

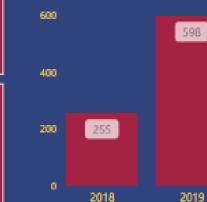
Employee Dashboard

335

2023



1.68M Training_cost

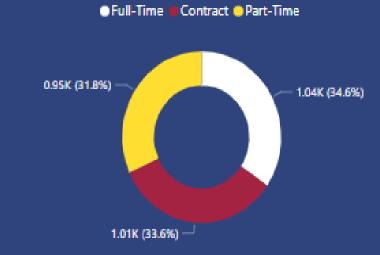




2021

2022

Count of Employee ID by Year

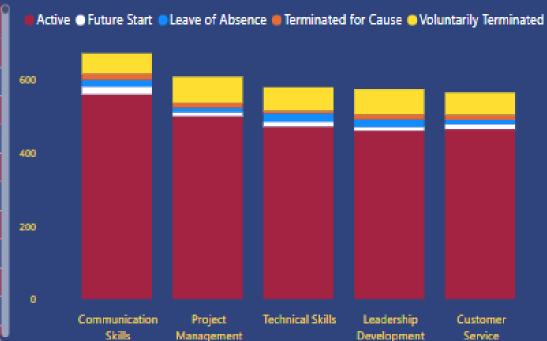


Traning program name	Sum of Training_cost
Communication Skills	365,023.24
Customer Service	320,575.04
Leadership Development	323,902.03
Project Management	343,313.17
Technical Skills	323,072.61

Admin Offices	IT/IS	Sales
Executive Office	Production	Software Engineering

Full Name	Performance Score
Aaden Mercer	Fully Meets
Aaliyah Watts	Fully Meets
Aarav Espinoza	Fully Meets
Aaron Tapia	Fully Meets
Aaron Weber	Exceeds
Abagail Banks	Fully Meets
Abagail Moran	Exceeds
Abagail Villanueva	Fully Meets
Abbigail Blanchard	Fully Meets
Abbigail Cameron	Fully Meets
ALLE TRAIN	e III va i

2020



1. CAN YOU CREATE A PIVOT TABLE TO SUMMARIZE THE TOTAL NUMBER OF EMPLOYEES IN EACH DEPARTMENT?

Row Labels 🔻 Count o	f Employee ID
Admin Offices	80
Executive Offic	24
IT/IS	430
Production	2020
Sales	331
Software Engir	115
Grand Total	3000

2. APPLY CONDITIONAL FORMATTING TO HIGHLIGHT EMPLOYEES WITH A "PERFORMANCE SCORE" BELOW 3 IN RED.

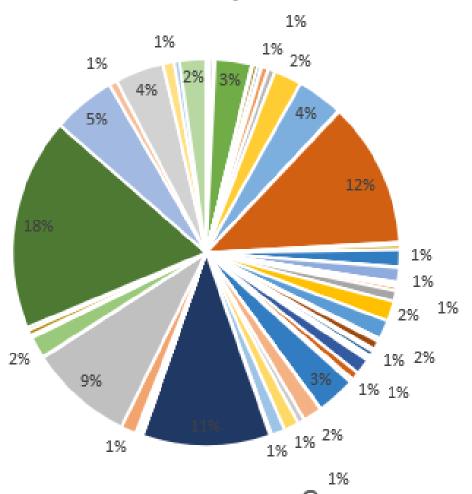
4	Α	В
L	Employee ID 🔻	Current Employee Rating 🔻
2	3427	4 \
3	3428	3 F
1	3429	4 E
5	3430	2 1
5	3431	I E
7	3432	3 1
3	3433	4 L
9	3434	2 S
0	3435	3 J
1	3436	5 J
2	3437	5 1
3	3438	3 [
4	3439	3 E
.5	3440	3 >
6	3441	4 F
7	3442	2 H
8	3443	3 ▶
9	3444	3 E
.0	3445	4 F
1	3446	2 H
2	3447	3 1
9	2/1/0	باد

