

Annual Salary vs Department

From this graph we can identify the department which has the highest annual salary.

Steps for plotting chart.

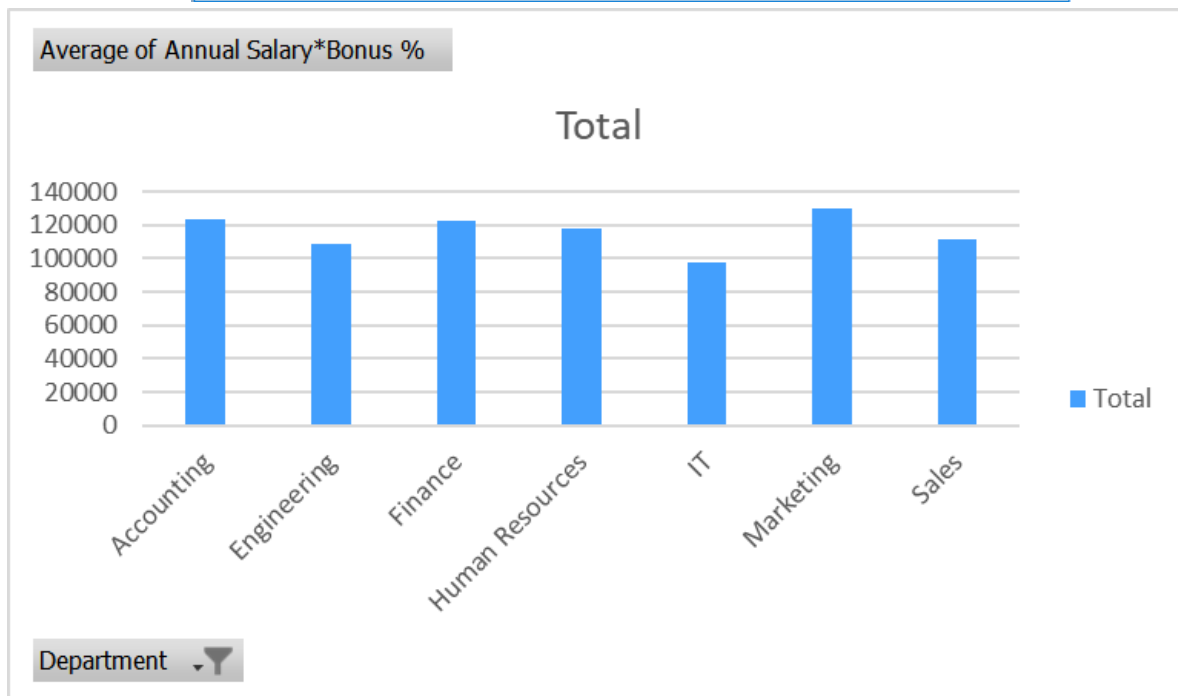
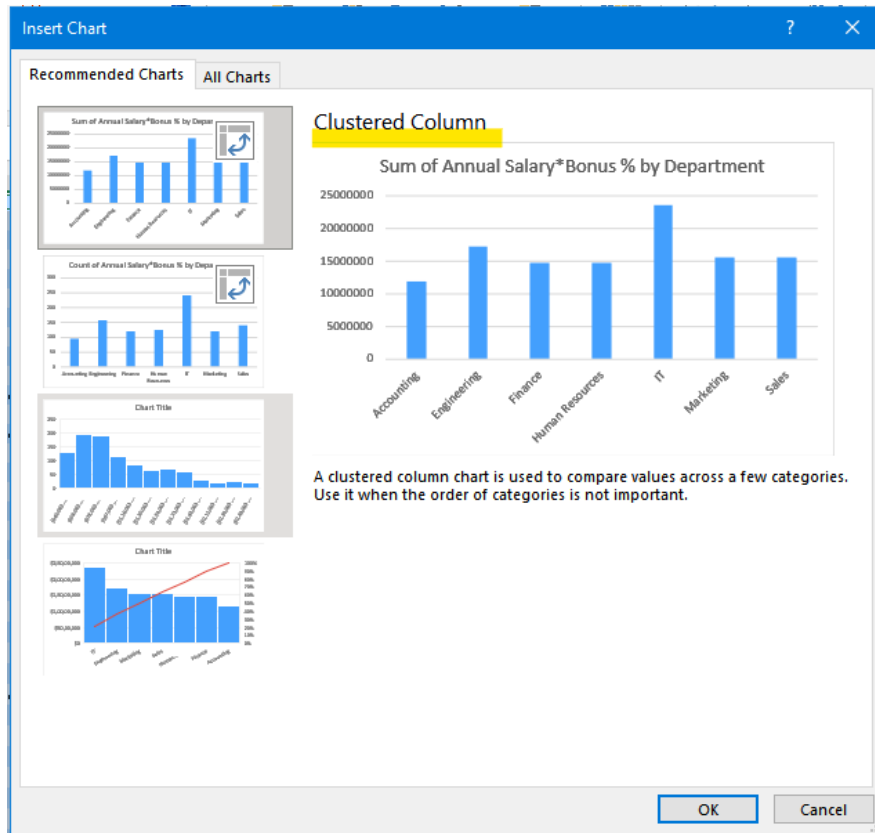
- For plotting the below graph we first need to select the Annual Salary and Department columns.

	Full Name	Job Title	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date	Country City	Total Days	Network Days
2	E0238 Emily Davis	Sr. Manager	IT	Research & Development	Female	Black	55	8-4-2016	\$141,604	15%	United States	Seattle	#####	United States, Seattle	2017	144
3	E04102 Theodore Dinh	Technical Architect	IT	Manufacturing	Male	Asian	59	#####	\$99,375	0%	China	Chongqing		China, Chongqing		
4	E0257 Luna Sanders	Director	Finance	Specialty Products	Female	Caucasian	50	#####	\$163,093	20%	United States	Chicago		United States, Chicago		
5	E0283 Penelope Jordan	Computer Systems Manager	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,913	7%	United States	Chicago		United States, Chicago		
6	E0163 Austin Vo	Sr. Analyst	Finance	Manufacturing	Male	Asian	55	#####	\$35,409	0%	United States	Phoenix		United States, Phoenix		
7	E0064 Joshua Gupta	Account Representative	Sales	Corporate	Male	Asian	57	24-1-2017	\$50,394	0%	China	Chongqing		China, Chongqing		
8	E0155 Ruby Barnes	Manager	IT	Corporate	Female	Caucasian	27	1-7-2020	\$119,746	10%	United States	Phoenix		United States, Phoenix		
9	E0433 Luke Martin	Analyst	Finance	Manufacturing	Male	Black	25	16-5-2020	\$41,336	0%	United States	Miami	20-5-2021	United States, Miami	363	-264
10	E0453 Easton Bailey	Manager	Accounting	Manufacturing	Male	Caucasian	29	25-1-2019	\$113,527	6%	United States	Austin		United States, Austin		
11	E0363 Madeline Walker	Sr. Analyst	Finance	Specialty Products	Female	Caucasian	34	13-6-2019	\$77,203	0%	United States	Chicago		United States, Chicago		
12	E0059 Savannah Ali	Sr. Manager	Human Resources	Manufacturing	Female	Asian	36	11-2-2009	\$151,333	15%	United States	Miami		United States, Miami		
13	E0334 Camila Rogers	Controls Engineer	Engineering	Specialty Products	Female	Caucasian	27	#####	\$109,851	0%	United States	Seattle		United States, Seattle		
14	E0053 El Jones	Manager	Human Resources	Manufacturing	Male	Caucasian	53	14-3-1999	\$105,086	5%	United States	Austin		United States, Austin		
15	E0423 Everleigh Ng	Sr. Manager	Finance	Research & Development	Female	Asian	51	10-6-2021	\$146,742	10%	China	Shanghai		China, Shanghai		
16	E0349 Robert Yang	Sr. Analyst	Accounting	Specialty Products	Male	Asian	31	4-11-2017	\$97,078	0%	United States	Austin	9-3-2020	United States, Austin	856	-61
17	E0054 Isabella Vi	Vice President	Marketing	Research & Development	Female	Black	45	13-3-2013	\$249,270	30%	United States	Seattle		United States, Seattle		
18	E0161 Bella Powell	Director	Finance	Research & Development	Female	Black	65	4-9-2002	\$175,837	20%	United States	Phoenix		United States, Phoenix		
19	E0089 Camila Silva	Sr. Manager	Marketing	Specialty Products	Female	Latino	64	1-12-2003	\$154,828	13%	United States	Seattle		United States, Seattle		
20	E0418 David Barnes	Director	IT	Corporate	Male	Caucasian	64	3-11-2013	\$186,503	24%	United States	Columbus		United States, Columbus		
21	E0462 Adam Dang	Director	Sales	Research & Development	Male	Asian	45	9-7-2002	\$166,331	18%	China	Chongqing		China, Chongqing		
22	E0369 Elias Alvarado	Sr. Manager	IT	Manufacturing	Male	Latino	56	9-1-2012	\$148,140	10%	Brazil	Manaus		Brazil, Manaus		
23	E0473 Eva Rivera	Director	Sales	Manufacturing	Female	Latino	36	2-4-2021	\$151,703	21%	United States	Miami		United States, Miami		
24	E0349 Logan Rivera	Director	IT	Research & Development	Male	Latino	59	#####	\$172,787	28%	Brazil	Rio de Janeiro		Brazil, Rio de Janeiro		
25	E0067 Leonardo Dixon	Analyst	Sales	Specialty Products	Male	Caucasian	37	5-9-2019	\$49,998	0%	United States	Seattle		United States, Seattle		
26	E0207 Mareo Her	Vice President	Sales	Specialty Products	Male	Asian	44	2-3-2014	\$207,172	31%	China	Chongqing		China, Chongqing		
27	E0220 Jose Henderson	Director	Human Resources	Specialty Products	Male	Black	41	11-4-2015	\$152,239	23%	United States	Columbus		United States, Columbus		
28	E0454 Abigail Mejia	Quality Engineer	Engineering	Corporate	Female	Latino	56	5-2-2005	\$96,581	0%	Brazil	Rio de Janeiro		Brazil, Rio de Janeiro		
29	E0015 Wyatt Chin	Vice President	Engineering	Specialty Products	Male	Asian	43	7-6-2004	\$248,231	31%	United States	Seattle		United States, Seattle		
30	E0334 Carson Lu	Engineering Manager	Engineering	Specialty Products	Male	Asian	64	4-12-1996	\$93,354	12%	China	Beijing		China, Beijing		
31	E0030 Dylan Choi	Vice President	IT	Corporate	Male	Asian	63	11-5-2012	\$231,141	34%	China	Beijing		China, Beijing		
32	E0259 Ezekiel Kumar	IT Coordinator	IT	Research & Development	Male	Asian	28	25-6-2017	\$54,775	0%	United States	Columbus		United States, Columbus		
33	E0040 Dominic Guzman	Analyst	Finance	Manufacturing	Male	Latino	65	16-5-2004	\$55,439	0%	Brazil	Manaus		Brazil, Manaus		
34	E0193 Angel Powell	Analyst II	Sales	Research & Development	Male	Caucasian	61	11-7-2008	\$66,521	0%	United States	Seattle		United States, Seattle		
35	E0354 Mareo Vu	Account Representative	Sales	Specialty Products	Male	Asian	30	23-9-2016	\$59,100	0%	China	Chongqing		China, Chongqing		
36	E0324 Caroline Jenkins	Analyst	Finance	Research & Development	Female	Caucasian	27	8-5-2018	\$49,111	0%	United States	Chicago		United States, Chicago		

- After selecting column we will select Insert menu from Menu bar and in that We will select recommended charts option to plot graph.

	Full Name	Job Title	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date	Country City	Total Days	Network Days
2	E0238 Emily Davis	Sr. Manager	IT	Research & Development	Female	Black	55	8-4-2016	\$141,604	15%	United States	Seattle	#####	United States, Seattle	2017	144
3	E04102 Theodore Dinh	Technical Architect	IT	Manufacturing	Male	Asian	59	#####	\$99,375	0%	China	Chongqing		China, Chongqing		
4	E0257 Luna Sanders	Director	Finance	Specialty Products	Female	Caucasian	50	#####	\$163,093	20%	United States	Chicago		United States, Chicago		
5	E0283 Penelope Jordan	Computer Systems Manager	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,913	7%	United States	Chicago		United States, Chicago		
6	E0163 Austin Vo	Sr. Analyst	Finance	Manufacturing	Male	Asian	55	#####	\$35,409	0%	United States	Phoenix		United States, Phoenix		
7	E0064 Joshua Gupta	Account Representative	Sales	Corporate	Male	Asian	57	24-1-2017	\$50,394	0%	China	Chongqing		China, Chongqing		
8	E0155 Ruby Barnes	Manager	IT	Corporate	Female	Caucasian	27	1-7-2020	\$119,746	10%	United States	Phoenix		United States, Phoenix		
9	E0433 Luke Martin	Analyst	Finance	Manufacturing	Male	Black	25	16-5-2020	\$41,336	0%	United States	Miami	20-5-2021	United States, Miami	363	-264
10	E0453 Easton Bailey	Manager	Accounting	Manufacturing	Male	Caucasian	29	25-1-2019	\$113,527	6%	United States	Austin		United States, Austin		
11	E0363 Madeline Walker	Sr. Analyst	Finance	Specialty Products	Female	Caucasian	34	13-6-2019	\$77,203	0%	United States	Chicago		United States, Chicago		
12	E0059 Savannah Ali	Sr. Manager	Human Resources	Manufacturing	Female	Asian	36	11-2-2009	\$151,333	15%	United States	Miami		United States, Miami		
13	E0334 Camila Rogers	Controls Engineer	Engineering	Specialty Products	Female	Caucasian	27	#####	\$109,851	0%	United States	Seattle		United States, Seattle		
14	E0053 El Jones	Manager	Human Resources	Manufacturing	Male	Caucasian	53	14-3-1999	\$105,086	5%	United States	Austin		United States, Austin		
15	E0423 Everleigh Ng	Sr. Manager	Finance	Research & Development	Female	Asian	51	10-6-2021	\$146,742	10%	China	Shanghai		China, Shanghai		
16	E0349 Robert Yang	Sr. Analyst	Accounting	Specialty Products	Male	Asian	31	4-11-2017	\$97,078	0%	United States	Austin	9-3-2020	United States, Austin	856	-61

- From the recommendation we will select **clustered column chart** to get better understanding of **Annual salary as per Department.**



- Here x-axis represents the department and y-axis represents the average of annual salary for that department.
- We can observe from the above graph that the Marketing department has the highest annual salary.
- IT department has the lowest annual salary.

Annual Salary vs Job Title

Steps for plotting chart.

For plotting this chart we will use the Annual Salary and Job title column

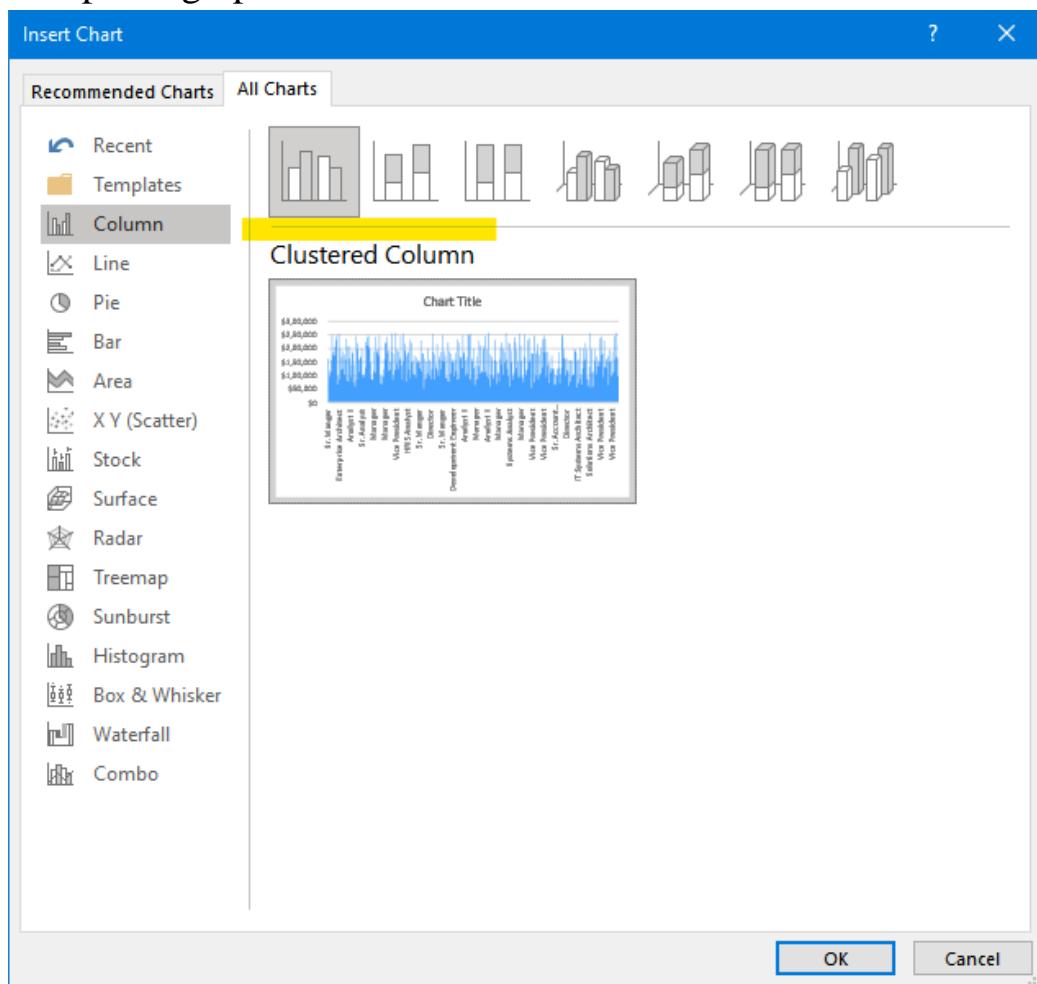
	Full Name	Job Title	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date	Country City	Total Days	Network Days
2	E00238 Emily Davis	Sr. Manager	IT	Research & Development	Female	Black	55	8-4-2016	\$1,41,604	15%	United States	Seattle	*****	United States, Seattle	2017	144
3	E04102 Theodore Dinh	Technical Architect	IT	Manufacturing	Male	Asian	53	*****	\$93,375	0%	China	Chongqing		China, Chongqing	#VALUE!	#VALUE!
4	E02571 Luna Sanders	Director	Finance	Specialty Products	Female	Caucasian	50	*****	\$1,63,089	20%	United States	Chicago		United States, Chicago	#NAME?	#VALUE!
5	E02831 Penelope Jordan	Computer Systems Manager	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,313	7%	United States	Chicago		United States, Chicago	#NAME?	#VALUE!
6	E01631 Austin Vo	Sr. Analyst	Finance	Manufacturing	Male	Asian	55	*****	\$35,409	0%	United States	Phoenix		United States, Phoenix	#NAME?	#VALUE!
7	E00641 Joshua Gupta	Account Representative	Sales	Corporate	Male	Asian	57	24-1-2017	\$50,934	0%	China	Chongqing		China, Chongqing	#NAME?	#VALUE!
8	E01551 Ruby Barnes	Manager	IT	Corporate	Female	Caucasian	27	1-7-2020	\$1,19,746	10%	United States	Phoenix		United States, Phoenix	#NAME?	#VALUE!
9	E04331 Luke Martin	Analyst	Finance	Manufacturing	Male	Black	25	10-5-2020	\$41,336	0%	United States	Miami		United States, Miami	#NAME?	#VALUE!
10	E04531 Easton Bailey	Manager	Accounting	Manufacturing	Male	Caucasian	23	25-1-2019	\$1,13,527	6%	United States	Austin	20-5-2021	United States, Austin	369	-264
11	E03831 Madeline Walker	Sr. Analyst	Finance	Specialty Products	Female	Caucasian	34	13-6-2018	\$77,203	0%	United States	Chicago		United States, Chicago	#NAME?	#VALUE!
12	E00591 Savannah Ali	Sr. Manager	Human Resource	Manufacturing	Female	Asian	36	11-2-2009	\$157,333	15%	United States	Miami		United States, Miami	#NAME?	#VALUE!
13	E03341 Camila Rogers	Controls Engineer	Engineering	Specialty Products	Female	Caucasian	27	*****	\$1,09,051	0%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!
14	E00531 Eli Jones	Manager	Human Resource	Manufacturing	Male	Caucasian	53	14-3-1999	\$1,05,086	9%	United States	Austin		United States, Austin	#NAME?	#VALUE!
15	E04231 Everleigh Ng	Sr. Manager	Finance	Research & Development	Female	Asian	51	10-6-2021	\$1,46,742	10%	China	Shanghai		China, Shanghai	#NAME?	#VALUE!
16	E03491 Robert Yang	Sr. Analyst	Accounting	Specialty Products	Male	Asian	31	4-11-2017	\$97,078	0%	United States	Austin	9-3-2020	United States, Austin	856	-61
17	E00541 Isabella Xi	Vice President	Marketing	Research & Development	Female	Asian	41	13-3-2013	\$2,43,270	30%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!
18	E00161 Bella Powell	Director	Finance	Research & Development	Female	Black	65	4-3-2002	\$1,75,637	20%	United States	Phoenix		United States, Phoenix	#NAME?	#VALUE!
19	E00891 Camila Silva	Sr. Manager	Marketing	Specialty Products	Female	Latino	64	1-12-2003	\$154,829	13%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!
20	E04181 David Barnes	Director	IT	Corporate	Male	Caucasian	64	3-11-2013	\$1,86,503	24%	United States	Columbus		United States, Columbus	#NAME?	#VALUE!
21	E04621 Adam Dang	Director	Sales	Research & Development	Male	Asian	45	9-7-2002	\$1,66,331	18%	China	Chongqing		China, Chongqing	#NAME?	#VALUE!
22	E03691 Elias Alvarado	Sr. Manager	IT	Manufacturing	Male	Latino	56	9-1-2012	\$1,46,140	10%	Brazil	Manaus		Brazil, Manaus	#NAME?	#VALUE!
23	E04731 Eva Rivera	Director	Sales	Manufacturing	Female	Latino	36	2-4-2021	\$151,703	21%	United States	Miami		United States, Miami	#NAME?	#VALUE!
24	E03481 Logan Rivera	Director	IT	Research & Development	Male	Latino	53	*****	\$1,72,787	28%	Brazil	Rio de Janeiro		Brazil, Rio de Janeiro	#NAME?	#VALUE!
25	E00671 Leonardo Dixon	Analyst	Sales	Specialty Products	Male	Caucasian	37	5-9-2019	\$49,398	0%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!
26	E02071 Matteo Her	Vice President	Sales	Specialty Products	Male	Asian	44	2-3-2014	\$2,07,172	31%	China	Chongqing		China, Chongqing	#NAME?	#VALUE!
27	E02201 Jose Henderson	Director	Human Resource	Specialty Products	Male	Black	41	17-4-2015	\$152,239	23%	United States	Columbus		United States, Columbus	#NAME?	#VALUE!
28	E04541 Abigail Mejia	Quality Engineer	Engineering	Corporate	Female	Latino	56	5-2-2005	\$98,581	0%	Brazil	Rio de Janeiro		Brazil, Rio de Janeiro	#NAME?	#VALUE!
29	E00151 Wyatt Chin	Vice President	Engineering	Specialty Products	Male	Asian	43	7-6-2004	\$2,46,231	31%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!
30	E03341 Carson Lu	Engineering Manager	Engineering	Specialty Products	Male	Asian	64	4-12-1996	\$93,354	12%	China	Beijing		China, Beijing	#NAME?	#VALUE!
31	E00301 Dylan Choi	Vice President	IT	Corporate	Male	Asian	63	11-5-2012	\$2,31,141	34%	China	Beijing		China, Beijing	#NAME?	#VALUE!
32	E01631 Ezekiel Kumar	IT Coordinator	IT	Research & Development	Male	Asian	28	25-6-2017	\$54,775	0%	United States	Columbus		United States, Columbus	#NAME?	#VALUE!
33	E00401 Dominic Guzman	Analyst	Finance	Manufacturing	Male	Latino	65	16-5-2004	\$55,493	0%	Brazil	Manaus		Brazil, Manaus	#NAME?	#VALUE!
34	E01391 Angel Powell	Analyst II	Sales	Research & Development	Male	Caucasian	61	11-7-2008	\$66,521	0%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!
35	E03541 Mateo Vu	Account Representative	Sales	Specialty Products	Male	Asian	30	29-9-2016	\$53,100	0%	China	Chongqing		China, Chongqing	#NAME?	#VALUE!
36	E03241 Caroline Jenkins	Analyst	Finance	Research & Development	Female	Caucasian	27	6-5-2018	\$45,011	0%	United States	Phoenix		United States, Phoenix	#NAME?	#VALUE!

