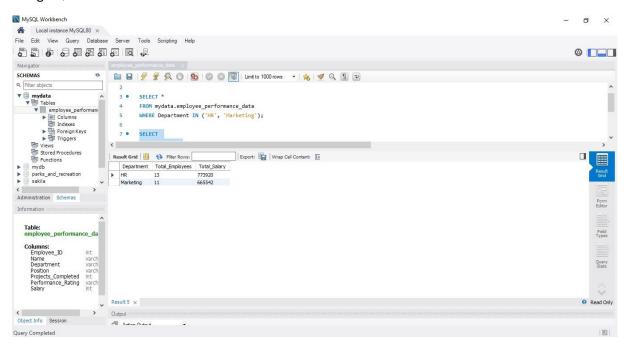
This is the full data I am using for my research.

Using Microsoft Power BI, I am making a visual segment:



I am making a design of a visualization – I am showing only the employees, working in HR (Blue) and Marketing (Orange) and their salaries.

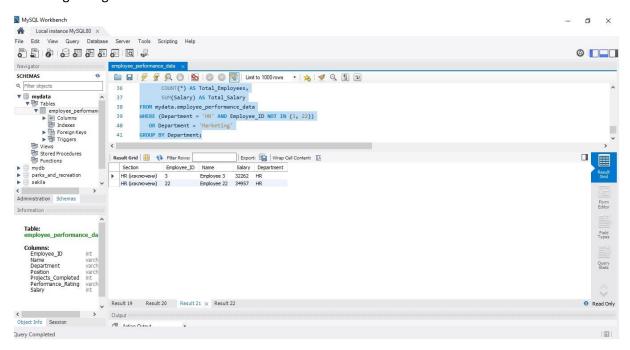
After that I decided to find out what is the total for the HR salaries, same for the Marketing. So, I am using SQL to find out:



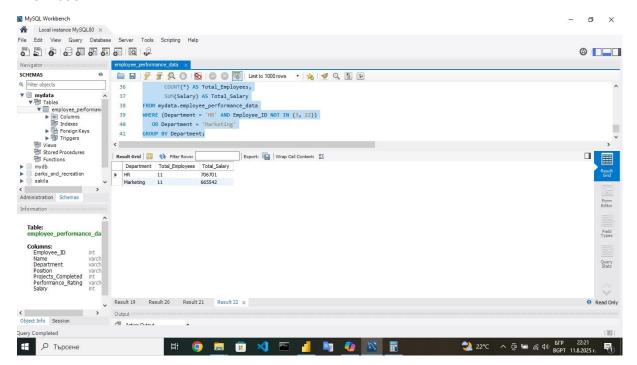
There are 13 employees in the HR department as a part of the data and 11 employees in the Marketing department.

After I decided to calculate all salaries from the respective department, I got the following sum – 773920 for the HR department and 665542 for the Marketing department. That means that the Human Resources field is more paid. But....I saw that there are 13 people in HR and 11 in Marketing – It looks

like that I examine more people in HR, which means that the data may be misleading. So I made the following changes:



I excluded 2 HR people from the data – those with the lowest salaries and I received the following information:



11 people in HR (total salary = 706701) and 11 in Marketing (total salary = 665542). That means that still the Human Resources field is in the lead. Looks like that the people that are used for hiring workers are more paid than those in the Marketing.

About the reason – Why is that way?

Perhaps because they are so responsible for the new people in the business. They decide who will join the staff and who will not, even for the Marketing. They usually conduct interviews to see the interests of each of the candidates and their skills and intention and that's why.