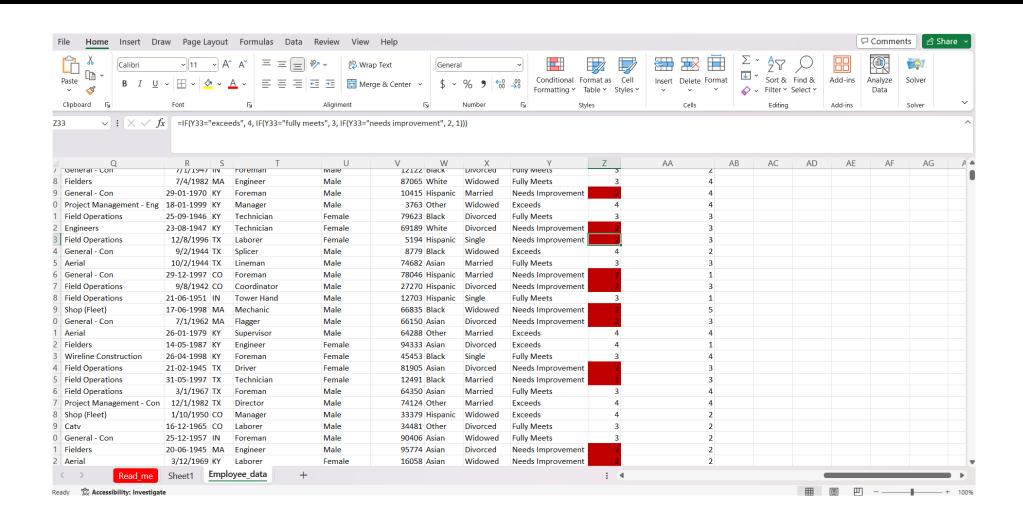


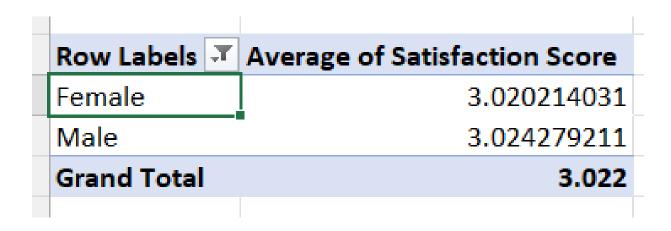
Can you create a pivot table to summarize the total number of employees in each department?

	Row Labels	Count of Employee ID	
	Admin Offices	80	
	Executive Office	24	
	IT/IS	430	
	Production	2020	
	Sales	331	
	Software Engineering	115	
)	Grand Total	3000	
1			

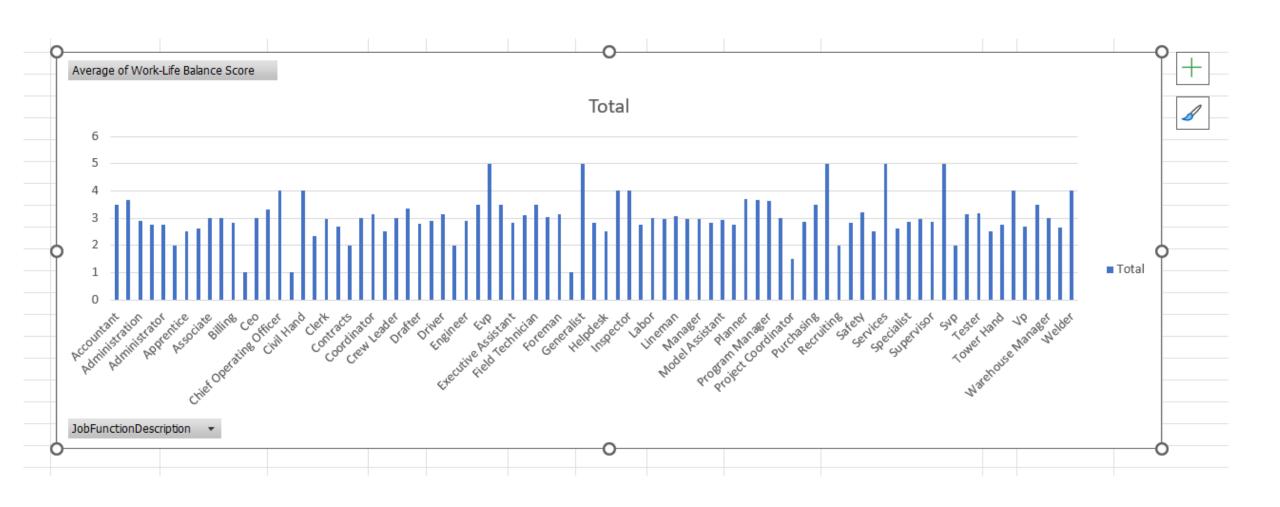
Apply conditional formatting to highlight employees with a "Performance Score" below 3 in red.