- After selecting column we will select Insert menu from Menu bar and in that We will select recommended charts option to plot graph.

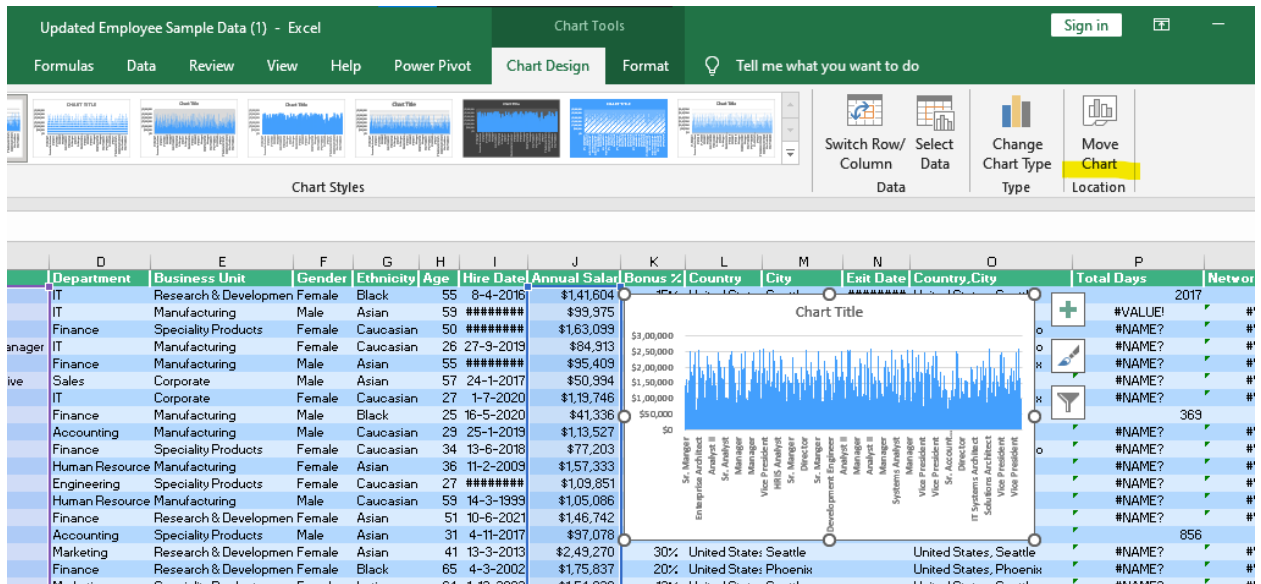
Updated Employee Sample Data (1) - Excel

	Full Name	Job Title	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date	Country/ City	Total Days
2	E0238 Emily Davis	Sr. Manager	IT	Research & Development	Female	Black	55	8-4-2016	\$141,604	15%	United States	Seattle	#####	United States, Seattle	2017
3	E0410E Theodore Dinh	Technical Architect	IT	Manufacturing	Male	Asian	59	#####	\$39,975	0%	China	Chongqing	#####	China, Chongqing	#####
4	E0257 Luna Sanders	Director	Finance	Specialty Products	Female	Caucasian	50	#####	\$163,099	20%	United States	Chicago	#####	United States, Chicago	#####
5	E0283 Penelope Jordan	Computer Systems Manager	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,913	7%	United States	Chicago	#####	United States, Chicago	#####
6	E0163E Austin Vo	Sr. Analyst	Finance	Manufacturing	Male	Asian	55	#####	\$95,409	0%	United States	Phoenix	#####	United States, Phoenix	#####
7	E0064 Joshua Gupta	Account Representative	Sales	Corporate	Male	Asian	57	24-1-2017	\$50,394	0%	China	Chongqing	#####	China, Chongqing	#####
8	E0155E Ruby Barnes	Manager	IT	Corporate	Female	Caucasian	27	1-7-2020	\$119,746	10%	United States	Phoenix	#####	United States, Phoenix	#####
9	E0433 Luke Martin	Analyst	Finance	Manufacturing	Male	Black	25	16-5-2020	\$41,336	0%	United States	Miami	20-5-2021	United States, Miami	369
10	E0453 Easton Bailey	Manager	Accounting	Manufacturing	Male	Caucasian	29	25-1-2019	\$113,527	6%	United States	Austin	#####	United States, Austin	#####
11	E0383 Madeline Walker	Sr. Analyst	Finance	Specialty Products	Female	Caucasian	34	13-6-2018	\$77,203	0%	United States	Chicago	#####	United States, Chicago	#####
12	E0059 Savannah Ali	Sr. Manager	Human Resource	Manufacturing	Female	Asian	36	11-2-2009	\$157,333	15%	United States	Miami	#####	United States, Miami	#####
13	E0334E Camille Rogers	Controls Engineer	Engineering	Specialty Products	Female	Caucasian	27	#####	\$109,851	0%	United States	Seattle	#####	United States, Seattle	#####
14	E0053 Eli Jones	Manager	Human Resource	Manufacturing	Male	Caucasian	59	14-3-1999	\$105,086	3%	United States	Austin	#####	United States, Austin	#####
15	E0423 Everleigh Ng	Sr. Manager	Finance	Research & Development	Female	Asian	51	10-6-2021	\$146,742	10%	China	Shanghai	#####	China, Shanghai	#####
16	E0349 Robert Yang	Sr. Analyst	Accounting	Specialty Products	Male	Asian	31	4-11-2017	\$97,078	0%	United States	Austin	9-3-2020	United States, Austin	856

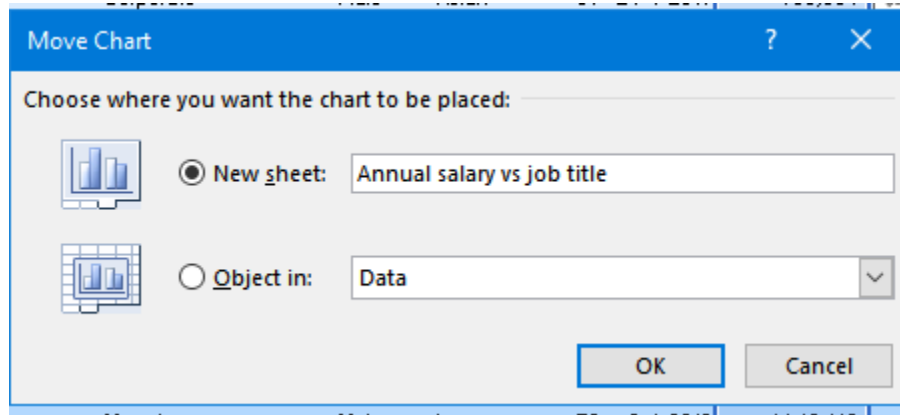
- After selecting recommended chart option we opt for clustered column chart to plot a graph.



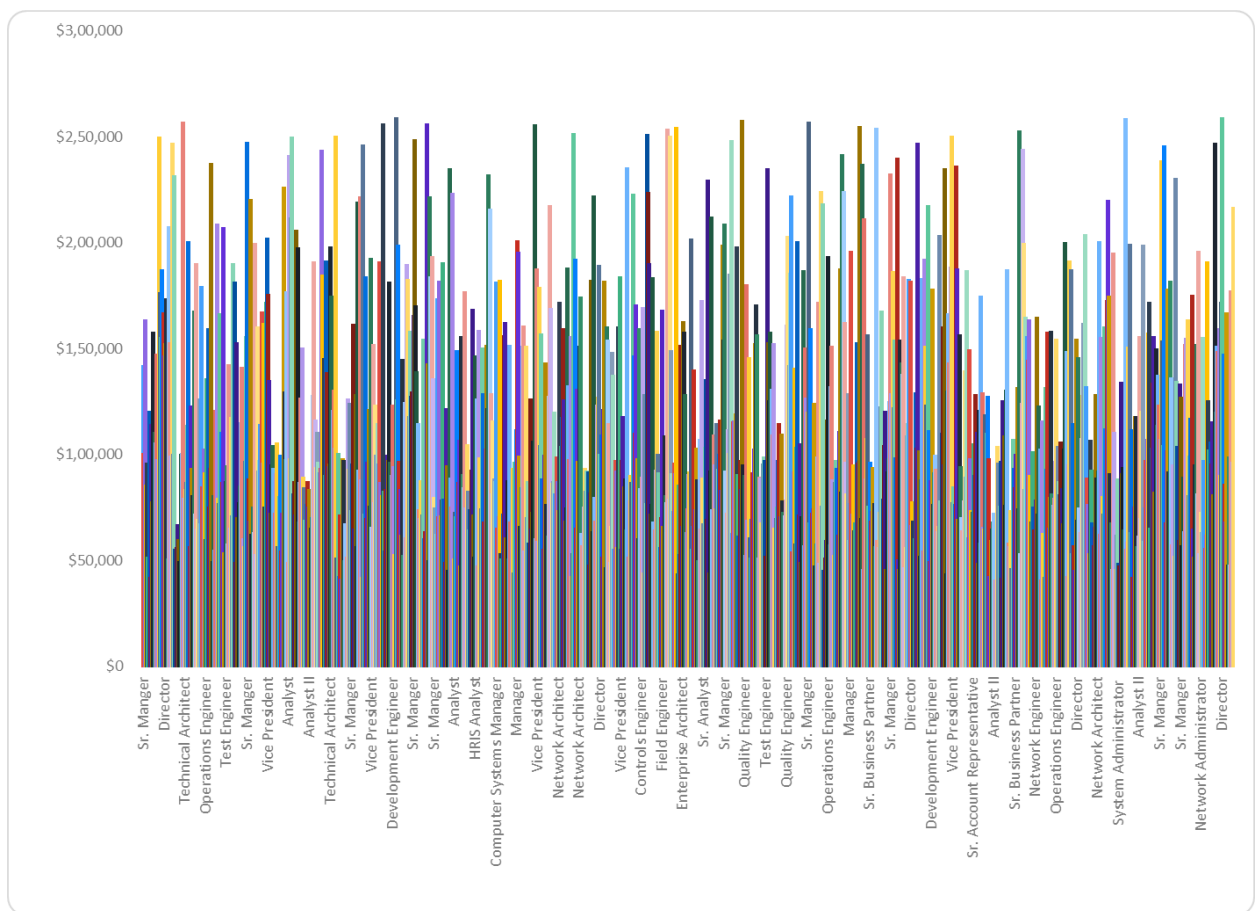
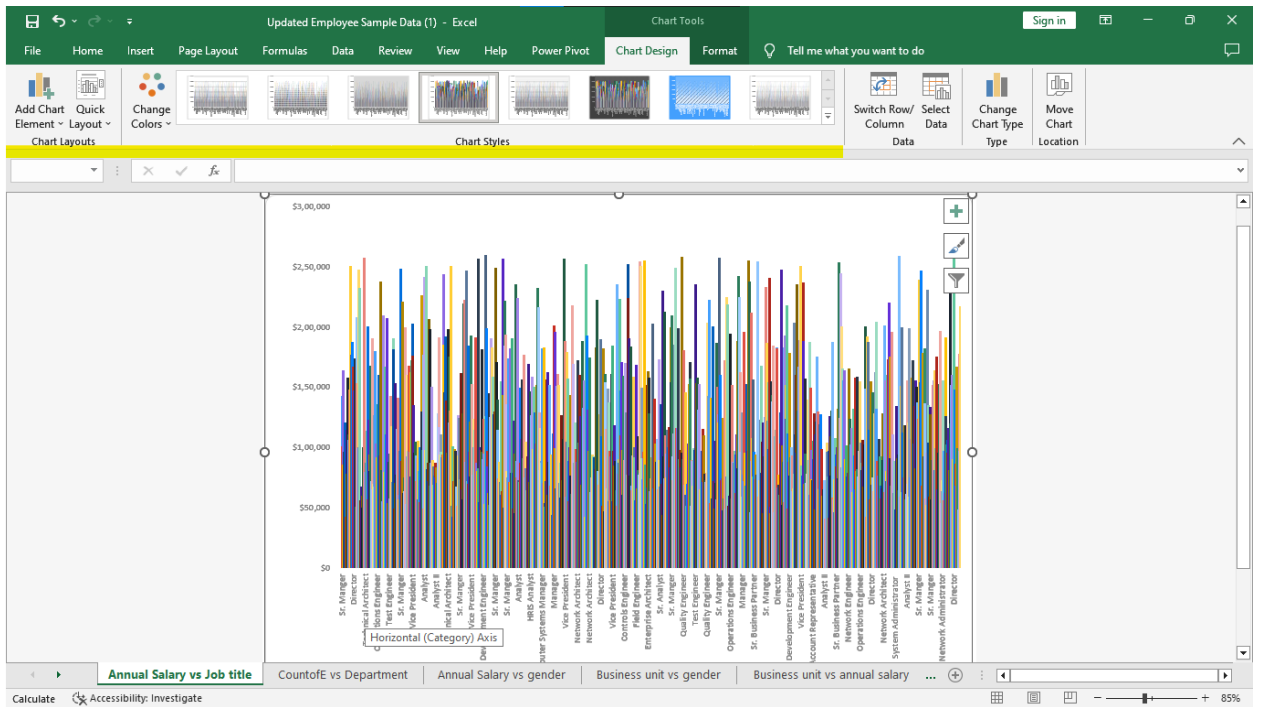
- After plotting graph we can move this chart to new sheet for better visualization.



- After this option we will select new sheet from the opened dialogue box and rename the sheet for better visualization of graph.



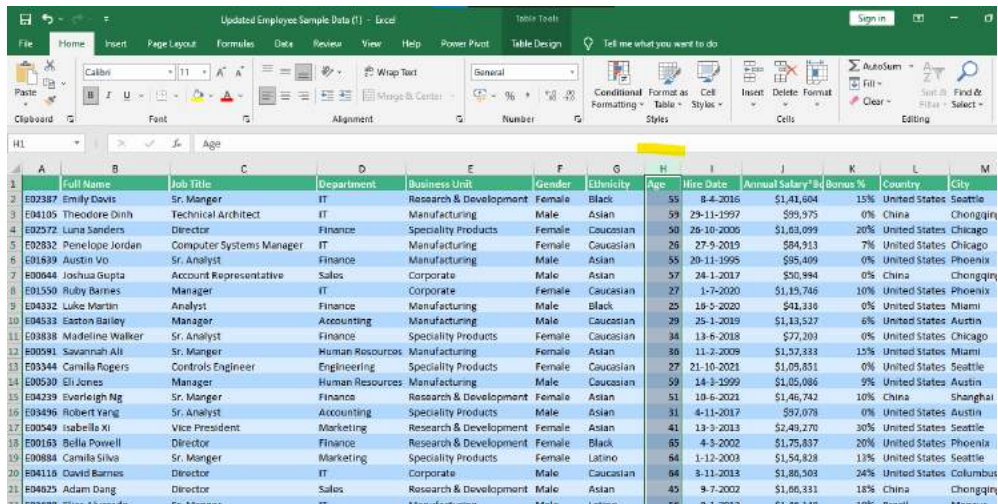
- After plotting graph we can select various chart design from the highlighted menu.



- Here from the above graph we can conclude that the Vice President and system administrator role has the highest salary.
- Analyst II has the lowest salary.

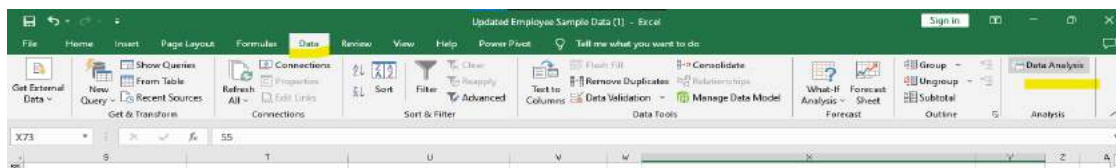
Descriptive Statistics Table for Age Column

- For generating Descriptive statistics table first we select age column from the given data.

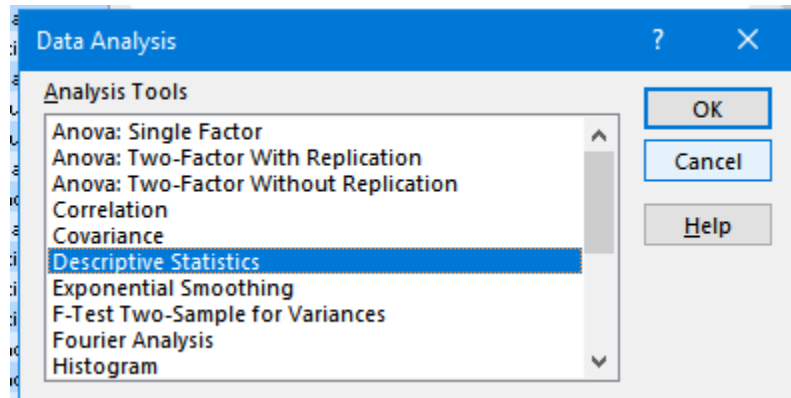


	A	B	C	D	E	F	G	H	I	J	K	L	M
	Full Name	Job Title	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	
1	E02387	Emily Davis	IT	Research & Development	Female	Black	55	8-4-2016	\$1,41,604	15%	United States	Seattle	
2	E04105	Theodore Dinh	IT	Manufacturing	Male	Asian	59	29-11-1997	\$99,975	0%	China	Chongqing	
3	E02572	Luna Sanders	Finance	Specialty Products	Female	Caucasian	50	26-10-2006	\$1,63,099	20%	United States	Chicago	
4	E02832	Penelope Jordan	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,913	7%	United States	Chicago	
5	E01699	Austin Vo	Finance	Manufacturing	Male	Asian	55	20-11-1995	\$85,409	0%	United States	Phoenix	
6	E00644	Joshua Gupta	Sales	Corporate	Male	Asian	37	24-1-2017	\$20,894	0%	China	Chongqing	
7	E01550	Ruby Barnes	Manager	IT	Corporate	Female	Caucasian	27	1-7-2020	\$1,15,746	10%	United States	Phoenix
8	E04332	Luke Martin	Analyst	Finance	Manufacturing	Male	Black	25	18-5-2020	\$41,116	0%	United States	Miami
9	E04533	Easton Bailey	Manager	Accounting	Manufacturing	Male	Caucasian	29	25-1-2018	\$1,13,527	6%	United States	Austin
10	E03838	Madelina Walker	Sr. Analyst	Finance	Specialty Products	Female	Caucasian	34	13-6-2018	\$77,201	0%	United States	Chicago
11	E00981	Savannah Ali	Sr. Manager	Human Resources	Manufacturing	Female	Asian	30	11-2-2008	\$1,32,133	15%	United States	Miami
12	E05344	Camilla Rogers	Controls Engineer	Engineering	Specialty Products	Female	Caucasian	27	21-10-2021	\$1,09,851	0%	United States	Seattle
13	E00530	Gi Jones	Manager	Human Resources	Manufacturing	Male	Caucasian	59	14-3-1999	\$1,05,086	9%	United States	Austin
14	E04239	Everleigh Ng	Sr. Manager	Finance	Research & Development	Female	Asian	51	10-6-2021	\$1,46,742	10%	China	Shanghai
15	E03496	Robert Yang	Sr. Analyst	Accounting	Specialty Products	Male	Asian	31	4-11-2017	\$97,078	0%	United States	Austin
16	E00549	Isabella Xi	Vice President	Marketing	Research & Development	Female	Asian	41	13-3-2013	\$2,49,270	30%	United States	Seattle
17	E00163	Bella Powell	Director	Finance	Research & Development	Female	Black	65	4-3-2002	\$1,75,837	20%	United States	Phoenix
18	E00884	Camila Silva	Sr. Manager	Marketing	Specialty Products	Female	Latino	64	1-12-2003	\$1,54,828	13%	United States	Seattle
19	E04118	David Barnes	Director	IT	Corporate	Male	Caucasian	64	3-11-2013	\$1,86,503	24%	United States	Columbus
20	E04625	Adam Dang	Director	Sales	Research & Development	Male	Asian	45	9-7-2002	\$1,06,331	18%	China	Chongqing
21	E05688	Steve & Jennifer	Sr. Manager	IT	Manufacturing	Male	Latino	54	9-1-2013	\$1,46,140	10%	Brazil	Moscow

- Now we will go to data menu and select the data analysis option from the menu bar.