3. CALCULATE THE AVERAGE "SATISFACTION SCORE" FOR MALE AND FEMALE EMPLOYEES SEPARATELY USING A PIVOT TABLE.

Row Labels Average of Satisfaction Scor	re
Female	3.01
Male	3.04
Grand Total	3.02

4. CREATE A CHART TO VISUALIZE THE DISTRIBUTION OF "WORK-LIFE BALANCE SCORE" FOR DIFFERENT JOB FUNCTIONS.

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



- Accountant
- Accounting
- Administration
- Administrative
- Administrator
- Analyst
- Apprentice
- Assistant
- Associate
- Attendant
- Billing
- Business Development
- Ceo

5. FILTER THE DATA TO DISPLAY ONLY TERMINATED EMPLOYEES AND FIND OUT THE MOST COMMON "TERMINATION TYPE."

Row Labels 🔻	Count of Employee ID
Involuntary	388
Resignation	380
Retirement	377
Unk	1467
Voluntary	388
Grand Total	3000

6. CALCULATE THE AVERAGE "ENGAGEMENT SCORE" FOR EACH DEPARTMENT USING A PIVOT TABLE.

Row Labels	Average of Engagement Score	
Admin Offices		2.93
Executive Office		3.38
IT/IS		3.03
Production		2.91
Sales		2.99
Software Engineer	ing	2.97
Grand Total		2.94