Calculate the average "Satisfaction Score" separately for male and female employees using a pivot table.



Create a chart to visualize the distribution of "Work-Life Balance Score" for different job functions.



Filter the data to display only terminated employees and find out the most common "Termination Type."

EmployeeStatus	(Multiple Items)
Termination_type ▼	Count of TerminationType
Involuntary	107
Resignation	96
Retirement	86
Voluntary	98
Grand Total	387

Calculate the average "Engagement Score" for each department using a pivot table.

	Row Labels	Average of Engagement Score
	Admin Offices	3
	Executive Office	2.875
	IT/IS	2.934883721
	Production	2.95049505
	Sales	2.876132931
	Software Engineering	2.92173913
)	(blank)	
	Grand Total	2.939666667
)		

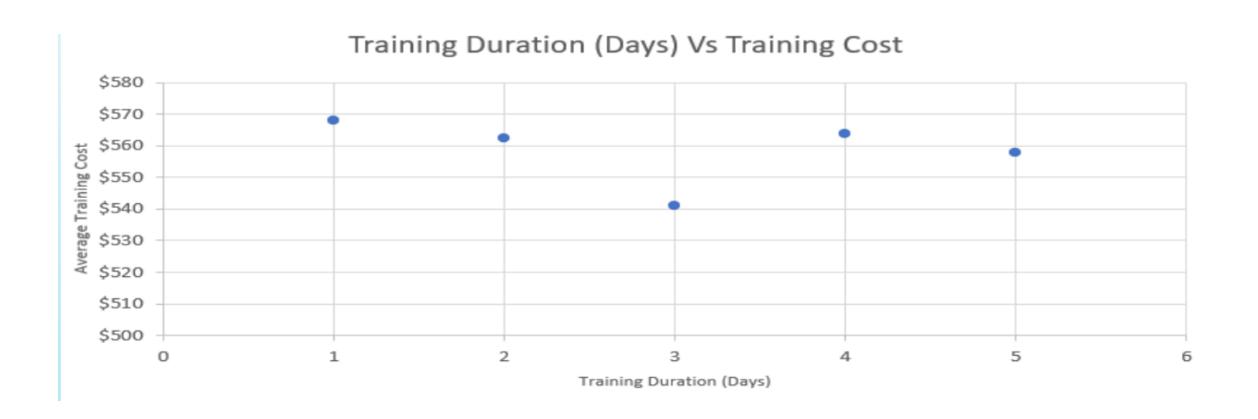
Use VLOOKUP to find the supervisor's email address for a specific employee.

=VLOOKUP(A2,A1:H14,8,FALSE)

Can you identify the department with the highest average "Employee Rating?"

)	Row Labels	Current Employee Rating
1	Admin Offices	3.025
5	Executive Office	2.791666667
5	IT/IS	2.969767442
7	Production	2.982178218
3	Sales	2.909365559
)	Software Engineering	2.904347826
0	Grand Total	2.969
4		

Create a scatter plot to explore the relationship between "Training Duration (Days)" and "Training Cost."



Build a pivot table that shows the count of employees by "RaceDesc" and "GenderCode."

Count of Employee	Column Labels		
Row Labels	▼ Female	Male	Grand Total
Asian	340	283	629
Black	340	272	618
Hispanic	325	247	572
Other	318	3 264	582
White	347	7 252	599
Grand Total	1682	1318	3000

Use INDEX and MATCH functions to find the "Training Program Name" for an employee with a specific ID.

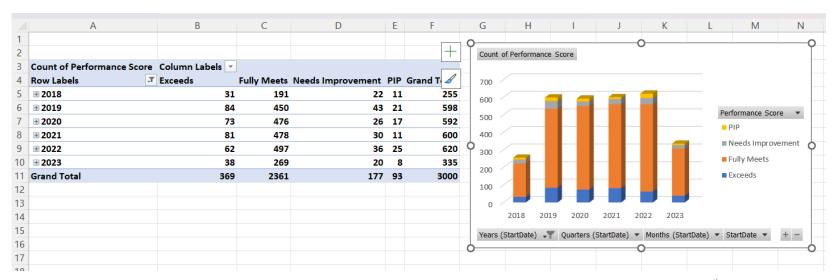
=INDEX(A1:I20,MATCH(A2,A1:A20,0),3)

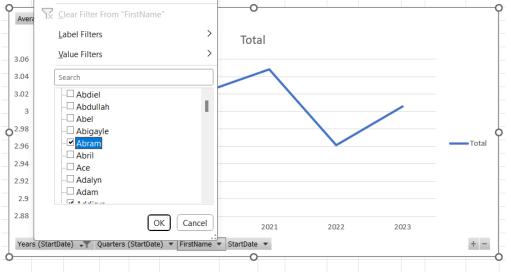
Create a multi-level pivot table to analyze the "Performance Score" by "BusinessUnit" and "JobFunctionDescription."