- After selecting data analysis option we have lot of options to perform on a specific column so we will choose descriptive statistics method and click ok.



- After selecting it we will need to give input and output range we will select age column for input range and for output we can select the cell where we want to print table or we can choose new sheet option to print table on new sheet.

	D	E	F	G	H	I	J	K	L	M	N
	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date
	IT	Research & Development	Female	Black	55	8-4-2016	\$1,41,604	15%	United States	Seattle	#####
	IT	Manufacturing	Male	Asian	59	#####	\$99,375	0%	China	Chongqing	
	Finance	Speciality Products	Female	Caucasian	50	#####	\$1,63,099	20%	United States	Chicago	
ger	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,913	7%	United States	Chicago	
	Finance	Manufacturing	Male	Asian	55	#####	\$95,409	0%	United States	Phoenix	
	Sales	Corporate	Male	Asian	57	24-1-2017	\$50,994	0%	China	Chongqing	
	IT	Corporate	Female								
	Finance	Manufacturing	Male								20-5-20
	Accounting	Manufacturing	Male								
	Finance	Speciality Products	Female								
	Human Resource	Manufacturing	Female								
	Engineering	Speciality Products	Female								
	Human Resource	Manufacturing	Male								
	Finance	Research & Development	Female								
	Accounting	Speciality Products	Male								9-3-202
	Marketing	Research & Development	Female								
	Finance	Research & Development	Female								
	Marketing	Speciality Products	Female								
	IT	Corporate	Male								
	Sales	Research & Development	Male								
	IT	Manufacturing	Male								
	Sales	Manufacturing	Female								
	IT	Research & Development	Male								
	Sales	Speciality Products	Male								
	Sales	Speciality Products	Male								
	Human Resource	Speciality Products	Male								
	Engineering	Corporate	Female								
	Engineering	Speciality Products	Male								
	Engineering	Speciality Products	Male								
	IT	Corporate	Male								
	IT	Research & Development	Male	Asian	28	25-6-2017	\$54,775	0%	United States	Columbus	
	Finance	Manufacturing	Male	Latino	65	16-5-2004	\$55,499	0%	Brazil	Manaus	
	Sales	Research & Development	Male	Caucasian	61	11-7-2008	\$66,521	0%	United States	Seattle	

Descriptive Statistics

Input

Input Range:

Grouped By: ☒ Columns ☐ Rows

☒ Labels in first row

Output options

☒ Output Range:

☐ New Worksheet Ply:

☐ New Workbook

☒ Summary statistics

☐ Confidence Level for Mean: %

☐ Kth Largest:

☐ Kth Smallest:

OK

Cancel

Help

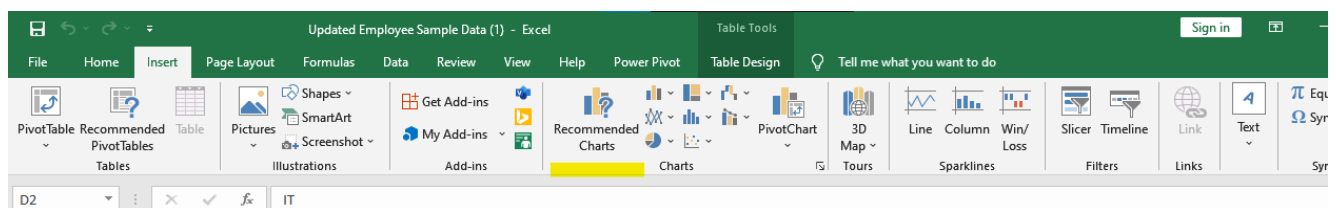
Descriptive Statistics Table for Age Column	
Age	
Mean	44.382
Standard Error	0.355660752
Median	45
Mode	45
Standard Deviation	11.24698051
Sample Variance	126.4945706
Kurtosis	-1.081122744
Skewness	0.022986503
Range	40
Minimum	25
Maximum	65
Sum	44382
Count	1000

- From the above table we can notice the Mean , Median , Maximum , Minimum and total count for the Age column.

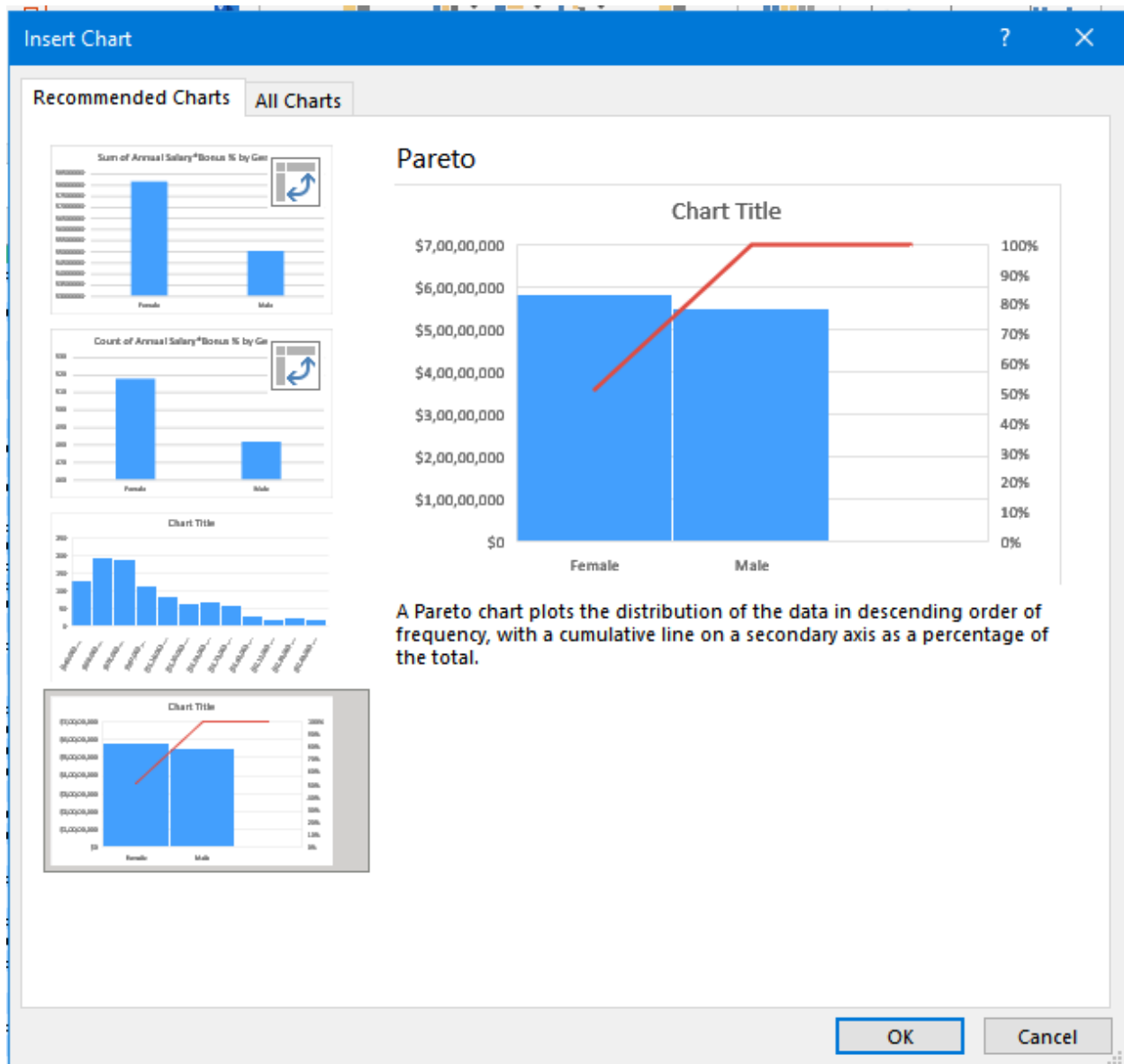
Annual Salary Vs Gender

From this graph we can find that which gender has the maximum salary
Steps to plot chart.

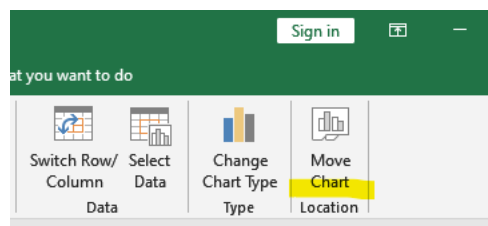
- First of all we need to select Annual salary and gender column after that we will select recommended chart option.

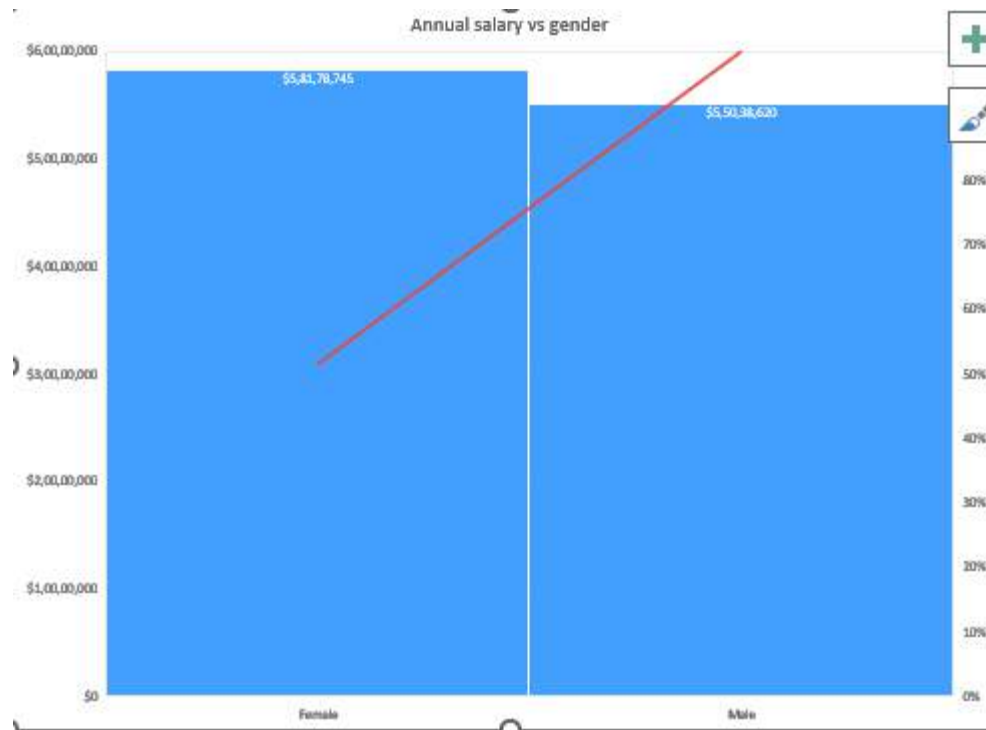


- From that option we select pareto chart to plot the chart.



- After selecting it we will choose move chart option to plot chart in new sheet from chart design option and we will also rename the sheet..





- From the above graph we can see that Annual salary of Female is higher than the Salary.

Annual Salary vs Country

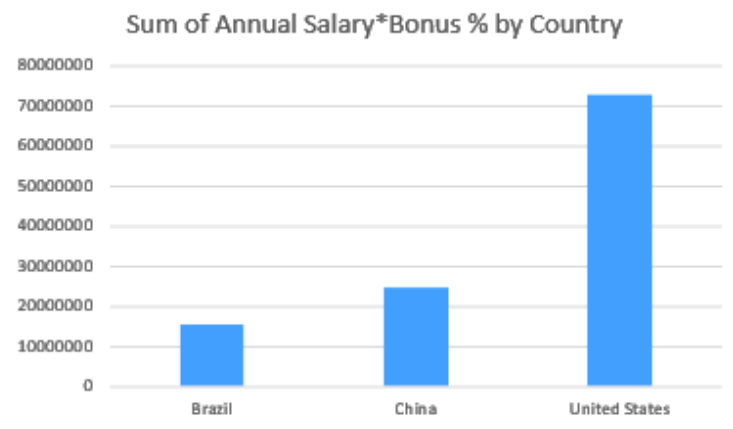
- **Steps to plot this chart.**
- First of all we select the annual salary and country column from the data.
- From the recommendation option we will choose clustered column chart to get better visualization of Annual salary sv country.

Recommended Charts

All Charts



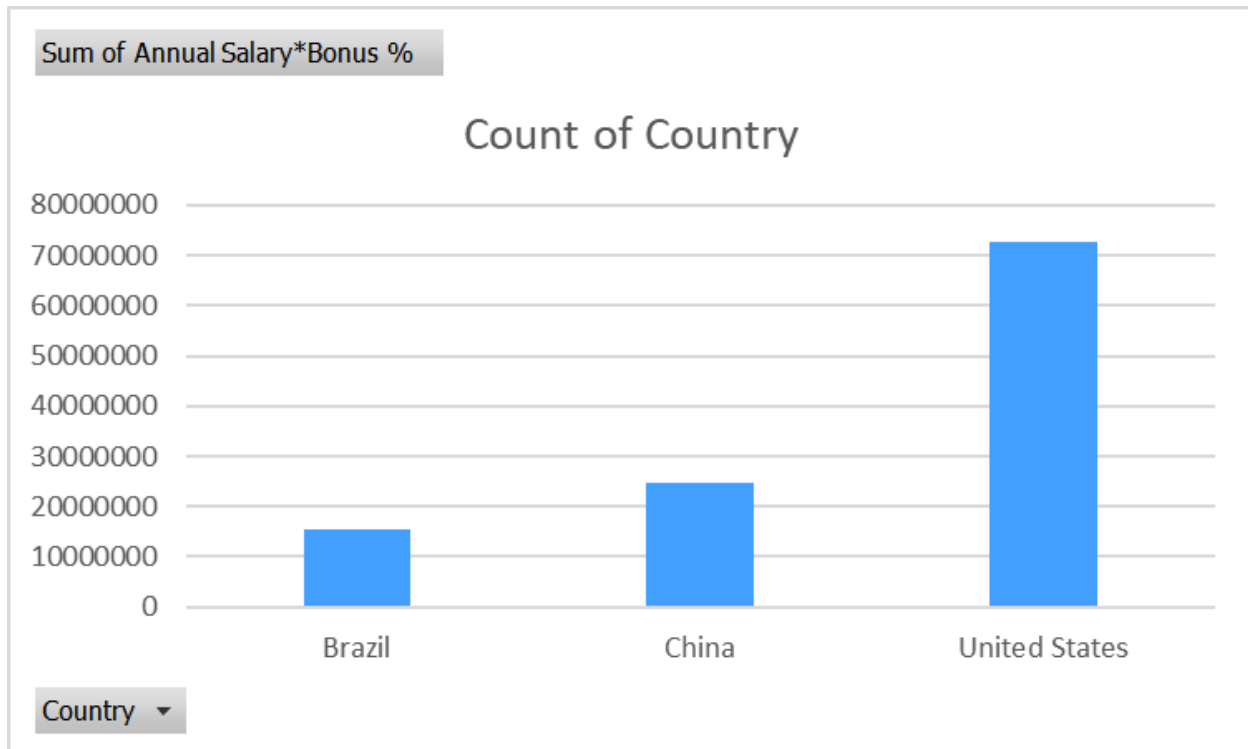
Clustered Column



A clustered column chart is used to compare values across a few categories. Use it when the order of categories is not important.

OK

Cancel



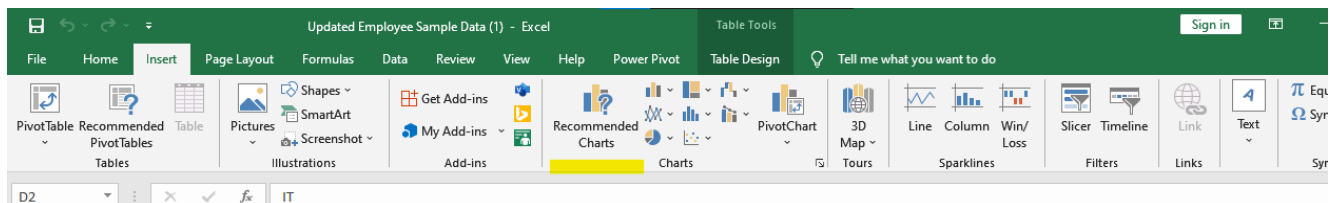
- From this graph we can notice that Brazil has the lowest annual salary.
- United States has the highest Annual Salary.

Business Unite vs Gender

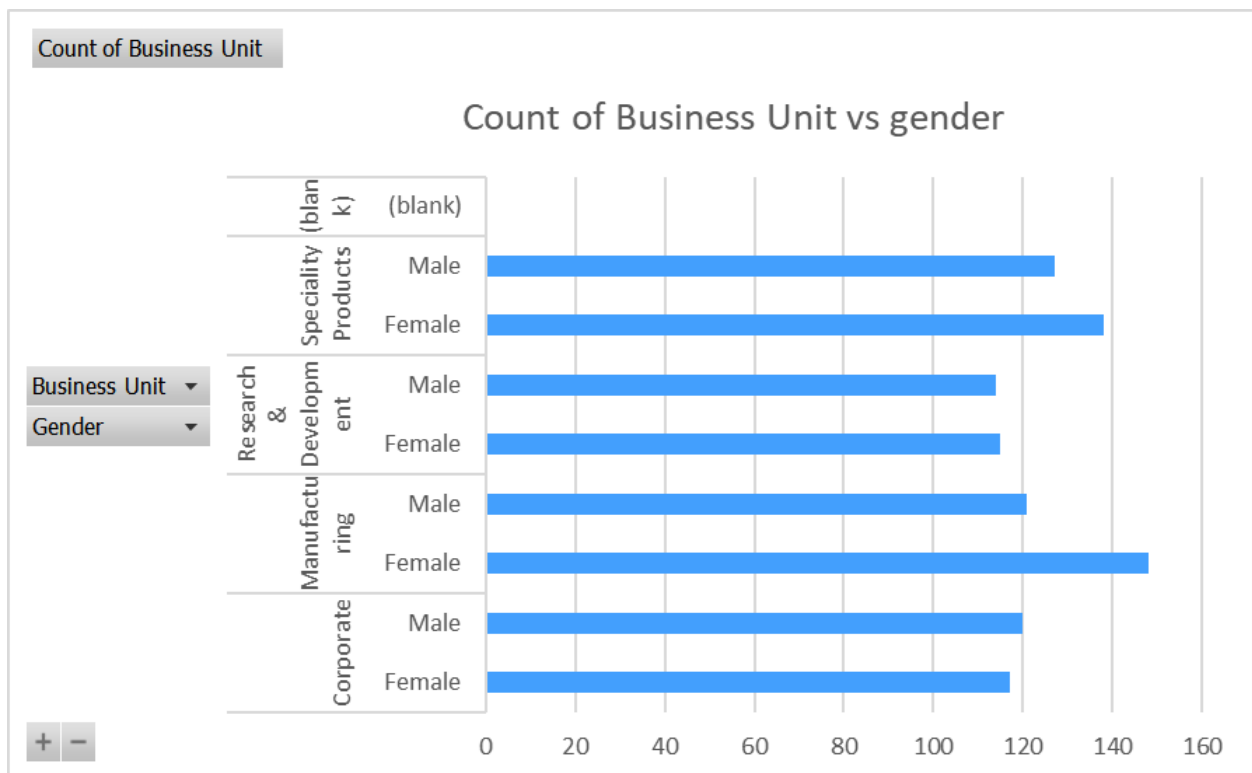
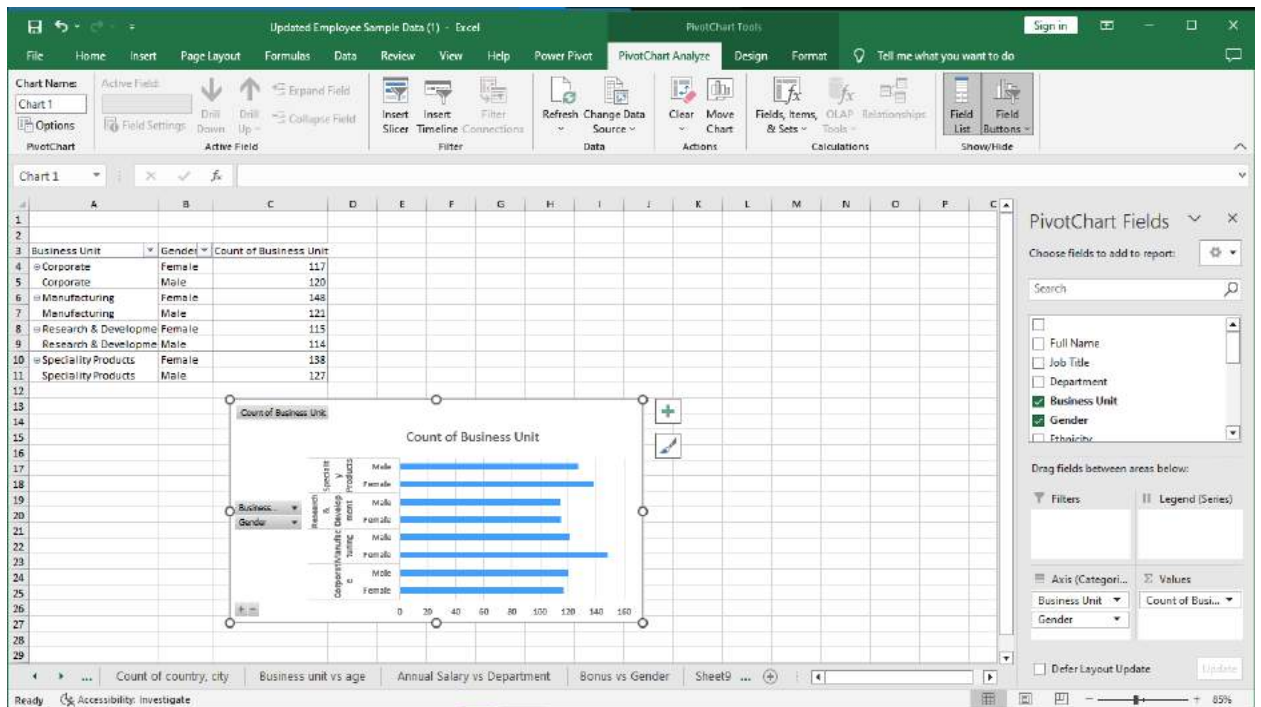
From this graph we can observe which Business Unit has the Highest number of male or female employees.

