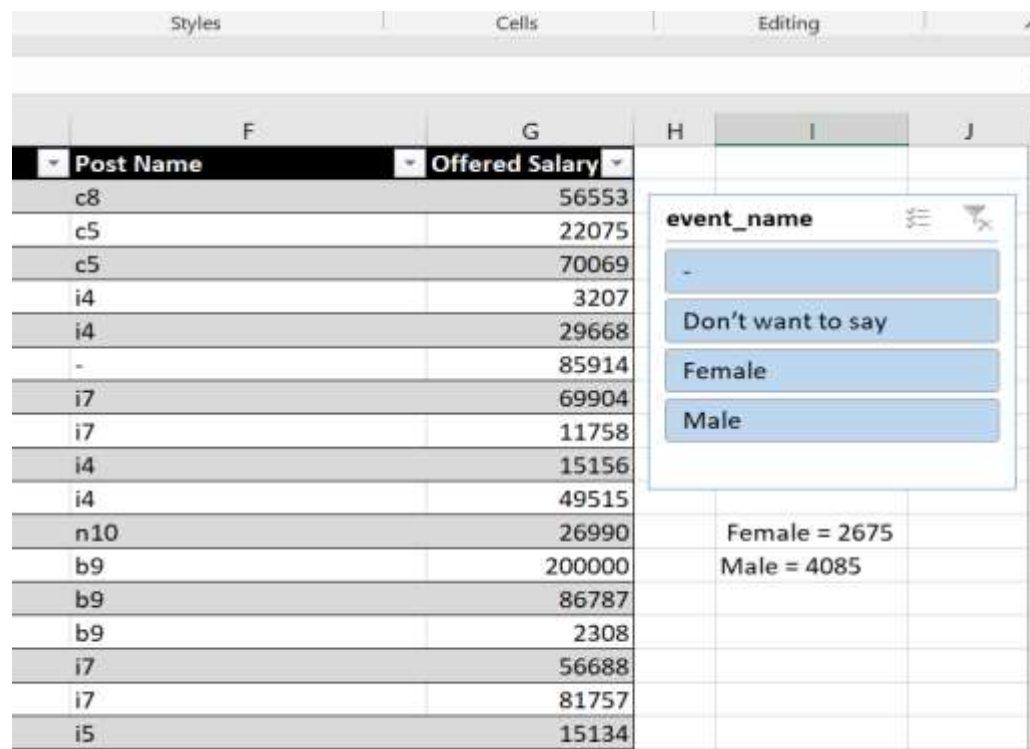


I, Dependra Singh hereby confirm that I have read all the questions and answered them by using Microsoft Excel 2019

A. Hiring Analysis: The hiring process involves bringing new individuals into the organization for various roles.

Your Task: Determine the gender distribution of hires. How many males and females have been hired by the company?

ANS:- Female = 2675 and Male = 4085 and I would like to mentioned that I can also use COUNTA(function) as well as PIVOT table filter to answer this question



Post Name	Offered Salary
c8	56553
c5	22075
c5	70069
i4	3207
i4	29668
-	85914
i7	69904
i7	11758
i4	15156
i4	49515
n10	26990
b9	200000
b9	86787
b9	2308
i7	56688
i7	81757
i5	15134

event_name

-

Don't want to say

Female

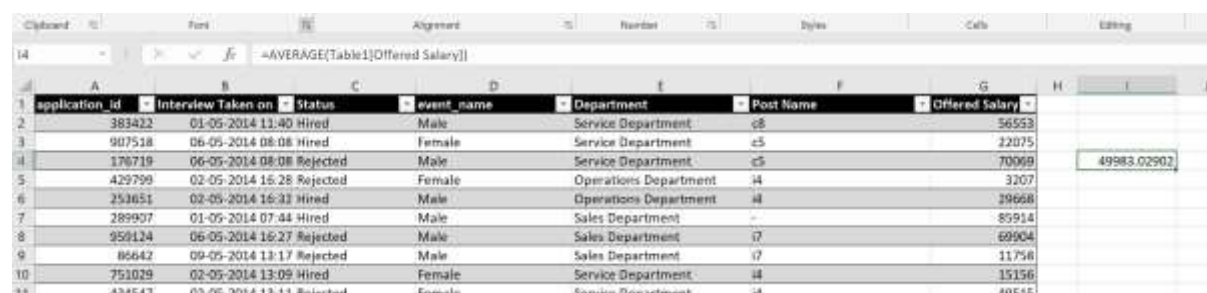
Male

Female = 2675

Male = 4085

B. Salary Analysis: The average salary is calculated by adding up the salaries of a group of employees and then dividing the total by the number of employees.