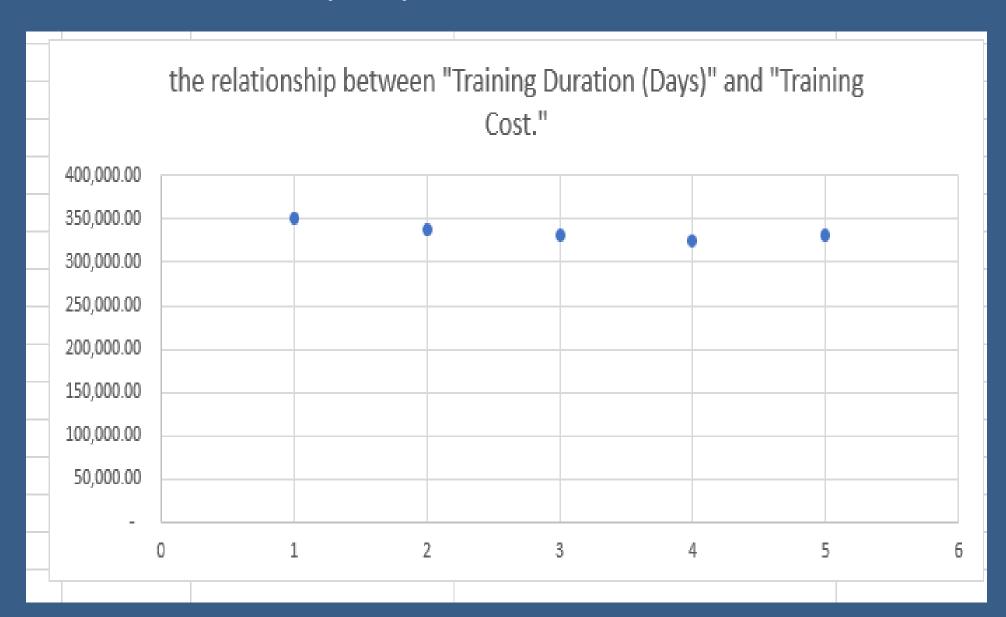
7. USE VLOOKUP TO FIND THE SUPERVISOR'S EMAIL ADDRESS FOR A SPECIFIC EMPLOYEE

D2	D2 \checkmark : \times \checkmark f_{sc} =VLOOKUP(A2,A:I,8,FALSE)						
4	Α	В	С	D			
1	Employee ID 💌	FirstName -	LastName 🔻	Email			
2		Uriah	Bridges	Peter Oneill			
3	3428	Paula	Small	Renee Mccormick			
4	3429	Edward	Buck	Crystal Walker			
5	3430	Michael	Riordan	Rebekah Wright			
6	3431	Jasmine	Onque	Jason Kim			
7	3432	Maruk	Fraval	Sheri Campos			
8	3433	Latia	Costa	Jacob Braun			
9	3434	Sharlene	Terry	Tracy Marquez			
10	3435	Jac	McKinzie	Sharon Becker			
11	3436	Joseph	Martins	George Jenkins			
12	3437	Myriam	Givens	Troy White			
13	3438	Dheepa	Nguyen	Brian Miller			
14	3439	Bartholemew	Khemmich	Charles Parks			
15	3440	Xana	Potts	Gregory Walker			
16	3441	Prater	Jeremy	Tyler Lewis			
17	3442	Kaylah	Moon	Ashley Scott			
18	3443	Kristen	Tate	Lauren Jones			
19	3444	Bobby	Rodgers	Matthew Jackson			
20	3445	Reid	Park	Michelle Mitchell			
21	3446	Hector	Dalton	Sydney French			
22	3447	Mariela	Schultz	Michelle Evans MD			
22	2/1/0	Angola	Molina	Patricia Cook			

8. CAN YOU IDENTIFY THE DEPARTMENT WITH THE HIGHEST AVERAGE "EMPLOYEE RATING?"

Row Labels Average of Current Employee Ratio	ng
Admin Offices	3.03
Executive Office 2	2.79
IT/IS	2.97
Production 2	2.98
Sales 2	2.91
Software Engineering 2	2.90
Grand Total 2	2.97

9. CREATE A SCATTER PLOT TO EXPLORE THE RELATIONSHIP BETWEEN "TRAINING DURATION (DAYS)" AND "TRAINING COST."



10. BUILD A PIVOT TABLE THAT SHOWS THE COUNT OF EMPLOYEES BY "RACEDESC" AND "GENDERCODE."

Row Labels Count of Employee ID)	
■ Asian	629	
Female	346	
Male	283	
■ Black	618	
Female	346	
Male	272	
■ Hispanic	572	
Female	325	
Male	247	
■Other	582	
Female	318	
Male	264	
■White	599	
Female	347	
Male	252	
Grand Total	3000	

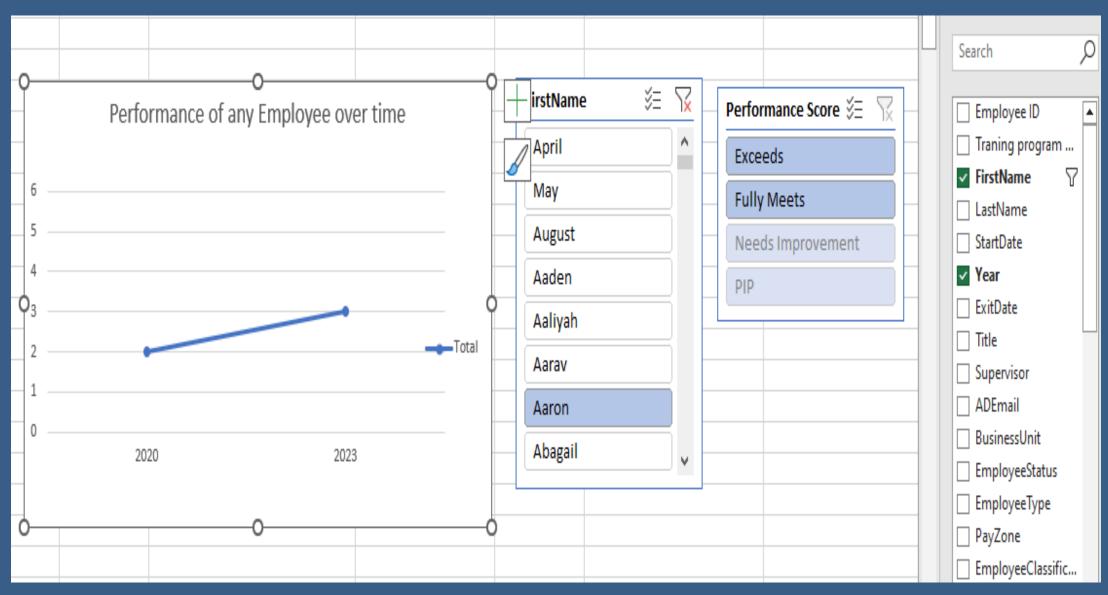
11. USE INDEX AND MATCH FUNCTIONS TO FIND THE "TRAINING PROGRAM NAME" FOR AN EMPLOYEE WITH A SPECIFIC ID.