Steps for plotting this chart

- For plotting this pivot chart we will select recommended chart option.



- Now from that chart we will select clustered column chart and we will select business unit and gender as pivot chart fields.



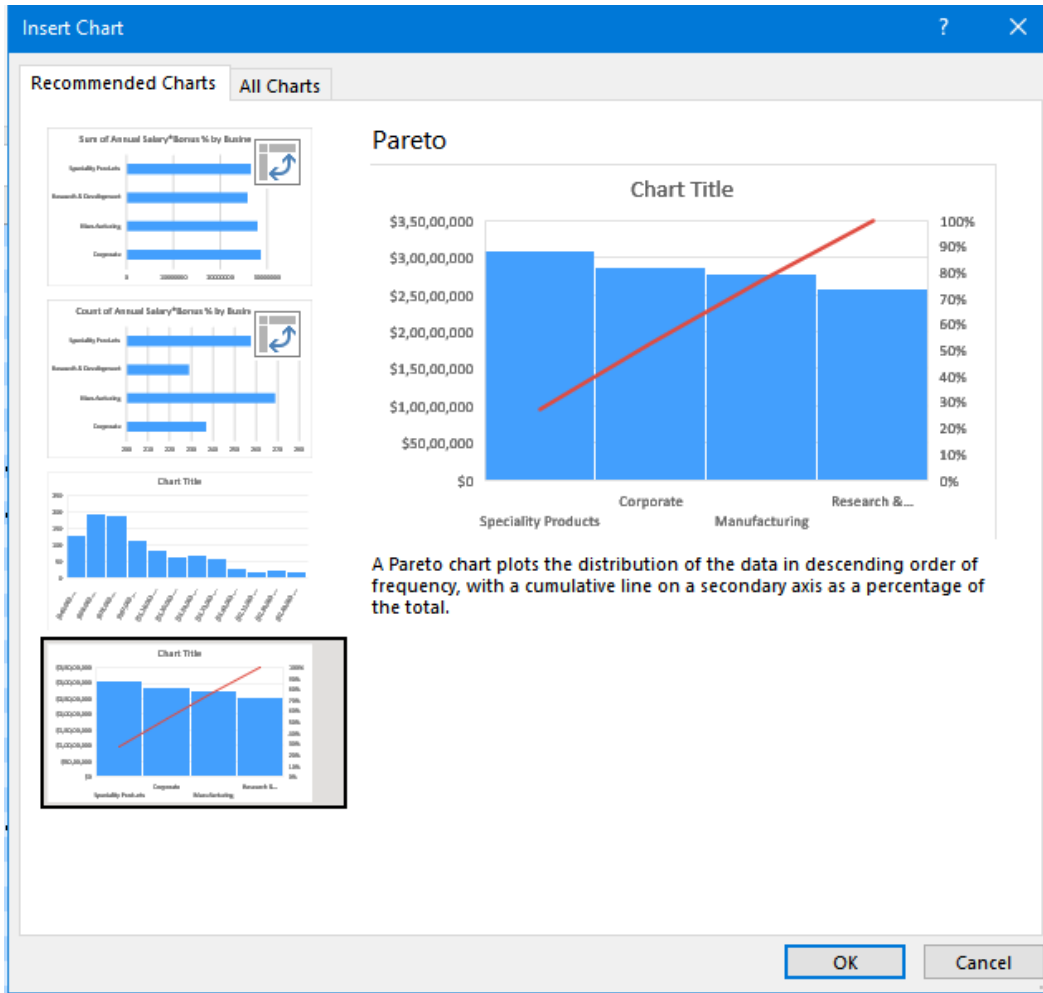
- Here we can identify that Manufacturing Unit has the highest number of female employees among all Business Unit.
- Research and Development unit has the lowest number of employees in all business unit.

Business unit vs Annual Salary

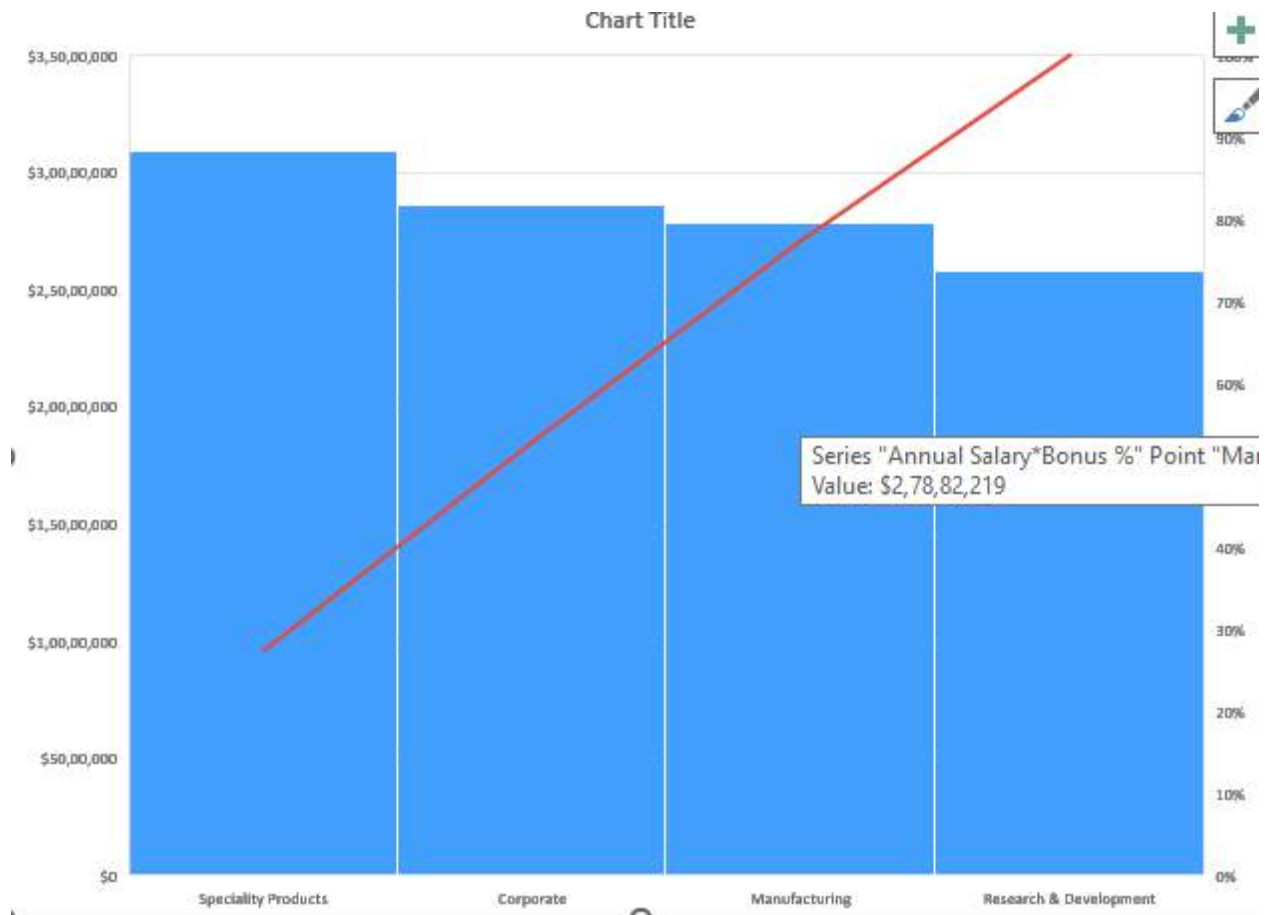
From this graph we can notice that which business unit provide highest salary.

Steps to plot the chart

- Here we select business unit and annual salary column to plot this chart.
- After selecting column we will go to insert menu and select recommended charts menu to see the best chart option.



- From that option we will select pareto chart option to visualize the business unit vs annual salary chart.



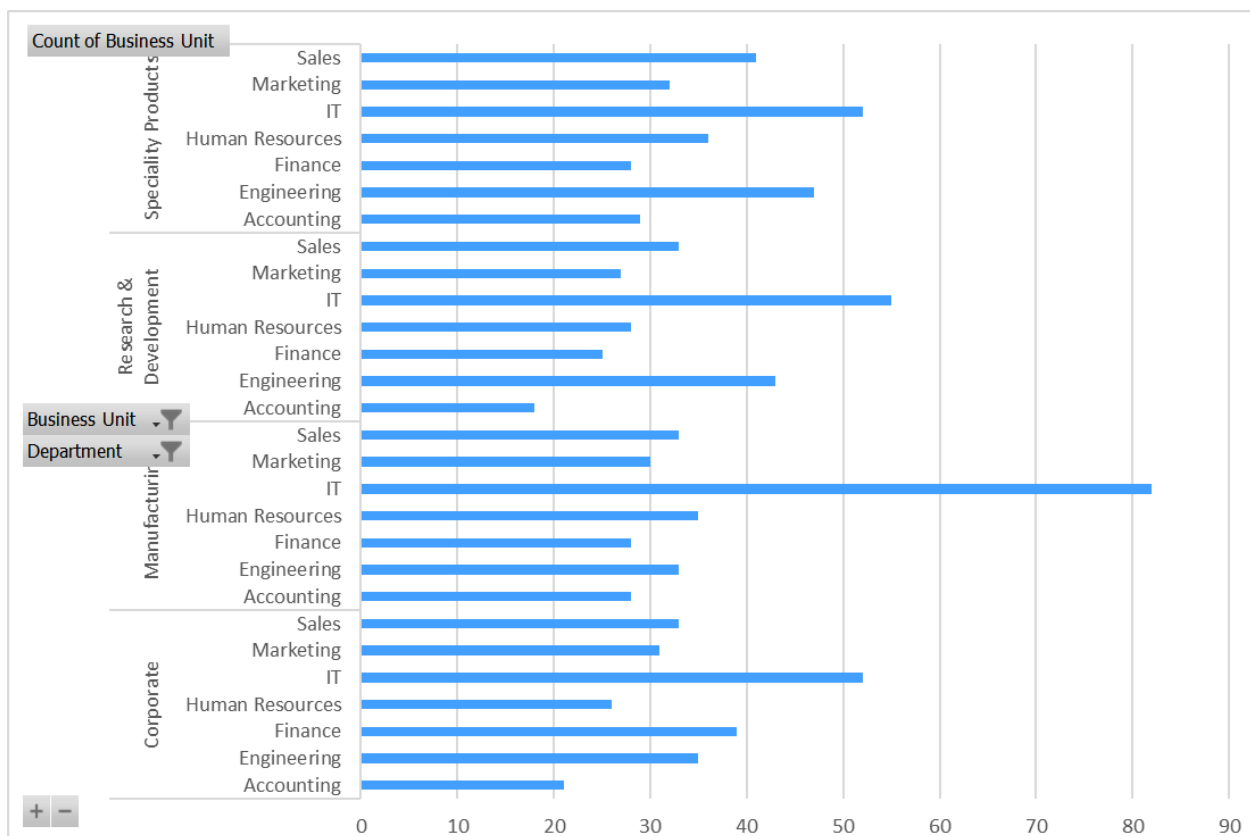
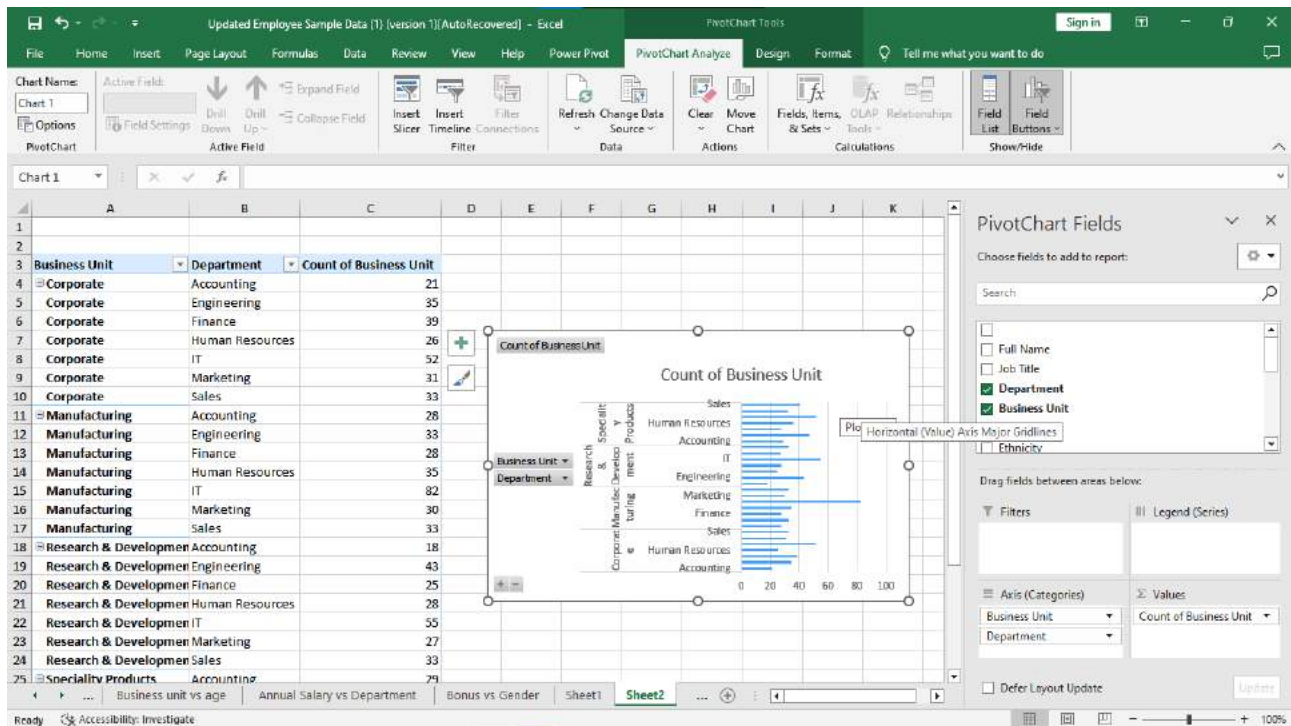
- Here we can observe that highest salary provided by Speciality Products units.
- Lowest annual salary has been provided by Research and Development Unit.

Business unit vs Departments

From this graph we can observe that which department of business unit has the highest number of count.

Steps for plotting chart.

- For plotting this graph first of all we select the business unit and Department column.
- After that we will select recommended chart option from that we will select clustered bar graph option.



- Here we can notice that IT department of Manufacturing unit has the highest number of counts of business units.

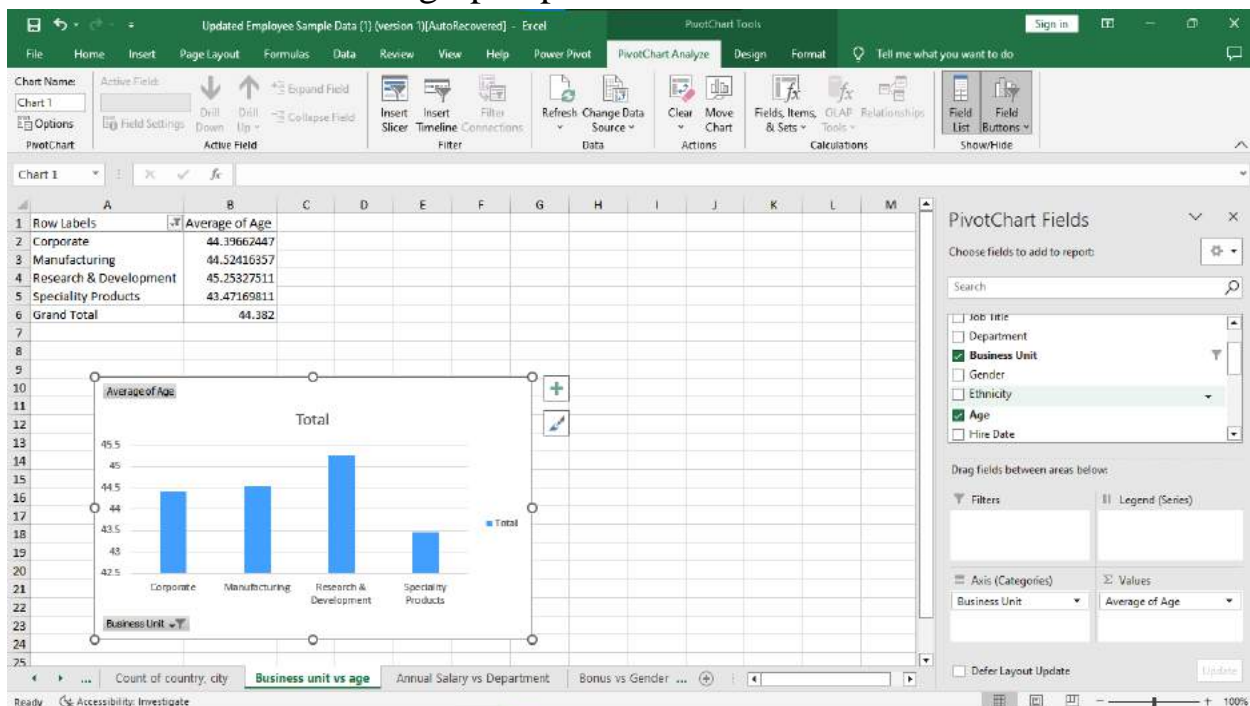
- Accounting department of Research and Development unit has the lowest number of counts of business units.