Row Labels 🏋	Count of Performance_Score
⊕ BPC	303
⊕ CCDR	300
⊕ EW	302
⊕ MSC	296
⊕ NEL	304
⊕ PL	301
⊕ PYZ	299
⊕SVG	304
⊞ TNS	297
⊕ WBL	294
Grand Total	3000

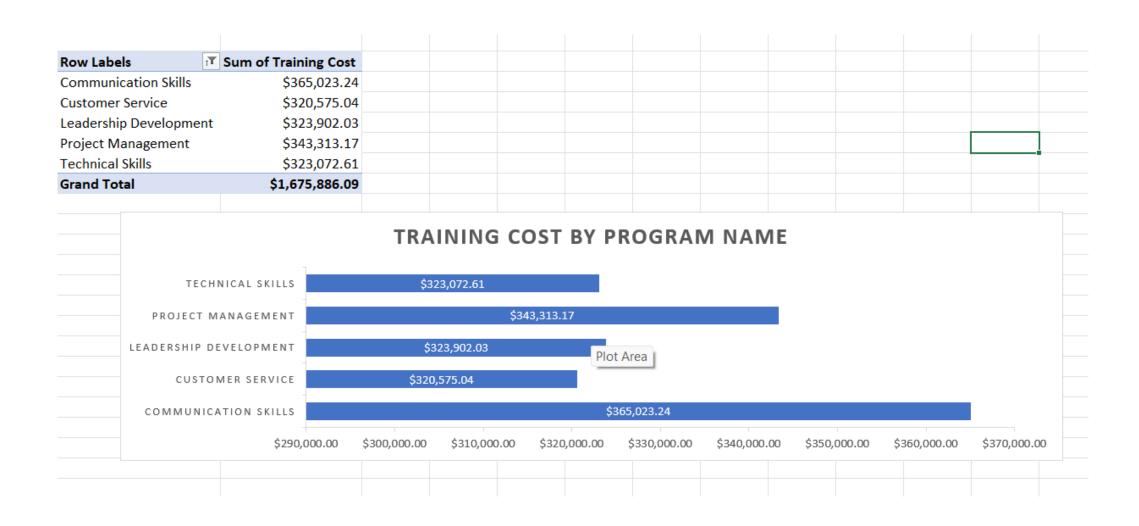
Row Labels	Ţ	Count of Performance_Score
BPC		303
CCDR		300
Accounting		1
Administration		1
Administrative		4
Administrator		3
Apprentice		1
Assistant		5
Associate		1
Clerk		4
Construction Manage	er	1
Controller		3
Coordinator		7
Director		2
Drafter		2
Driller		3
Driver		1
Engineer		35
Executive Assistant		1
Field Project Manage	r	1
Field Technician		1
Flagger		6
Foreman		23
Groundman		б

Design a dynamic chart that allows users to select and visualize the performance of any employee over time.





Calculate the total training cost for each "Training Program Name" and display it in a bar chart.



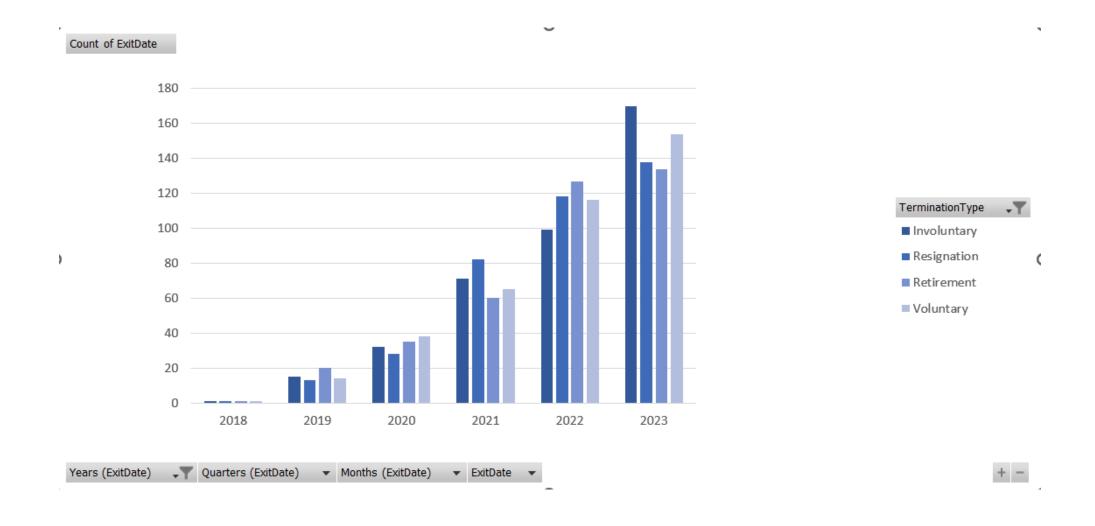
Apply advanced conditional formatting to highlight the top 10% and bottom 10% of employees based on "Current Employee Rating."