Your Task: What is the average salary offered by this company? Use Excel functions to calculate this.



application_id	Interview Taken on	Status	event_name	Department	Post Name	Offered Salary
383422	01-05-2014 11:40	Hired	Male	Service Department	c8	56553
907518	06-05-2014 08:08	Hired	Female	Service Department	c5	22075
170719	06-05-2014 08:08	Rejected	Male	Service Department	c5	70069
429799	02-05-2014 16:28	Rejected	Female	Operations Department	i4	3207
253651	02-05-2014 16:33	Hired	Male	Operations Department	i4	29668
289907	01-05-2014 07:44	Hired	Male	Sales Department	-	85914
959124	06-05-2014 16:27	Rejected	Male	Sales Department	i7	69904
86642	09-05-2014 13:17	Rejected	Male	Sales Department	i7	11758
751029	02-05-2014 13:09	Hired	Female	Service Department	i4	15156
434547	03-05-2014 13:11	Rejected	Female	Service Department	i4	49515

AVERAGE(Table1[Offered Salary])

49583.02903

ANSWER :- Average salary offered 49983.02902 by using average function on the salary offered table

C. Salary Distribution: Class intervals represent ranges of values, in this case, salary ranges. The class interval is the difference between the upper and lower limits of a class.

Your Task: Create class intervals for the salaries in the company. This will help you understand the salary distribution.

ANSWER:- this is the class interval of all the employee from all the department by using the Pivot TABLE however It is for all but if we wanted the data for hired employee I have applied the filter for that as well

	A	B	C	D	E	F	G	H	I	J	K	L
3	Item of Offered Salary	Column Labels										
4	Row Labels	Finance Department	General Management	Human Resource Department	Marketing Department	Operations Department	Production Department	Purchase Department	Sales Department	Service Department	Grand Total	
5	10100-20000	194962	53814		25203	81743	3989732	37128	159843	342869	143394	2772669
6	20000-30000	187805	144577			87720	808823	890681	248878	266436	1408705	2721585
7	30000-40000	388124	63736			318383	3081330	36245	325128	386405	1169063	3666381
8	40000-50000		14865			47833	1282187	71298	293127	513819	1207748	3581283
9	50000-60000	213728	85188			106217	2803303	268051	274037	524740	1158867	4334740
10	60000-70000	190941	74678	136795		466761	1140862	96523	62710	569311	621208	3341362
11	70000-80000	5948				345701	393723	234889	93801	267713	1058588	2893344
12	80000-90000	220952	88574	94315		222852	946757	205387	91040	185452	1139002	3189001
13	90000-100000	180043	204243	77508		64819	1428621	333335	1898	131137	1189489	3598886
14	100000-110000	567723	95980	84014		267785	1549910	180329	101415	780220	1079453	4388937
15	110000-120000	77106	74852	52538		129511	1066811	187380	226331	330790	1274050	3329618
16	120000-130000	141780		24304		856939	197708	367097	314191	478955	884934	4057069
17	130000-140000	123904		240185		124374	2220334	127720	89448	513203	1123724	4801018
18	140000-150000		38303			118335	1486179	87679	381754	486817	880091	3042078
19	150000-160000	92426	125900	78529		324433	1570128	120444	259411	333629	982887	3623803
20	160000-170000	189014	57870			120433	1290557	113782	453402	222818	800870	3247746
21	170000-180000	84276	75118			160781	1880746	57889	221387	212188	967331	2786330
22	180000-190000	163220	89954	94270		137227	2865581	75458	175396	495916	757295	3882135
23	190000-200000	145869	217320				1743186		342062	123854	1034097	3486368
24	200000-210000	125082	173875			89857	1378846	278417	171520	151900	1388045	3758202
25	210000-220000	114394	815087			63982	1275287	170128	526175	544379	707478	3238890
26	220000-230000	8367	73850	164202		291830	1716894	253087	76494	487462	1437149	4412145
27	230000-240000	148338		152056		150238	1811608	154838	287672	309115	784588	3477435
28	240000-250000	152168	35444			171131	1284278	300089	122485	306890	808783	2883370
29	250000-260000	181792	66968	59499		156633	1886551	218735	88910	382388	888473	3682417
30	260000-270000	392713	264613			68859	1470634	153479	212963	341846	8570976	
31	270000-280000		324687	78677		389742	1282058	176508	120847	417839	1219823	3892551
32	280000-290000	147188	122054			338575	1673098	249283	194548	739386	1388731	4405315
33	290000-300000	589905	128813			287455	766892	131373	181785	549902	1017713	3549355
34	300000-310000	277747	75686			59268	3208432	216153	104023	545157	804328	2822540
35	310000-320000	94175	101155			66870	1892649	161809	276812	213557	1076045	3381572
36	320000-330000	148330				179547	2840085	357325	128282	303978	812214	3587574
37	330000-340000		21228			422042	1801501	384327	61762	93121	1523486	4115489
38	340000-350000	150494	64958	92868		136451	1136888	178884	100294	873984	980744	3235818
39	350000-360000	24304	87401			70477	1252801	277352	222508	503218	800410	3148719
40	360000-370000	80607		93688		154612	874184	247993	121881	259457	1149993	3042181
41	370000-380000	84520	134321	97432			1874785	118192	65596	272072	1080328	3895886
42	380000-390000	92420	183790			284457	1802847	96317	223511	205096	1453683	4141038
43	390000-400000	129247	189964	8719		368143	983583	87798	603823	575885	1210100	3679464
44	400000	8484679	3020094	3191254	8702963	8323014	11828748	15691844	23044813	62829009	218471613	
45	Grand Total	44292866	10180200	4753223	15796229	136108483	18790424	17504670	36785544	304044412	338238368	