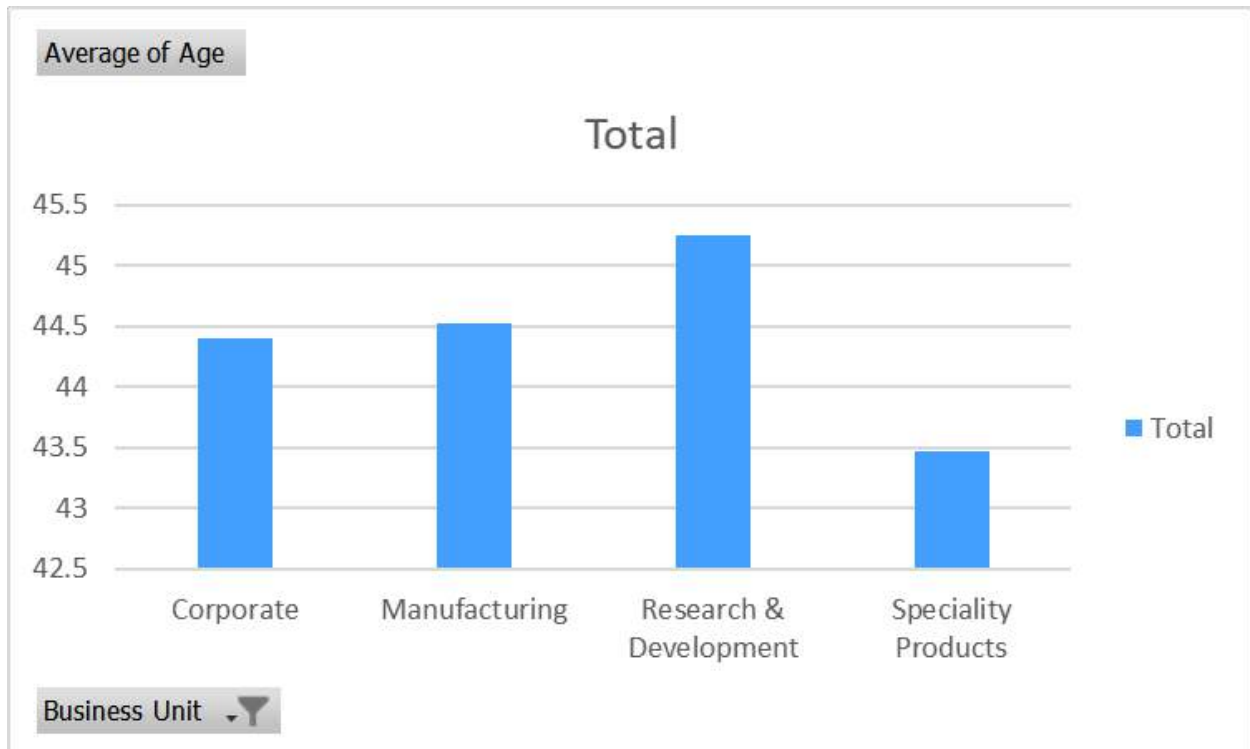
Business unit vs age

From this graph we can identify the average age of the employee by the business unit.

Steps for plotting chart.

- For plotting this graph first of all we select the business unit and Age column.
- After that we will select recommended chart option from that we will select clustered bar graph option.





- From the above graph we can observe that Research and Development unit has the highest average of age.
- Speciality Products has the lowest average of employee.

Hire date and Bonus

From this graph we can notice the bonus percentage with respect to hire date.
Steps to plot this chart.

- For plotting this graph first of all we select the Hire date and Bonus column.
- After that we will select recommended chart option from that we will select clustered column graph option.

?

All Charts



A bar chart with the x-axis labeled 'Age' and the y-axis labeled 'Number of people'. The x-axis has five categories: 10-19, 20-29, 30-39, 40-49, and 50-59. The y-axis has a scale from 0 to 100 in increments of 20. The bars represent the following values: 10-19 is 40, 20-29 is 60, 30-39 is 30, 40-49 is 50, and 50-59 is 80.

Age Group	Percentage
18-29	~65%
30-49	~55%
50-69	~45%
70+	~35%

A scatter plot with a grid. The x-axis is labeled 'X' and the y-axis is labeled 'Y'. There are 10 data points plotted, showing a clear positive linear trend. The points are approximately at (1, 2), (2, 3), (3, 4), (4, 5), (5, 6), (6, 7), (7, 8), (8, 9), (9, 10), and (10, 11).

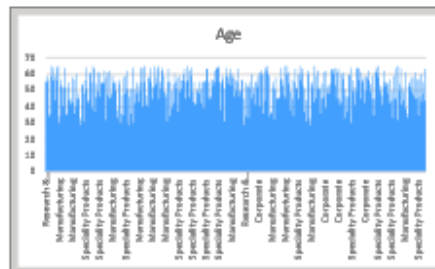
Age Group	Number of People
18-24	25
25-34	35
35-44	45
45-54	55
55-64	65
65+	75


$$\begin{bmatrix} \dot{I}_1 \\ \dot{I}_2 \\ \dot{I}_3 \end{bmatrix}$$

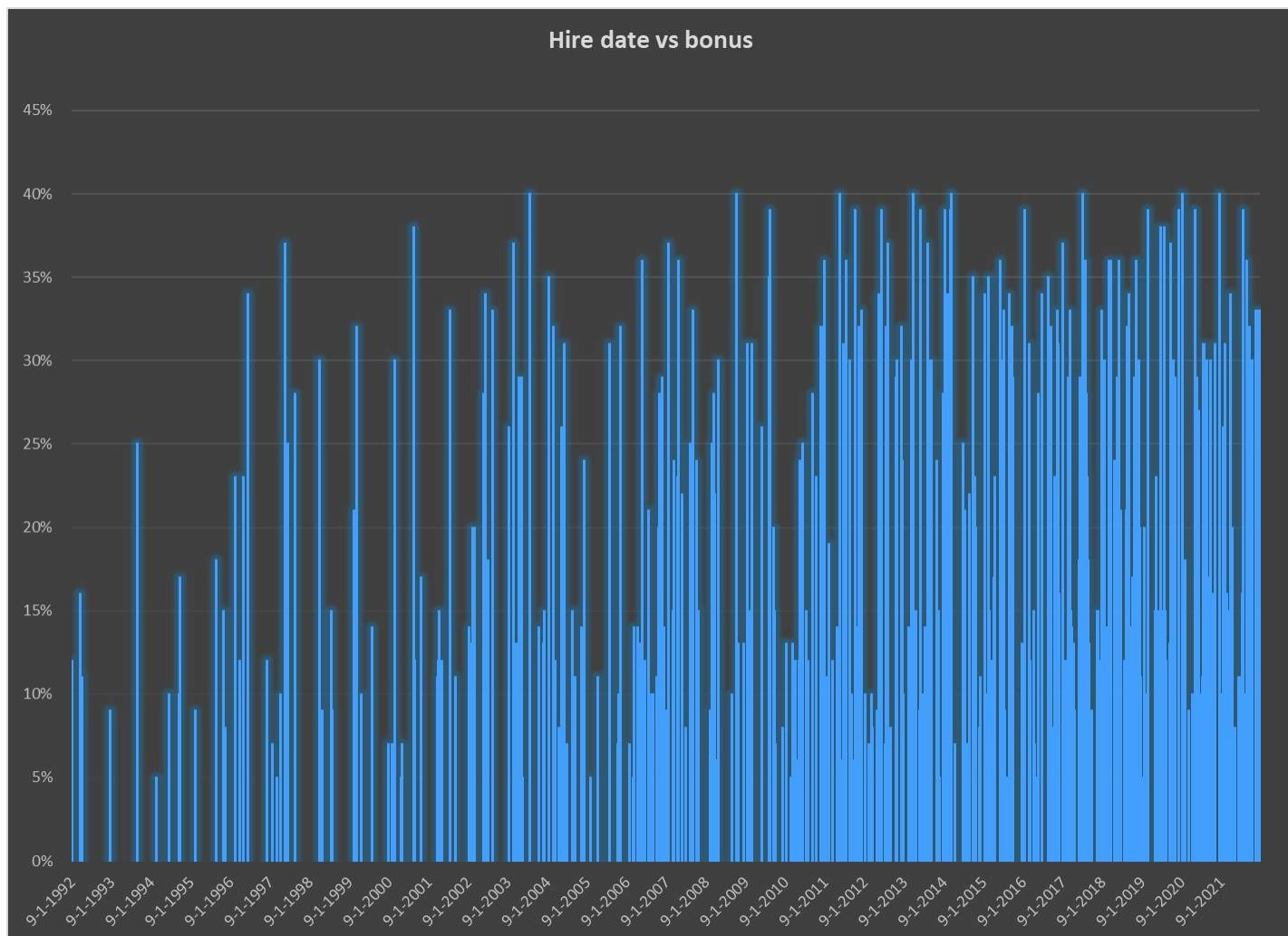
A bar chart with 'Age Group' on the x-axis and 'Number of People' on the y-axis. The x-axis categories are '18-24', '25-34', '35-44', '45-54', and '55+'. The y-axis has a scale from 0 to 100 in increments of 20. The bars represent the following values: 18-24 is 40, 25-34 is 60, 35-44 is 50, 45-54 is 30, and 55+ is 20.



Clustered Column



Cancel



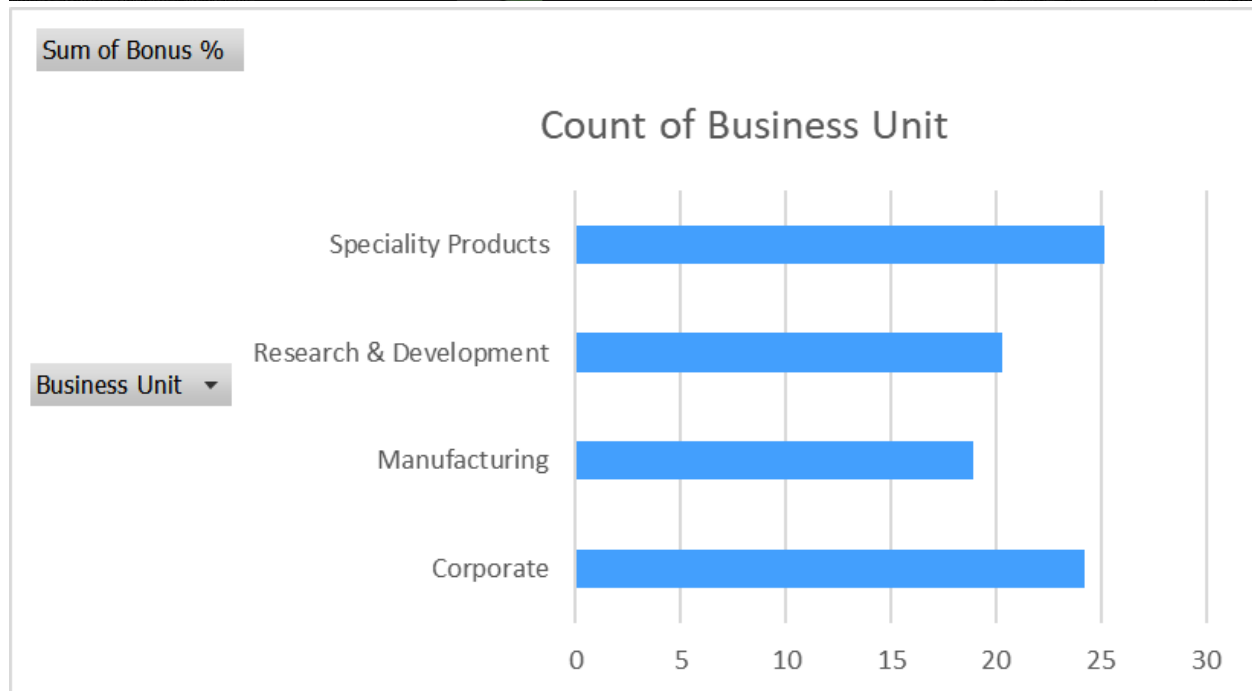
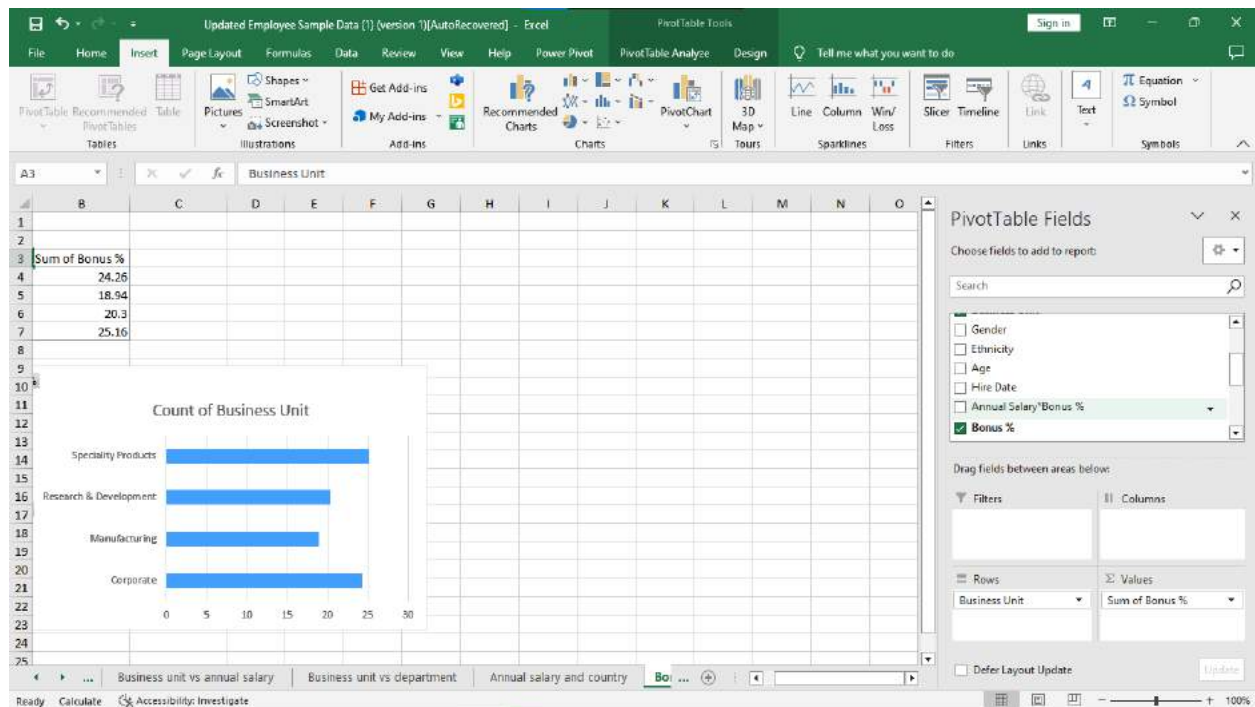
- From this graph we can observe that employee hired on 9-1-2004 has the highest bonus.
- The employee hired on 9-1-1997 has the lowest bonus percentage.

Business unit vs bonus

From this graph we can identify the trend of the bonus among business units.

Steps to plot this chart.

- For plotting this graph first of all we select the business unit and bonus column.
- After that we will select recommended chart option from that we will select clustered column graph option.



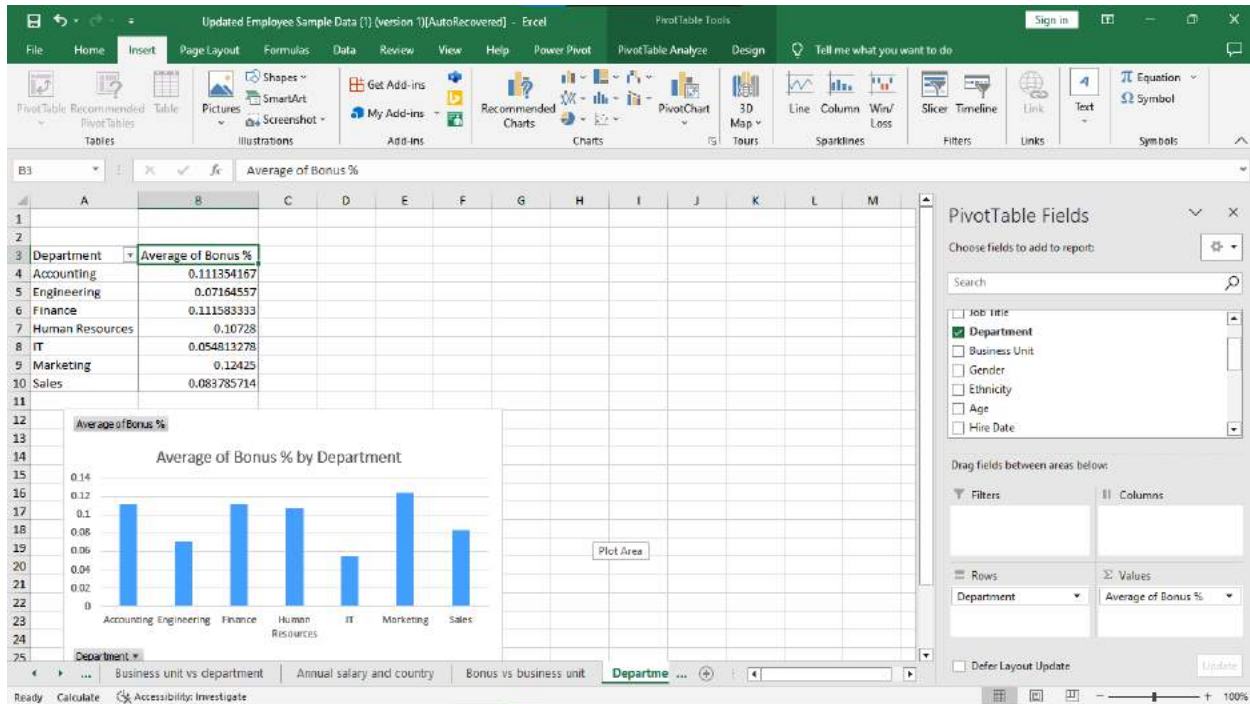
- From this graph we can observe that Speciality Unit has the highest percentage of bonus.
- Manufacturing unit has the lowest percentage of bonus.

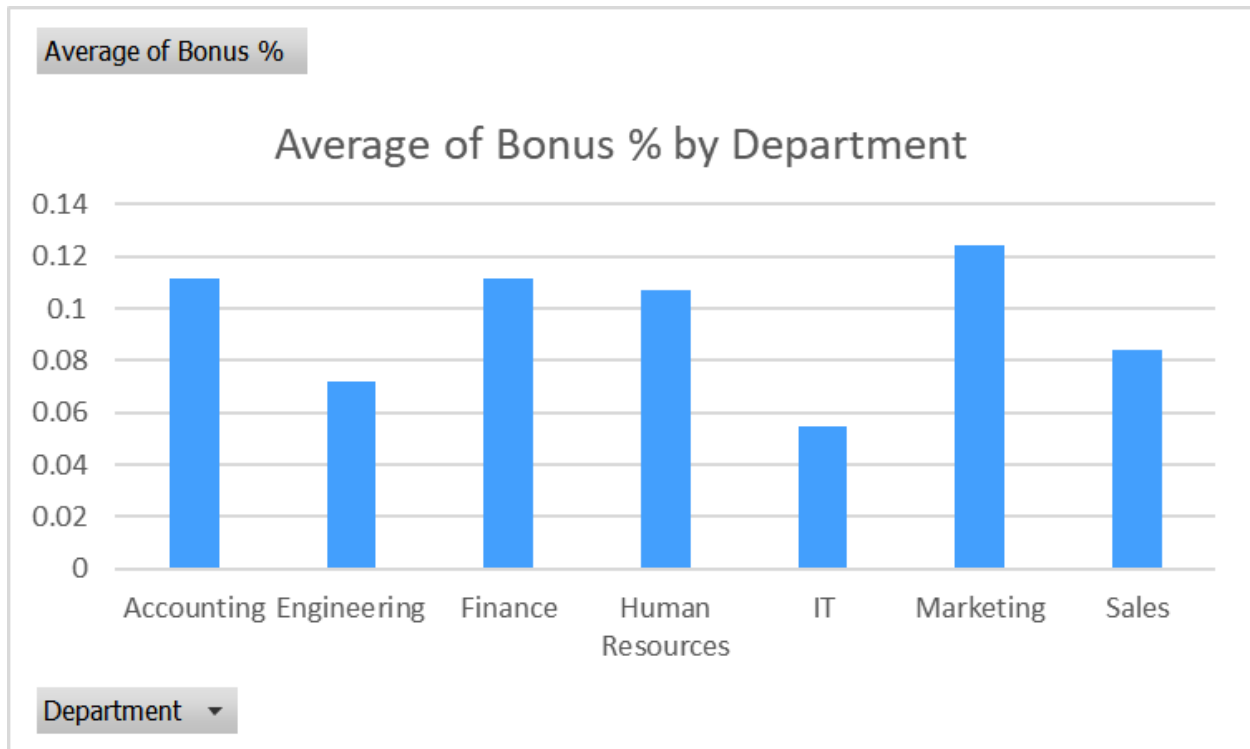
Department vs bonus

From this graph we can observe that the highest bonus provided by department wise.

Steps to plot this chart.

- For plotting this graph first of all we select the Department and Bonus column.
- After that we will select recommended chart option from that we will select clustered column graph option.