Q	R S	T	U	V	W	X	Υ	Z	AA	AB	AC	AD	AE	AF
Division	DOB Sta	te JobFunctionDescription	n GenderCode	LocationCode	RaceDesc	MaritalDesc	Performance Score	performance_score	Current Employee Rating					
Finance & Accounting	7/10/1969 MA	Accounting	Female	34904	White	Widowed	Fully Meets	3	4					
Aerial	30-08-1965 MA	Labor	Male	6593	Hispanic	Widowed	Fully Meets	3	3					
General - Sga	6/10/1991 MA	Assistant	Male	2330	Hispanic	Widowed	Fully Meets	3	4					
Finance & Accounting	4/4/1998 ND	Clerk	Male	58782	Other	Single	Fully Meets	3	2					
General - Con	29-08-1969 FL	Laborer	Female	33174	Other	Married	Fully Meets	3	3					
Field Operations	3/4/1949 CT	Driver	Male	6050	Black	Married	Fully Meets	3	3					
General - Eng	1/7/1942 CA	Technician	Female	90007	Hispanic	Divorced	Exceeds	4	4					
Engineers	7/3/1957 OR	Engineer	Female	97756	White	Divorced	Fully Meets	3	2					
Executive	15-05-1974 TX	Executive Assistant	Male	78789	Black	Widowed	Exceeds	4	3					
Engineers	11/11/1949 TX	Engineer	Male	78207	Asian	Widowed	Fully Meets	3	5					
Field Operations	26-01-1964 IN	Technician	Female	46204	Other	Single	Fully Meets	3	5					
General - Con	6/4/1948 GA	Technician	Female	30428	Asian	Married	Fully Meets	3	3					
Splicing	24-11-1981 CO	Splicer	Male	80820	Other	Single	Fully Meets	3	3					
inance & Accounting	6/11/1951 KY	Controller	Female	40220	White	Divorced	Fully Meets	3	3					
General - Con	21-11-1989 NV	Lineman	Male	89139	Asian	Widowed	Exceeds	4	4					
ield Operations	24-11-1952 MA	Laborer	Male	2810	Black	Single	Exceeds	4	2					
Project Management - Con	8/4/1994 KY	Coordinator	Male	2621	Asian	Widowed	Fully Meets	3	3					
ngineers	15-11-1983 KY	Director	Male	44553	Other	Widowed	Fully Meets	3	3					
Project Management - Con	7/12/1985 KY	Supervisor	Female	5360	Other	Married	Exceeds	4	4					
ield Operations	1/5/1996 TX	Driller	Female	16325	White	Divorced	Exceeds	4	2					
General - Con	17-02-1964 TX	Technician	Female	43481	Asian	Widowed	Fully Meets	3	3					
Engineers	12/5/1958 TX	Specialist	Male	50705	Asian	Widowed	Fully Meets	3	3					
General - Eng	18-09-1992 CO	Technician	Male	5168	Black	Single	Fully Meets	3	5					
Field Operations	11/8/1994 CO	Operator	Male	11765	Other	Single	Exceeds	4	2					
` C	15 04 1000 00		NA-1-	71071	O+1	D:	r	1	2					
> Read_me	Employee_data	Sheet3 Sheet1	+											
Accessibility: Investigate											=	四 -		

Use a calculated field in a pivot table to determine the average "Engagement Score" per year.

_		
Row Labels	~	Average of Engagement Score
2018		2.898039216
2019		3.065217391
2020		2.939189189
2021		2.888333333
2022		2.943548387
2023		2.832835821
Grand Total		2.939666667

Create a histogram to understand the distribution of "ExitDate" for terminated employees.



Utilize the SUMPRODUCT function to calculate the total training cost for employees in a specific location.

=SUMPRODUCT((F2:F100="Port Greg") * I2:I100)

Develop a dashboard that provides an overview of key HR metrics, including headcount, performance, and training costs, using charts and pivot tables.



EMPLOYEE DATA ANALYSIS DASHBOARD

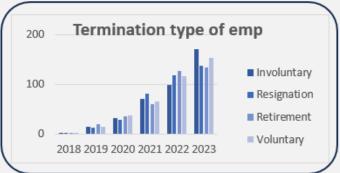
Count of Employee

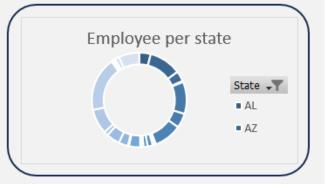
3K

Avg Engagement

2.49







Avg Satisfaction

3.02

Avg desired salary

65.08K