В3	* :	× ✓ f _x =INDEX	(training_and_o	development_data	a.csv!\$C:\$C,MATCH([@[Employee ID]],training_and_development_d	ata.csv!\$A:\$A,0))
1	Α	В	С	D	E	F	G	н
1	Employee ID 🔽	Traning program name 🔽	FirstName 💌	LastName T	StartDate 🔻	ExitDate T	Title	Supervisor 🔻 /
2	3427	Leadership Development	Uriah	Bridges	20-Sep-19		Production Technician I	Peter Oneill ι
3	3428	Customer Service	Paula	Small	11-Feb-23		Production Technician I	Renee Mccormick
4	3429	Leadership Development	Edward	Buck	10-Dec-18		Area Sales Manager	Crystal Walker 6
5	3430	Project Management	Michael	Riordan	21-Jun-21		Area Sales Manager	Rebekah Wright r
6	3431	Technical Skills	Jasmine	Onque	29-Jun-19		Area Sales Manager	Jason Kim j
7	3432	Project Management	Maruk	Fraval	17-Jan-20		Area Sales Manager	Sheri Campos r
8	3433	Customer Service	Latia	Costa	6-Apr-22	3-Jul-23	Area Sales Manager	Jacob Braun I
9	3434	Leadership Development	Sharlene	Terry	6-Nov-20	29-Jan-23	Area Sales Manager	Tracy Marquez s
10	3435	Customer Service	Jac	McKinzie	18-Aug-18		Area Sales Manager	Sharon Becker j
11	3436	Leadership Development	Joseph	Martins	21-Jan-22	29-Jun-23	Area Sales Manager	George Jenkins j
12	3437	Technical Skills	Myriam	Givens	4-Aug-23		Area Sales Manager	Troy White r
13	3438	Technical Skills	Dheepa	Nguyen	10-Aug-18	4-Nov-19	Area Sales Manager	Brian Miller o
14	3439	Technical Skills	Bartholemew	Khemmich	25-May-22	27-Nov-22	Area Sales Manager	Charles Parks t
15	3440	Communication Skills	Xana	Potts	5-Dec-19	17-Feb-23	Area Sales Manager	Gregory Walker
16	3441	Project Management	Prater	Jeremy	28-Apr-19		Area Sales Manager	Tyler Lewis r
17	3442	Project Management	Kaylah	Moon	9-Jul-19	16-Jun-22	Area Sales Manager	Ashley Scott
18	3443	Technical Skills	Kristen	Tate	5-Apr-21	12-May-23	Area Sales Manager	Lauren Jones k
19	3444	Technical Skills	Bobby	Rodgers	28-Nov-21	4-Feb-22	Area Sales Manager	Matthew Jackson k
20	3445	Project Management	Reid	Park	16-Jan-21		Area Sales Manager	Michelle Mitchell r
21	3446	Technical Skills	Hector	Dalton	24-Aug-21		Area Sales Manager	Sydney French
22	3447	Customer Service	Mariela	Schultz	26-May-20	18-Jun-23	Area Sales Manager	Michelle Evans MD r
າວ		Communication Skills	Angola	Molina	1 Oct 19	_	Aron Saloc Managor	Datricia Cook
	Read	_me Employee_data	vlookup She	eet1 pivot table	conditional form	ating (+	1	