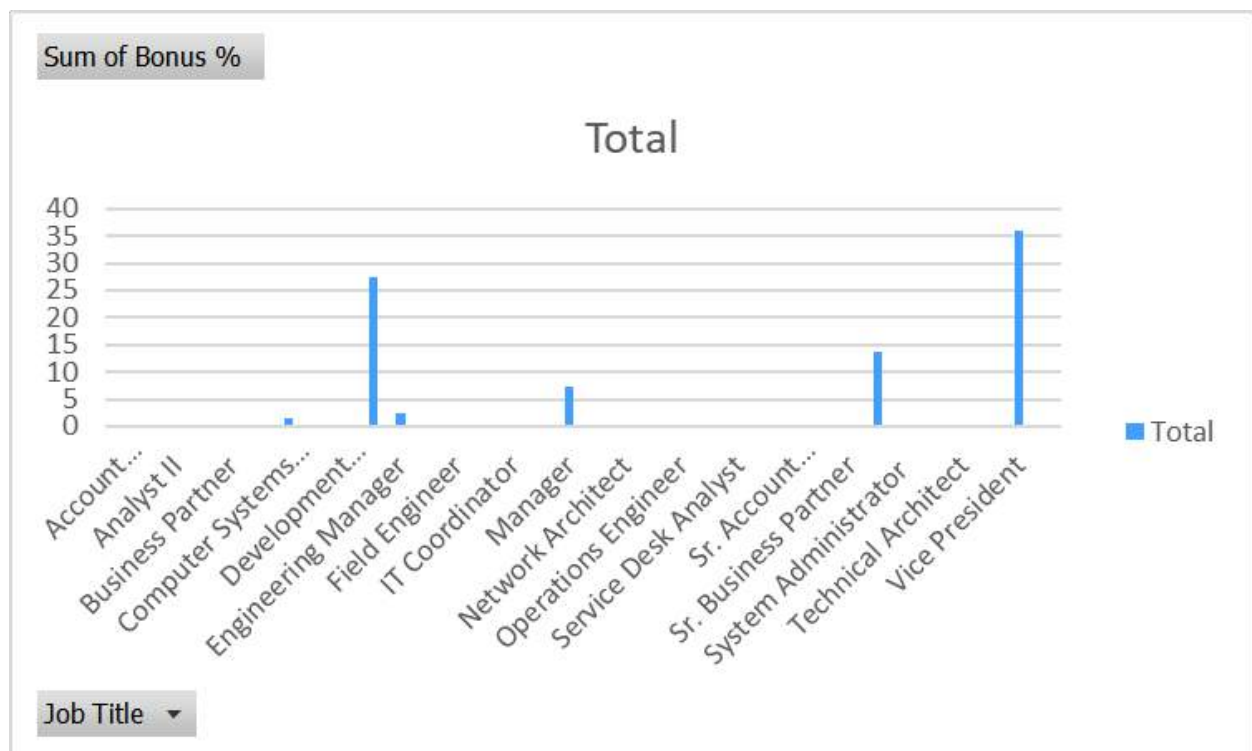
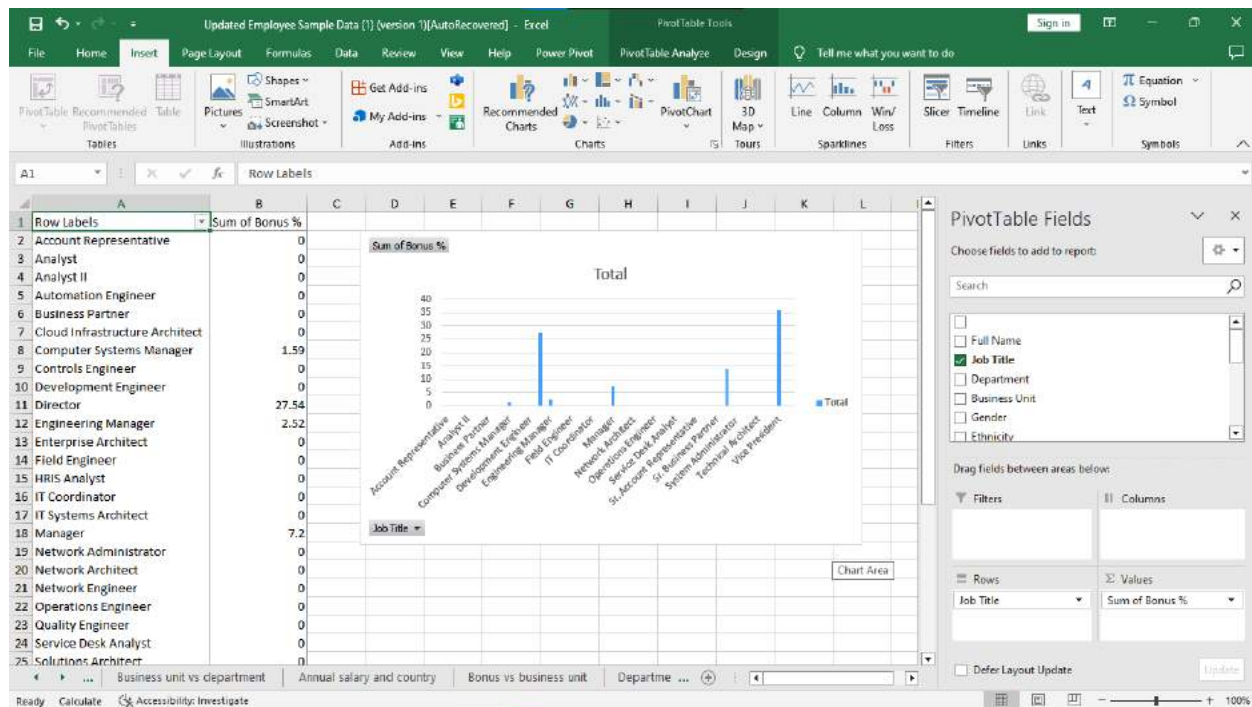
- Here we can notice that Marketing department has the highest bonus percentage and IT department has the lowest percentage of bonus.

Job Title vs Bonus

From this graph we can notice the Bonus rate with respect to Job Title.

Steps to plot this chart.

- For plotting this graph first of all we select the Job Title and Bonus column.
- After that we will select recommended chart option from that we will select clustered column graph option.



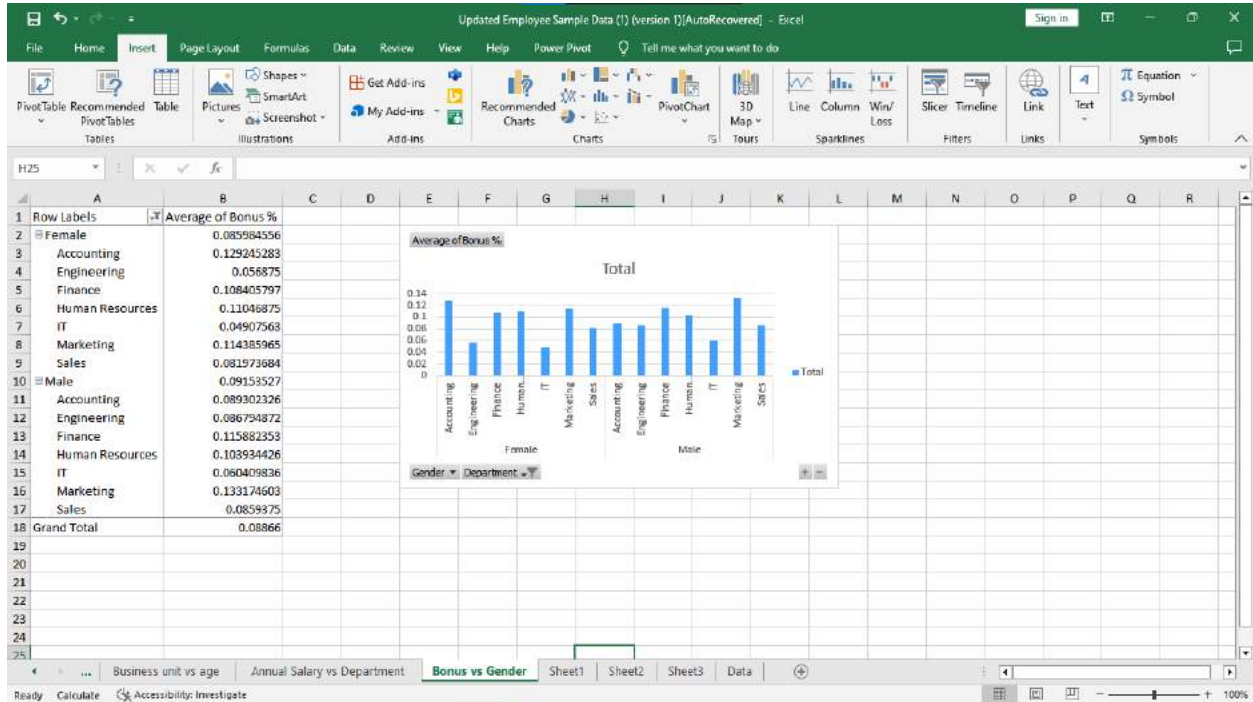
- Here we can identify that the highest rate of bonus is provided to Vice President and lowest rate of bonus has been provided to Computer System Manager.

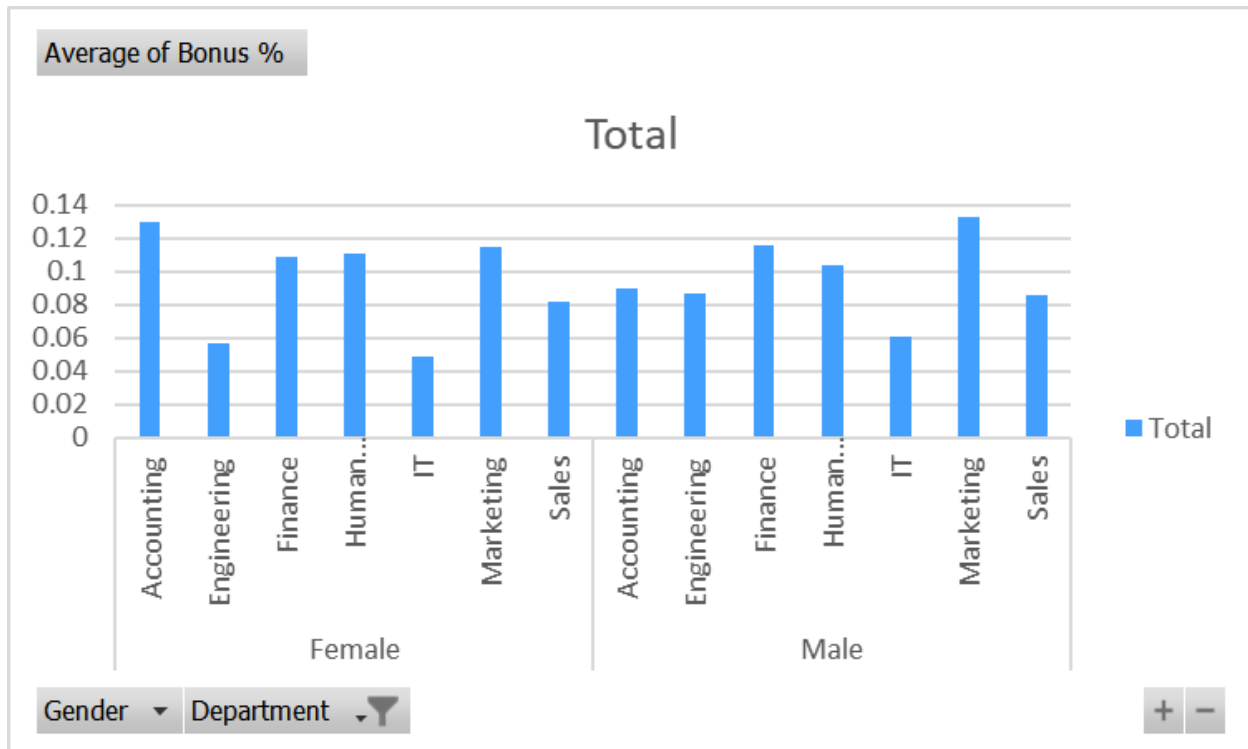
Gender vs Bonus

From this graph we can observe the bonus rates with respect to gender.

Steps to plot this chart.

- For plotting this graph first of all we select the Gender and bonus column.
- After that we will select recommended chart option from that we will select clustered column graph option.





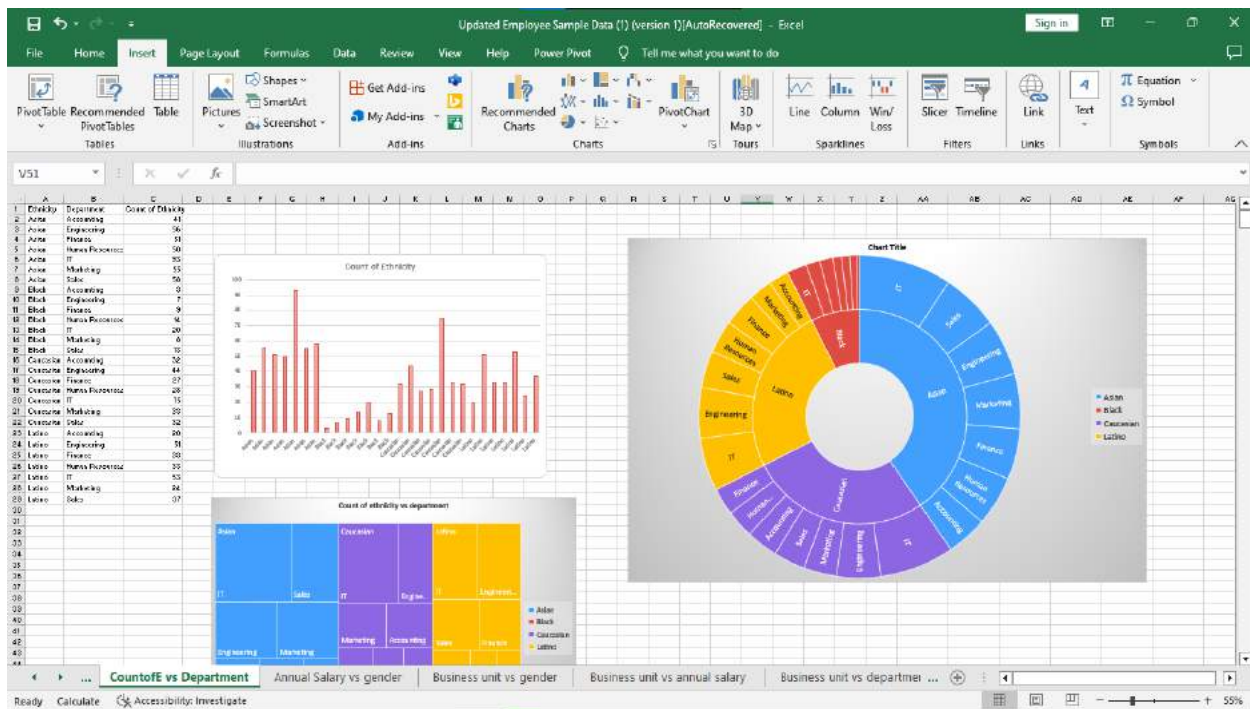
- From the above graph we can observe that male employees from marketing department have the highest average bonus rates whereas female from IT department have the lowest ratio.

Count of Ethnicity vs Department

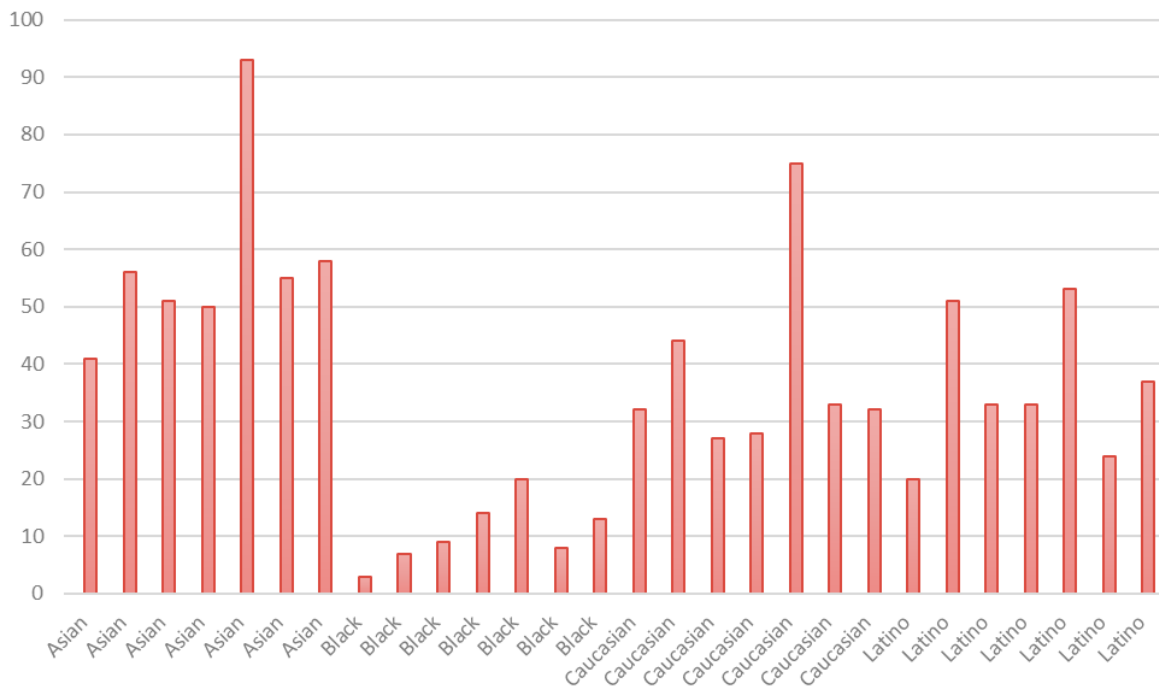
From this graph we can observe which ethnicity has the highest count for which department.

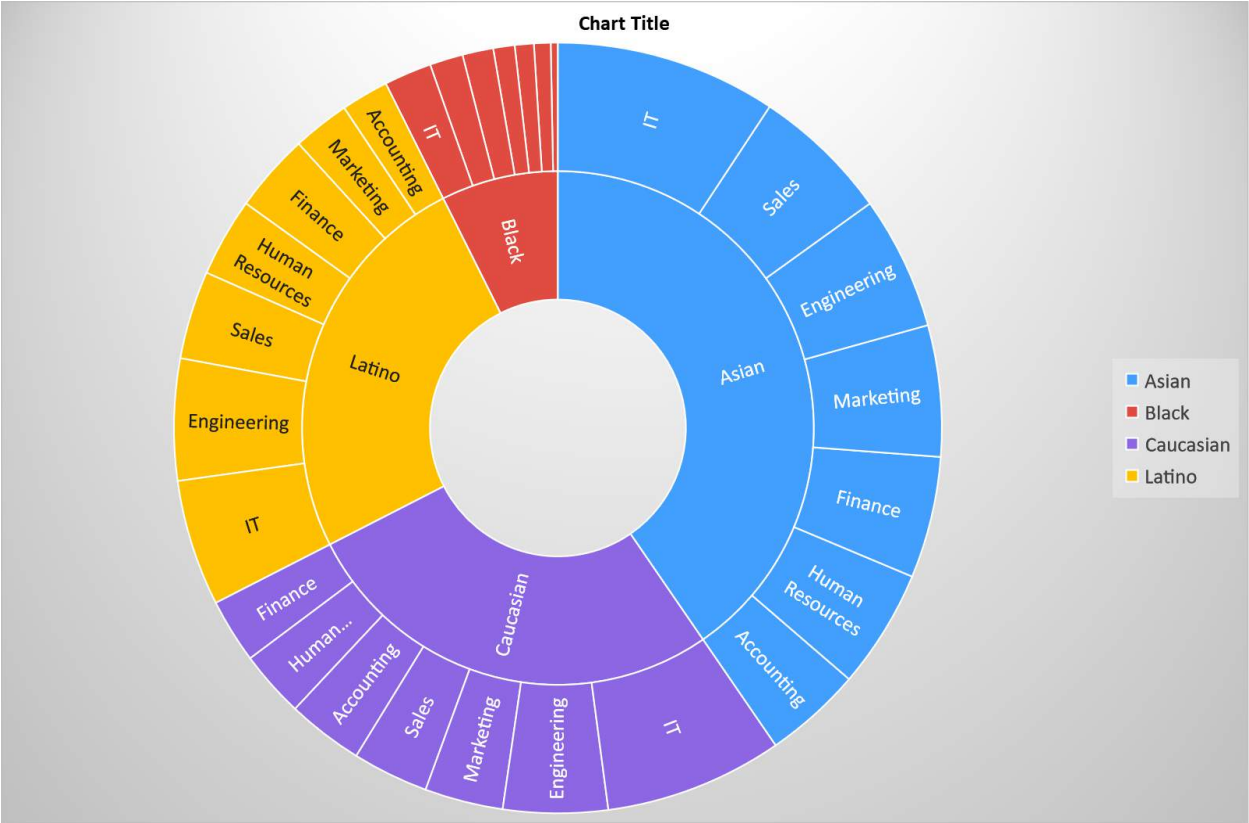
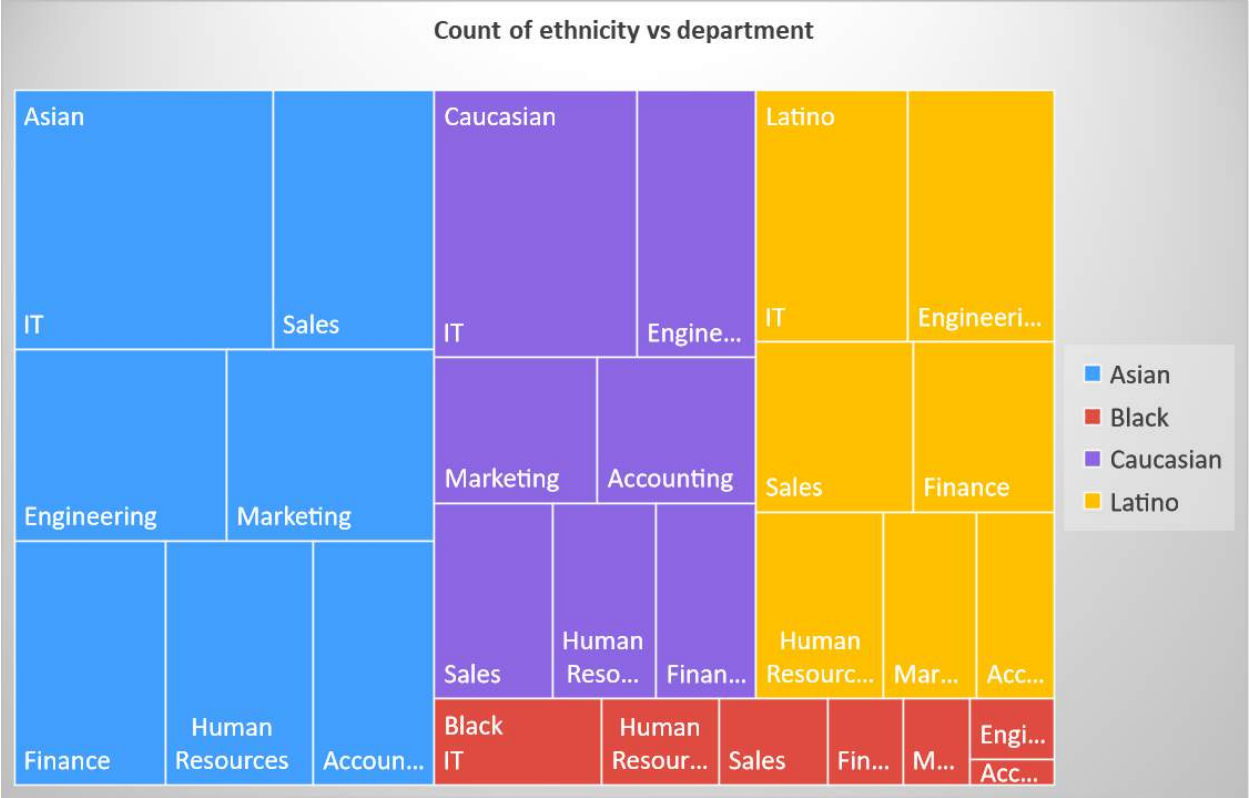
Steps to plot this chart.