[illegible]

Your Task: Use a pie chart, bar graph, or any other suitable visualization to show the proportion of people working in different departments.

Count of Department

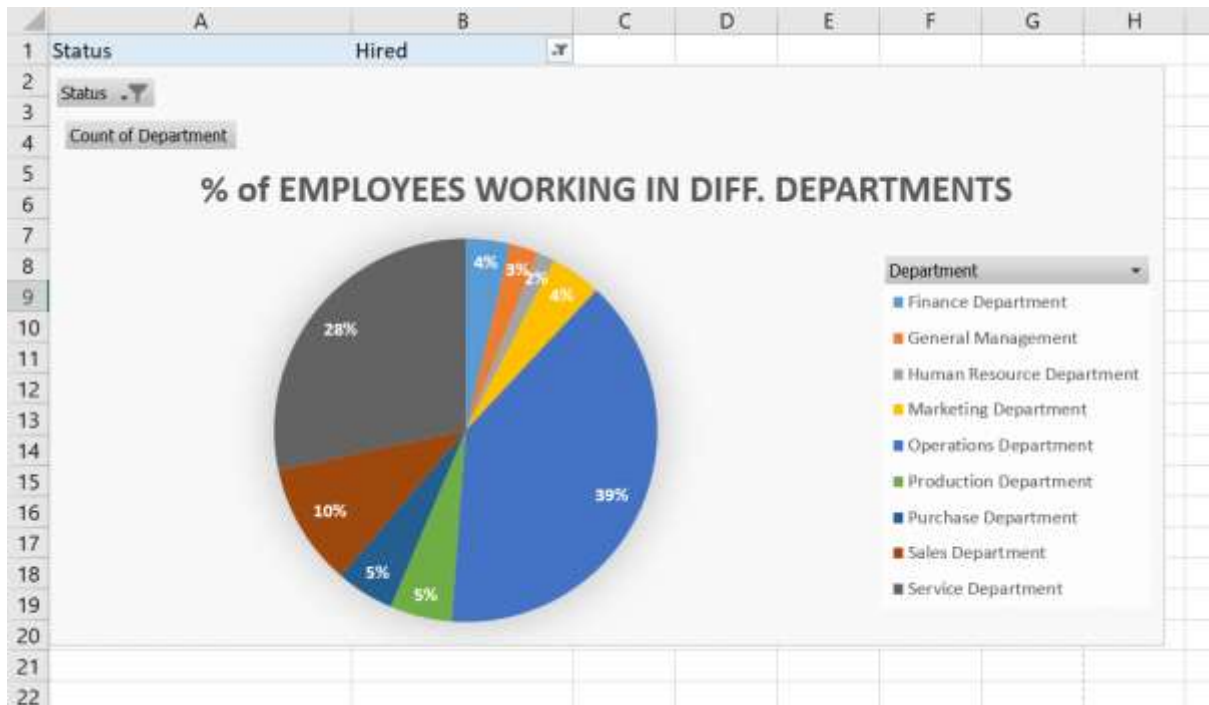
Department	Count of Department
Finance Department	288
General Management	172
Human Resource Department	97
Marketing Department	325
Operations Department	2771
Production Department	380
Purchase Department	333
Sales Department	747
Service Department	2055

Count of Department

Department

NUMBER OF EMPLOYEES

However I have tried to plot the data in different charts as well feel free to look at below:



The above pie chart show the number of Employees that HIRED in the company



The above pie chart show the number of Employees that REJECTED in the company.

E. Position Tier Analysis: Different positions within a company often have different tiers or levels.

ANSWER:- In my approach to calculate the distribution of positions across different tiers is I have taken average salary with the post name in the various department and here is the graphical representation of what I have to show.