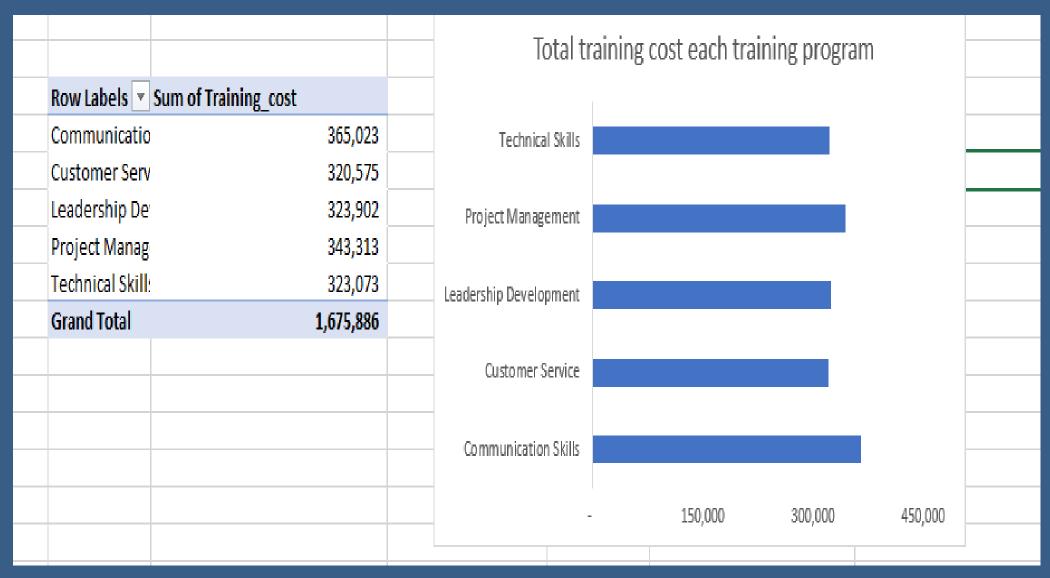
12. CREATE A MULTI-LEVEL PIVOT TABLE TO ANALYZE THE "PERFORMANCE SCORE" BY "BUSINESSUNIT" AND "JOBFUNCTIONDESCRIPTION."

	0 1 (0 (TerminationDesc
	Count of Performance Score		☐ DepartmentType
⊕ BPC	303		☐ Division
⊞ CCDR	300		
⊞ EW	302		☐ DOB
■ MSC	296		State
⊞ NEL	304		JobFunctionDes
⊕ PL	301		GenderCode
⊕ PYZ	299		LocationCode
⊕svG	304		RaceDesc
TNS	297		■ MaritalDesc
₩BL	294		Performance Sc
Grand Total	3000		Current Employe
			Satisfaction Score
			Work-Life Balanc
			Engagement Sco
		-	Training_cost

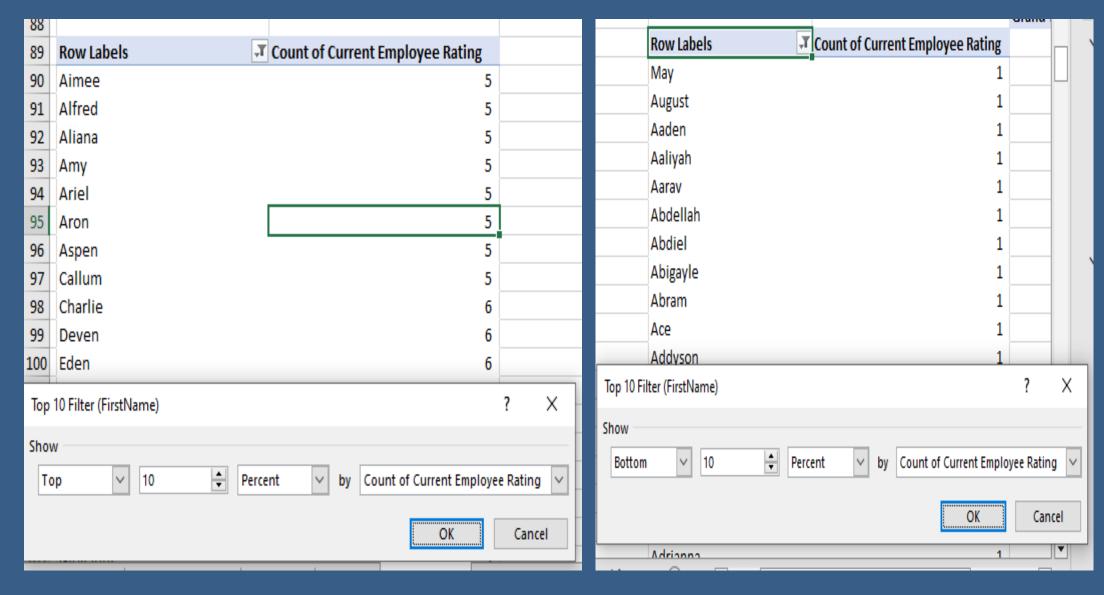
13. DESIGN A DYNAMIC CHART THAT ALLOWS USERS TO SELECT AND VISUALIZE THE PERFORMANCE OF ANY EMPLOYEE OVER TIME.