- For plotting this set of graphs first of all we select the Count of Ethnicity and Department column.
- After that we will select recommended chart option from that we will select the multiple appropriate graph option.



Count of Ethnicity



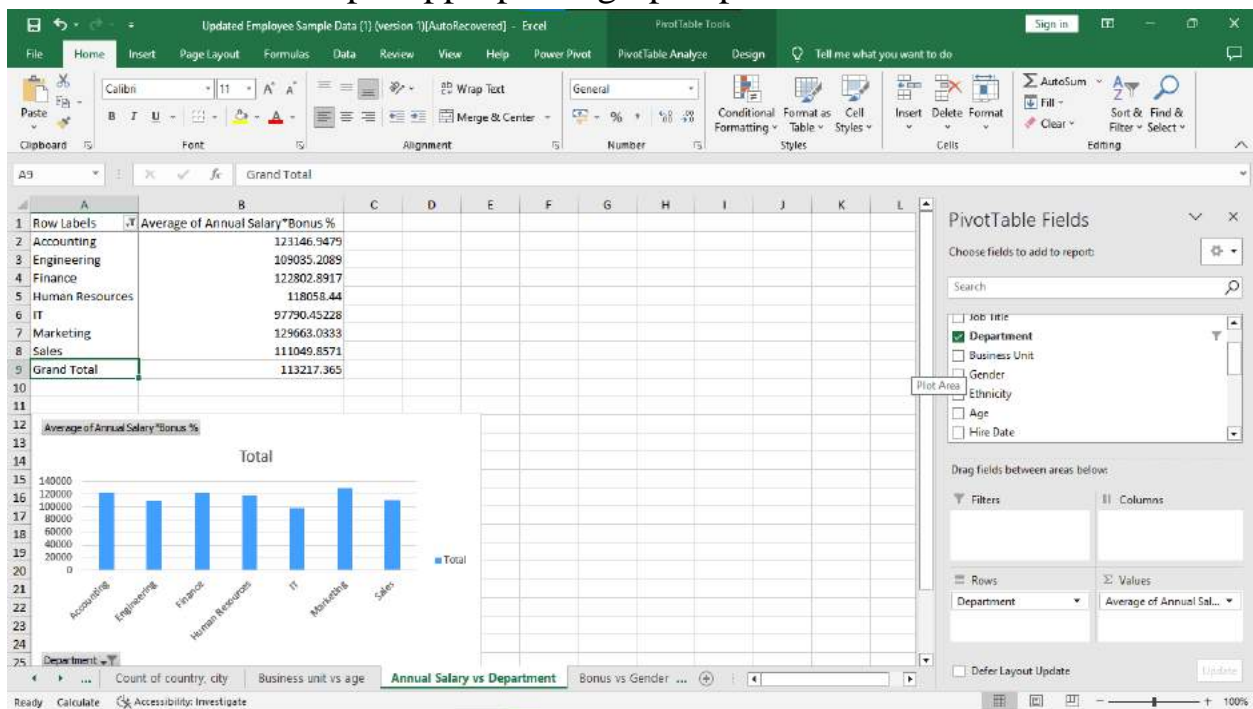


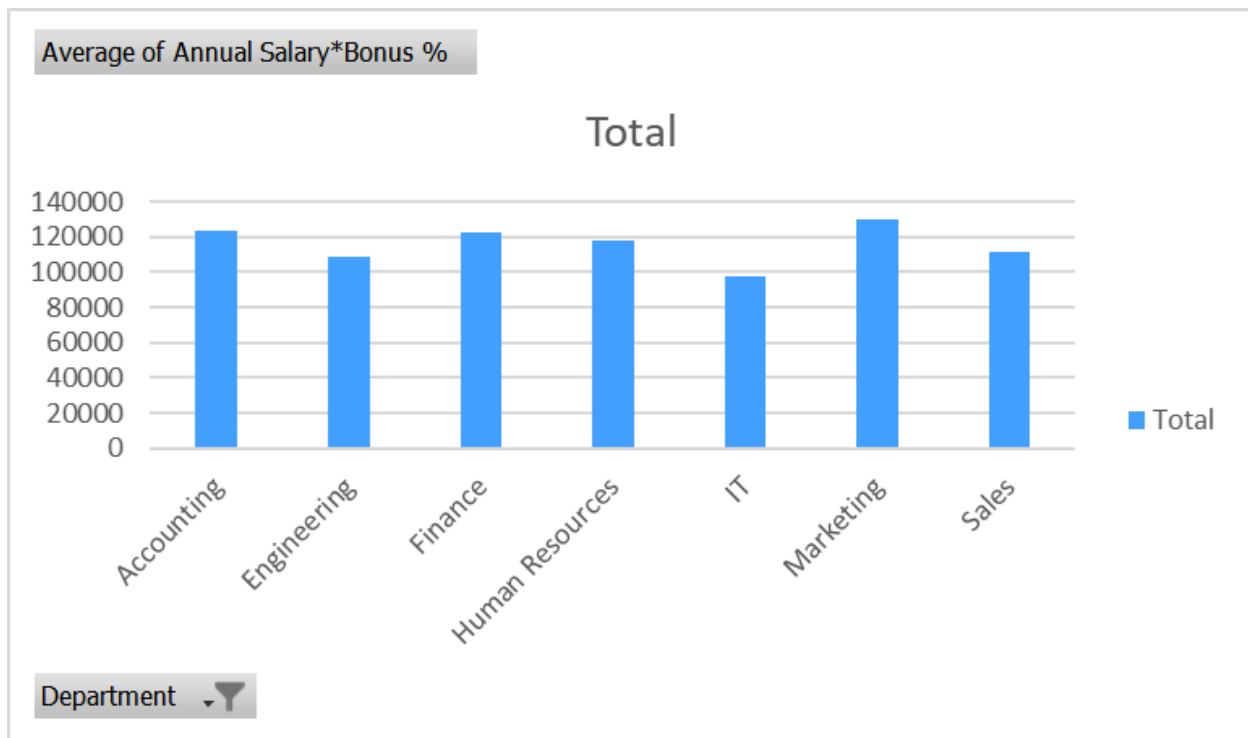
- From the above graphs we can notice that Asian Ethnicity for IT department has the highest count among all the counts.
- Black ethnicity for accounting department has the lowest count of 3.

Average annual salary vs Department

Steps to plot this chart.

- For plotting this set of graph first of all we select the Count of Ethnicity and Department column.
- After that we will select recommended chart option from that we will select the multiple appropriate graph option.



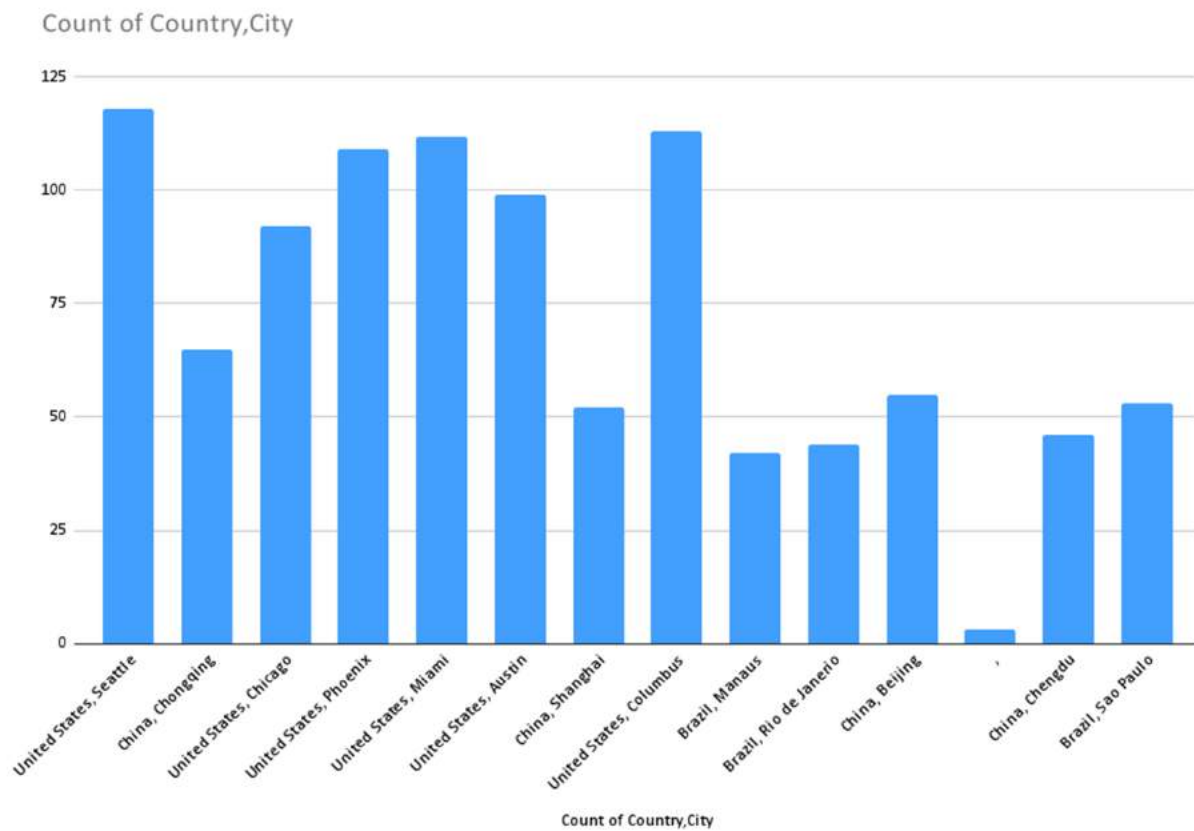
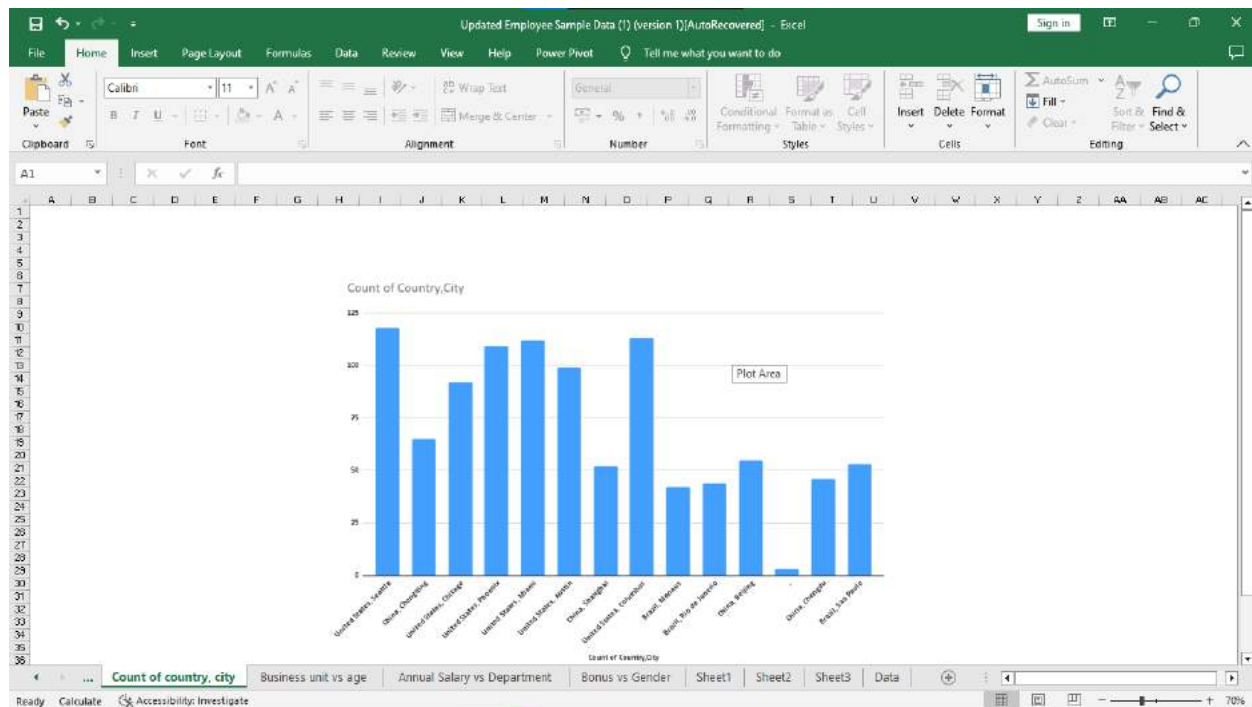


- From the above graph we can conclude that Marketing Department has the highest average annual salary and IT department has the lowest annual salary.

Count of Country and City

Steps to plot this chart.

- For plotting this set of graph first of all we select the Count of Ethnicity and Department column.
- After that we will select recommended chart option from that we will select the multiple appropriate graph option.



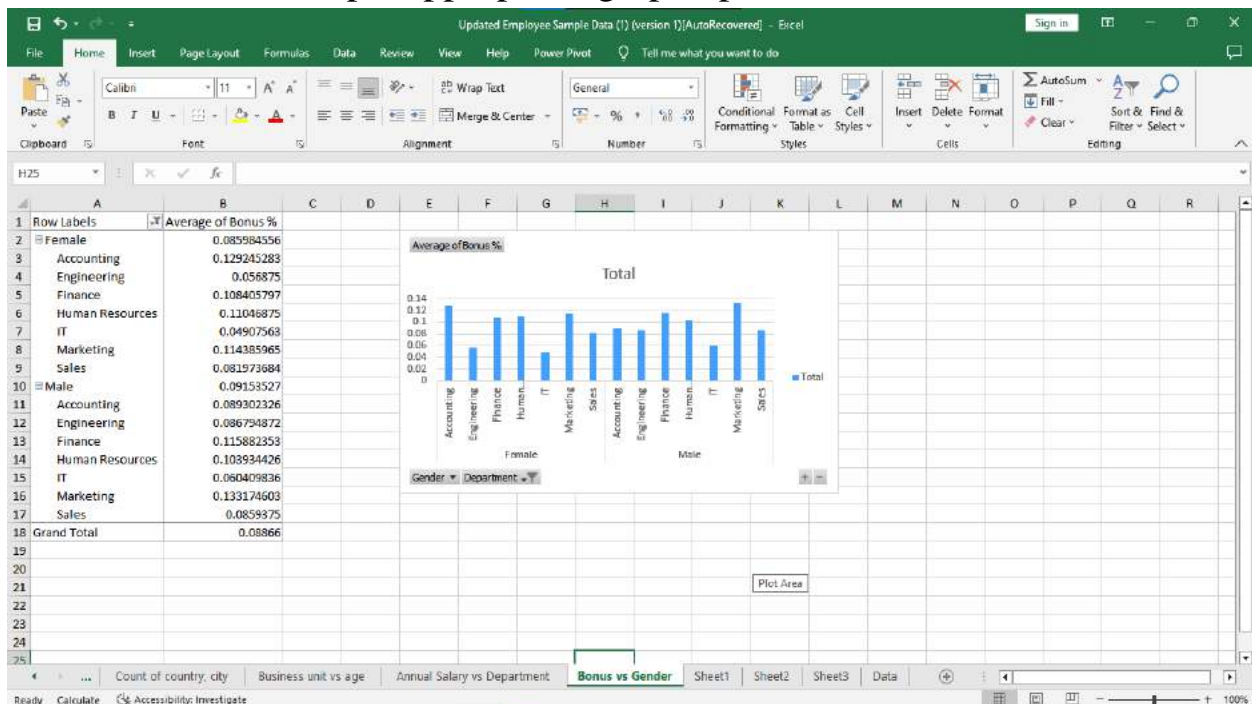
- Here from the graph we can observe that United States , Seattle has the highest number of employees.

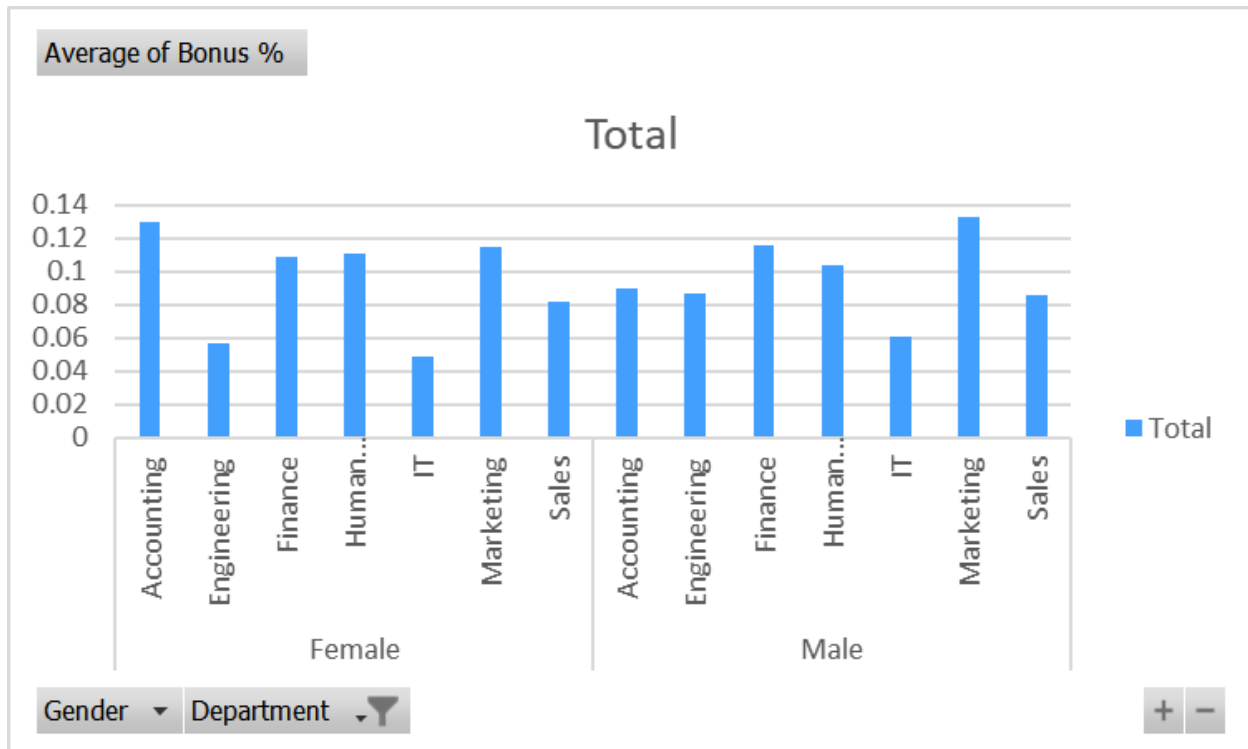
Bonus vs Gender

From this graph we can find the highest bonus rate provided by which department and gender.

Steps to plot this chart.

- For plotting this set of graph first of all we select the Count of Ethnicity and Department column.
- After that we will select recommended chart option from that we will select the multiple appropriate graph option.





- Here from the above graph we can notice that male employees of the marketing department has the highest bonus ratio while female of IT department has the lowest.

Create a column by merging Country and City.

For creating separate column first we will select a cell of a new column.
Here we write a formula for merging column.

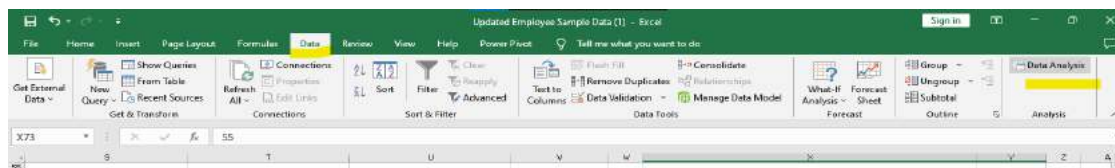
=CONCATENATE(L2,"",M2)

Here L2 refers to country column and M2 refers to city column.

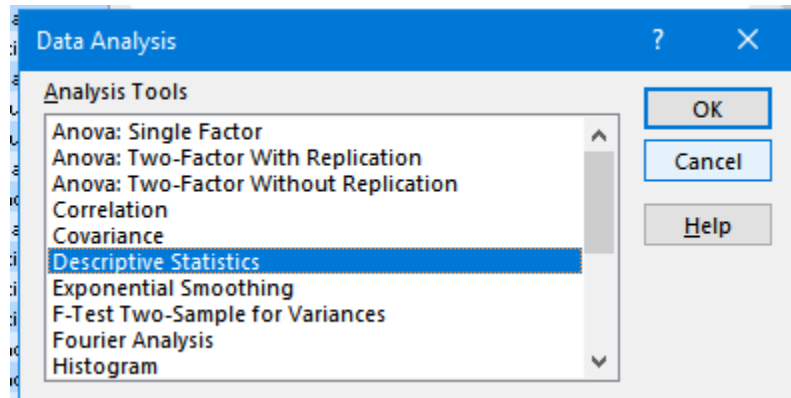
Hire Date	Annual Salary	Bonus	Country	City	Exit Date	Total Days	Network Days	Full Name and Title	Column1
8-4-2016	\$141,604	15%	United States	Seattle	#####		2017	1441	Sr. Manager-Emily Davis
#####	\$93,975	0%	China	Chongqing		#VALUE!	#VALUE!	Technical Architect Theodore Dinh	China,Chongqing
#####	\$163,099	20%	United States	Chicago		#NAME?	#VALUE!	Director Luna Sanders	United States,Chicago
27-9-2019	\$84,913	7%	United States	Chicago		#NAME?	#VALUE!	Computer Systems Manager Penelope Jon	United States,Chicago
#####	\$35,403	0%	United States	Phoenix		#NAME?	#VALUE!	Sr. Analyst Austin Vo	United States,Phoenix
24-1-2017	\$50,394	0%	China	Chongqing		#NAME?	#VALUE!	Account Representative Joshua Gupta	China,Chongqing
1-7-2020	\$13,746	10%	United States	Phoenix		#NAME?	#VALUE!	Manager Ruby Barnes	United States,Phoenix
16-5-2020	\$41,336	0%	United States	Miami	20-5-2021		369	-264	Analyst Luke Martin
25-1-2019	\$13,527	6%	United States	Austin		#NAME?	#VALUE!	Manager Easton Bailey	United States,Austin
13-6-2018	\$77,203	0%	United States	Chicago		#NAME?	#VALUE!	Sr. Analyst Madeline Walker	United States,Chicago
11-2-2009	\$157,333	15%	United States	Miami		#NAME?	#VALUE!	Sr. Manager Savannah Ali	United States,Miami
#####	\$109,851	0%	United States	Seattle		#NAME?	#VALUE!	Controls Engineer Camila Rogers	United States,Seattle
14-3-1999	\$105,086	9%	United States	Austin		#NAME?	#VALUE!	Manager Eli Jones	United States,Austin
10-6-2021	\$146,742	10%	China	Shanghai		#NAME?	#VALUE!	Sr. Manager Eweligh Ng	China,Shanghai
4-11-2017	\$97,078	0%	United States	Austin	3-3-2020		856	-611	Sr. Analyst Robert Yang
13-3-2013	\$249,270	30%	United States	Seattle		#NAME?	#VALUE!	Vice President Isabella Xi	United States,Seattle
4-3-2002	\$175,837	20%	United States	Phoenix		#NAME?	#VALUE!	Director Bella Powell	United States,Phoenix
1-12-2003	\$154,828	13%	United States	Seattle		#NAME?	#VALUE!	Sr. Manager Camila Silva	United States,Seattle
3-11-2013	\$186,503	24%	United States	Columbus		#NAME?	#VALUE!	Director David Barnes	United States,Columbus
9-7-2002	\$166,331	18%	China	Chongqing		#NAME?	#VALUE!	Director Adam Dang	China,Chongqing
9-1-2012	\$146,140	10%	Brazil	Manaus		#NAME?	#VALUE!	Sr. Manager Elias Alvarado	Brazil,Manaus
2-4-2021	\$151,703	21%	United States	Miami		#NAME?	#VALUE!	Director Eva Rivera	United States,Miami
#####	\$172,787	28%	Brazil	Rio de Janeiro		#NAME?	#VALUE!	Director Logan Rivera	Brazil,Rio de Janeiro
5-9-2019	\$49,998	0%	United States	Seattle		#NAME?	#VALUE!	Analyst Leonards Dixon	United States,Seattle
2-3-2014	\$2,07,172	31%	China	Chongqing		#NAME?	#VALUE!	Vice President Mateo Her	China,Chongqing
17-4-2015	\$152,239	23%	United States	Columbus		#NAME?	#VALUE!	Director Jose Henderson	United States,Columbus
5-2-2005	\$98,581	0%	Brazil	Rio de Janeiro		#NAME?	#VALUE!	Quality Engineer Abigail Mejia	Brazil,Rio de Janeiro
7-6-2004	\$2,46,231	31%	United States	Seattle		#NAME?	#VALUE!	Vice President Wyatt Chin	United States,Seattle
4-12-1996	\$93,354	12%	China	Beijing		#NAME?	#VALUE!	Engineering Manager Carson Lu	China,Beijing
11-5-2012	\$2,31,141	34%	China	Beijing		#NAME?	#VALUE!	Vice President Dylan Choi	China,Beijing
25-6-2017	\$54,775	0%	United States	Columbus		#NAME?	#VALUE!	IT Coordinator Ezekiel Kumar	United States,Columbus
16-5-2004	\$55,493	0%	Brazil	Manaus		#NAME?	#VALUE!	Analyst Dominic Guzman	Brazil,Manaus
11-7-2008	\$66,521	0%	United States	Seattle		#NAME?	#VALUE!	Analyst Il Angel Powell	United States,Seattle
29-3-2016	\$59,100	0%	China	Chongqing		#NAME?	#VALUE!	Account Representative Mateo Vu	China,Chongqing

Analysis Table for Annual Salary Column

- For generating Descriptive statistics table first we select annual salary column from the given data.
- Now we will go to data menu and select the data analysis option from the menu bar.



- After selecting data analysis option we have lot of options to perform on a specific column so we will choose descriptive statistics method and click ok.



- After selecting it we will need to give input and output range we will select age column for input range and for output we can select the cell where we want to print table or we can choose new sheet option to print table on new sheet.

	D	E	F	G	H	I	J	K	L	M	N
	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date
	IT	Research & Development	Female	Black	55	8-4-2016	\$1,41,604	15%	United States	Seattle	#####
	IT	Manufacturing	Male	Asian	59	#####	\$99,375	0%	China	Chongqing	
	Finance	Speciality Products	Female	Caucasian	50	#####	\$1,63,099	20%	United States	Chicago	
ger	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,913	7%	United States	Chicago	
	Finance	Manufacturing	Male	Asian	55	#####	\$95,409	0%	United States	Phoenix	
	Sales	Corporate	Male	Asian	57	24-1-2017	\$50,994	0%	China	Chongqing	
	IT	Corporate	Female								
	Finance	Manufacturing	Male								20-5-20
	Accounting	Manufacturing	Male								
	Finance	Speciality Products	Female								
	Human Resource	Manufacturing	Female								
	Engineering	Speciality Products	Female								
	Human Resource	Manufacturing	Male								
	Finance	Research & Development	Female								
	Accounting	Speciality Products	Male								9-3-202
	Marketing	Research & Development	Female								
	Finance	Research & Development	Female								
	Marketing	Speciality Products	Female								
	IT	Corporate	Male								
	Sales	Research & Development	Male								
	IT	Manufacturing	Male								
	Sales	Manufacturing	Female								
	IT	Research & Development	Male								
	Sales	Speciality Products	Male								
	Sales	Speciality Products	Male								
	Human Resource	Speciality Products	Male								
	Engineering	Corporate	Female								
	Engineering	Speciality Products	Male								
	Engineering	Speciality Products	Male								
	IT	Corporate	Male								
	IT	Research & Development	Male	Asian	28	25-6-2017	\$54,775	0%	United States	Columbus	
	Finance	Manufacturing	Male	Latino	65	16-5-2004	\$55,499	0%	Brazil	Manaus	
	Sales	Research & Development	Male	Caucasian	61	11-7-2008	\$66,521	0%	United States	Seattle	

Descriptive Statistics

Input

Input Range:

Grouped By: ☒ Columns ☐ Rows

☒ Labels in first row

Output options

☒ Output Range:

☐ New Worksheet Ply:

☐ New Workbook

☒ Summary statistics

☐ Confidence Level for Mean: %

☐ Kth Largest:

☐ Kth Smallest:

OK

Cancel

Help

Descriptive Statistics Table for Annual Salary Column	
Annual Salary*Bonus %	
Mean	113217.365
Standard Error	1693.272742
Median	96557
Mode	146140
Standard Deviation	53545.98564
Sample Variance	2867172579
Kurtosis	-0.043721152
Skewness	0.886401571
Range	218435
Minimum	40063
Maximum	258498
Sum	113217365
Count	1000

- From the above table we can notice the Mean , Median , Maximum , Minimum and total count for the Age column.

Create a column Total days which counts total days.

- For generating this column first we select empty cell where we want to add new column.
- Here we add formula for calculating total days based on hire date and exit date.
- So we will select the hire date and exit date and add this formula for calculating total days.

=DAYS(N2,I2)

Here N2 refers to Exit date of employee and I2 refers to hire date of employee.

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MAX: =DAYS(N2,I2)

	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
	Department	Business Unit	Gender	Ethnicity	Age	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date	Country, City	Total Days	Network Days	Full Name
1	IT	Research & Development	Female	Black	55	8-4-2016	\$1,41,604	15%	United States	Seattle	16-10-2021	United States, Chicago	=DAYS(N2,I2)	1441	Sr. Man
2	IT	Manufacturing	Male	Asian	59	29-11-1997	\$99,975	0%	China	Chongqing		China, Chongqing	#VALUE!	#VALUE!	Technic
3	Finance	Speciality Products	Female	Caucasian	50	26-10-2006	\$1,63,099	20%	United States	Chicago		United States, Chicago	#NAME?	#VALUE!	Director
4	IT	Manufacturing	Female	Caucasian	26	27-9-2019	\$84,913	7%	United States	Chicago		United States, Chicago	#NAME?	#VALUE!	Comput
5	Finance	Manufacturing	Male	Asian	55	20-11-1995	\$95,409	0%	United States	Phoenix		United States, Phoenix	#NAME?	#VALUE!	Sr. Anal
6	Sales	Corporate	Male	Asian	57	24-1-2017	\$50,994	0%	China	Chongqing		China, Chongqing	#NAME?	#VALUE!	Account
7	IT	Corporate	Female	Caucasian	27	1-7-2020	\$1,19,746	10%	United States	Phoenix		United States, Phoenix	#NAME?	#VALUE!	Manage
8	Finance	Manufacturing	Male	Black	25	16-5-2020	\$41,336	0%	United States	Miami	20-5-2021	United States, Miami	369	-264	Analyst
9	Accounting	Manufacturing	Male	Caucasian	29	25-1-2019	\$1,13,527	6%	United States	Austin		United States, Austin	#NAME?	#VALUE!	Manage
10	Finance	Speciality Products	Female	Caucasian	34	13-6-2018	\$77,203	0%	United States	Chicago		United States, Chicago	#NAME?	#VALUE!	Sr. Anal
11	Human Resources	Manufacturing	Female	Asian	36	11-2-2009	\$1,57,333	15%	United States	Miami		United States, Miami	#NAME?	#VALUE!	Sr. Man
12	Engineering	Speciality Products	Female	Caucasian	27	21-10-2021	\$1,09,851	0%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!	Control
13	Human Resources	Manufacturing	Male	Caucasian	59	14-3-1999	\$1,05,086	9%	United States	Austin		United States, Austin	#NAME?	#VALUE!	Manage
14	Finance	Research & Development	Female	Asian	51	10-6-2021	\$1,46,742	10%	China	Shanghai		China, Shanghai	#NAME?	#VALUE!	Sr. Man
15	Accounting	Speciality Products	Male	Asian	31	4-11-2017	\$97,078	0%	United States	Austin	9-3-2020	United States, Austin	856	-611	Sr. Anal
16	Marketing	Research & Development	Female	Asian	41	13-3-2013	\$2,49,270	30%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!	Vice Pre
17	Finance	Research & Development	Female	Black	65	4-3-2002	\$1,75,837	20%	United States	Phoenix		United States, Phoenix	#NAME?	#VALUE!	Director
18	Marketing	Speciality Products	Female	Latino	64	1-12-2003	\$1,54,828	13%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!	Sr. Man
19	IT	Corporate	Male	Caucasian	64	3-11-2013	\$1,86,503	24%	United States	Columbus		United States, Columbus	#NAME?	#VALUE!	Director
20	Sales	Research & Development	Male	Asian	45	9-7-2002	\$1,66,331	18%	China	Chongqing		China, Chongqing	#NAME?	#VALUE!	Director
21	IT	Manufacturing	Male	Latino	56	9-1-2012	\$1,46,140	10%	Brazil	Manaus		Brazil, Manaus	#NAME?	#VALUE!	Sr. Man
22	Sales	Manufacturing	Female	Latino	36	2-4-2021	\$1,51,703	21%	United States	Miami		United States, Miami	#NAME?	#VALUE!	Director
23	IT	Research & Development	Male	Latino	59	24-5-2002	\$1,72,787	28%	Brazil	Rio de Janeiro		Brazil, Rio de Janeiro	#NAME?	#VALUE!	Director
24	Sales	Speciality Products	Male	Caucasian	37	5-9-2019	\$49,998	0%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!	Analyst
25	Sales	Speciality Products	Male	Asian	44	2-3-2014	\$2,07,172	31%	China	Chongqing		China, Chongqing	#NAME?	#VALUE!	Vice Pre
26	Human Resources	Speciality Products	Male	Black	41	17-4-2015	\$1,52,239	23%	United States	Columbus		United States, Columbus	#NAME?	#VALUE!	Director
27	Engineering	Corporate	Female	Latino	56	5-2-2005	\$98,581	0%	Brazil	Rio de Janeiro		Brazil, Rio de Janeiro	#NAME?	#VALUE!	Quality
28	Engineering	Speciality Products	Male	Asian	43	7-6-2004	\$2,46,231	31%	United States	Seattle		United States, Seattle	#NAME?	#VALUE!	Vice Pre

Accessibility: Investigate

Create a column by combining Full name and Job title.

- For creating separate columns by combining full name and job title we first select an empty cell.
- Here we will apply following formula for combining full name and job title
`=CONCATENATE($Data.$C2,"- ",$Data.$B2)`

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SUM f_x × ✓ =CONCATENATE(\$Data.\$C2,"-", \$Data.\$B2)|

	H	I	J	K	L	M	N	O	P	Q	R
	Age	Hire Date	Annual Salary*	Bonus %	Country	City	Exit Date	Country, City	Total Days	Network Days	Full Name and Title
1											
2	55	8/4/2016	\$1,41,604	15%	United States	Seattle	16/10/2021	United States, Seattle	2017	1441	=CONCATENATE(\$Data.\$C2,
3	59	29/11/1997	\$99,975	0%	China	Chongqing		China, Chongqing	-35763	-25545	Technical Architect Theodor
4	50	26/10/2006	\$1,63,099	20%	United States	Chicago		United States, Chicago	#NAME?	27869	Director Luna Sanders
5	26	27/9/2019	\$84,913	7%	United States	Chicago		United States, Chicago	#NAME?	31240	Computer Systems Manage
6	55	20/11/1995	\$95,409	0%	United States	Phoenix		United States, Phoenix	#NAME?	25016	Sr. Analyst Austin Vo
7	57	24/1/2017	\$50,994	0%	China	Chongqing		China, Chongqing	#NAME?	30542	Account Representative Jos
8	27	1/7/2020	\$1,19,746	10%	United States	Phoenix		United States, Phoenix	#NAME?	31438	Manager Ruby Barnes
9	25	16/5/2020	\$41,336	0%	United States	Miami	20/5/2021	United States, Miami	369	-264	Analyst Luke Martin
10	29	25/1/2019	\$1,13,527	6%	United States	Austin		United States, Austin	#NAME?	31065	Manager Easton Bailey
11	34	13/6/2018	\$77,203	0%	United States	Chicago		United States, Chicago	#NAME?	30903	Sr. Analyst Madeline Walke
12	36	11/2/2009	\$1,57,333	15%	United States	Miami		United States, Miami	#NAME?	28468	Sr. Manger Savannah Ali
13	27	21/10/2021	\$1,09,851	0%	United States	Seattle		United States, Seattle	#NAME?	31779	Controls Engineer Camila R
14	59	14/3/1999	\$1,05,086	9%	United States	Austin		United States, Austin	#NAME?	25880	Manager Eli Jones
15	51	10/6/2021	\$1,46,742	10%	China	Shanghai		China, Shanghai	#NAME?	31684	Sr. Manger Everleigh Ng
16	31	4/11/2017	\$97,078	0%	United States	Austin	9/3/2020	United States, Austin	856	-611	Sr. Analyst Robert Yang
17	41	13/3/2013	\$2,49,270	30%	United States	Seattle		United States, Seattle	#NAME?	29533	Vice President Isabella Xi
18	65	4/3/2002	\$1,75,837	20%	United States	Phoenix		United States, Phoenix	#NAME?	26656	Director Bella Powell
19	64	1/12/2003	\$1,54,828	13%	United States	Seattle		United States, Seattle	#NAME?	27111	Sr. Manger Camila Silva
20	64	3/11/2013	\$1,86,503	24%	United States	Columbus		United States, Columbus	#NAME?	29700	Director David Barnes
21	45	9/7/2002	\$1,66,331	18%	China	Chongqing		China, Chongqing	#NAME?	26747	Director Adam Dang
22	56	9/1/2012	\$1,46,140	10%	Brazil	Manaus		Brazil, Manaus	#NAME?	29226	Sr. Manger Elias Alvarado
23	36	2/4/2021	\$1,51,703	21%	United States	Miami		United States, Miami	#NAME?	31635	Director Eva Rivera
24	59	24/5/2002	\$1,72,787	28%	Brazil	Rio de Janeiro		Brazil, Rio de Janeiro	#NAME?	26715	Director Logan Rivera
25	37	5/9/2019	\$49,998	0%	United States	Seattle		United States, Seattle	#NAME?	31224	Analyst Leonardo Dixon

Create a column for Network days by utilizing hire and Exit dates

- For creating a column network days we utilize the hire and Exit date columns.
- It will count the actual working days starting from the hire date to the exit date.
- =NETWORKDAYS(\$Data.\$I2,\$Data.\$N2,)
- Here N2 refers to exit date and I2 refers to hire date.

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CONCATENATE f x =NETWORKDAYS(\$Data.\$I2,\$Data.\$N2,)

	I	J	K	L	M	N	O	P	Q	R
	Hire Date	Annual Salary	Bonus %	Country	City	Exit Date	Country, City	Total Days	Network Days	Full Name and Title
1										
2	8/4/2016	\$1,41,604	15%	United States	Seattle	16/10/2021	United States, Seattle	2017	=NETWORKDAYS(\$Data.\$I2,\$Data.\$N2,)	
3	29/11/1997	\$99,975	0%	China	Chongqing		China, Chongqing	-35763		-25545Technical Architect Theodore Dini
4	26/10/2006	\$1,63,099	20%	United States	Chicago		United States, Chicago	#NAME?		27869Director Luna Sanders
5	27/9/2019	\$84,913	7%	United States	Chicago		United States, Chicago	#NAME?		31240Computer Systems Manager Penelope
6	20/11/1995	\$95,409	0%	United States	Phoenix		United States, Phoenix	#NAME?		25016Sr. Analyst Austin Vo
7	24/1/2017	\$50,994	0%	China	Chongqing		China, Chongqing	#NAME?		30542Account Representative Joshua G
8	1/7/2020	\$1,19,746	10%	United States	Phoenix		United States, Phoenix	#NAME?		31438Manager Ruby Barnes
9	16/5/2020	\$41,336	0%	United States	Miami	20/5/2021	United States, Miami	369		-264Analyst Luke Martin
10	25/1/2019	\$1,13,527	6%	United States	Austin		United States, Austin	#NAME?		31065Manager Easton Bailey
11	13/6/2018	\$77,203	0%	United States	Chicago		United States, Chicago	#NAME?		30903Sr. Analyst Madeline Walker
12	11/2/2009	\$1,57,333	15%	United States	Miami		United States, Miami	#NAME?		28468Sr. Manger Savannah Ali
13	21/10/2021	\$1,09,851	0%	United States	Seattle		United States, Seattle	#NAME?		31779Controls Engineer Camila Rogers
14	14/3/1999	\$1,05,086	9%	United States	Austin		United States, Austin	#NAME?		25880Manager Eli Jones
15	10/6/2021	\$1,46,742	10%	China	Shanghai		China, Shanghai	#NAME?		31684Sr. Manger Everleigh Ng
16	4/11/2017	\$97,078	0%	United States	Austin	9/3/2020	United States, Austin	856		-611Sr. Analyst Robert Yang
17	13/3/2013	\$2,49,270	30%	United States	Seattle		United States, Seattle	#NAME?		29533Vice President Isabella Xi
18	4/3/2002	\$1,75,837	20%	United States	Phoenix		United States, Phoenix	#NAME?		26656Director Bella Powell
19	1/12/2003	\$1,54,828	13%	United States	Seattle		United States, Seattle	#NAME?		27111Sr. Manger Camila Silva
20	3/11/2013	\$1,86,503	24%	United States	Columbus		United States, Columbus	#NAME?		29700Director David Barnes
21	9/7/2002	\$1,66,331	18%	China	Chongqing		China, Chongqing	#NAME?		26747Director Adam Dang
22	9/1/2012	\$1,46,140	10%	Brazil	Manaus		Brazil, Manaus	#NAME?		29226Sr. Manger Elias Alvarado