14. CALCULATE THE TOTAL TRAINING COST FOR EACH "TRAINING PROGRAM NAME" AND DISPLAY IT IN A BAR CHART.



15. APPLY ADVANCED CONDITIONAL FORMATTING TO HIGHLIGHT THE TOP 10% AND BOTTOM 10% OF EMPLOYEES BASED ON "CURRENT EMPLOYEE RATING."



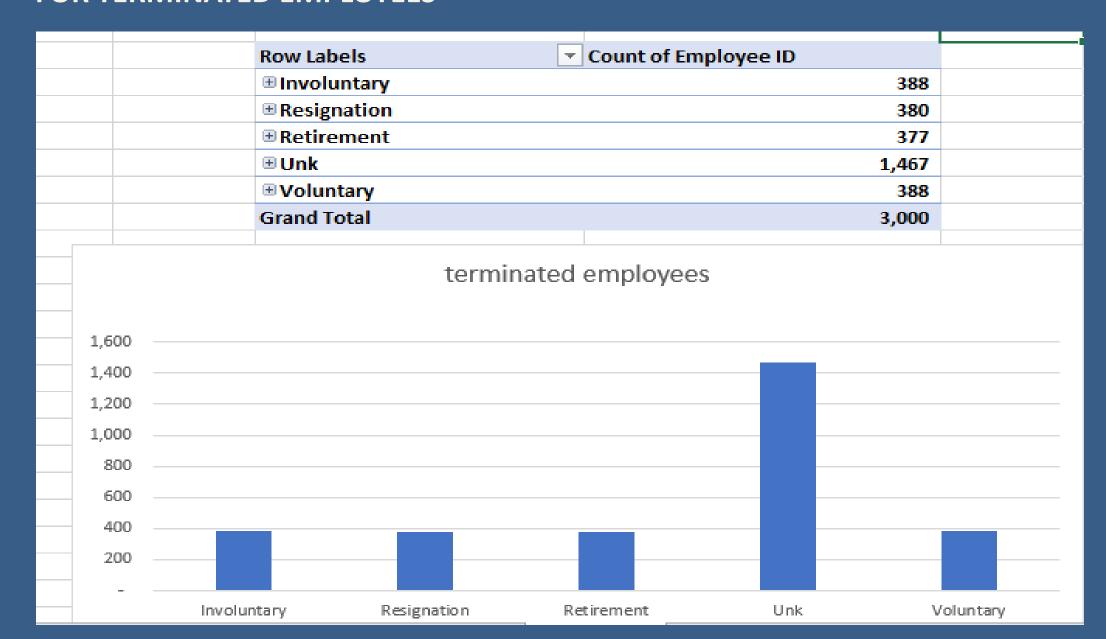
16. USE A CALCULATED FIELD IN A PIVOT TABLE TO DETERMINE THE AVERAGE "ENGAGEMENT SCORE" PER YEAR

Row Labels	 Average of Engagement 	ent Score
2018		2.90
2019		3.07
2020		2.94
2021		2.89
2022		2.94
2023		2.83
Grand Total		2.94

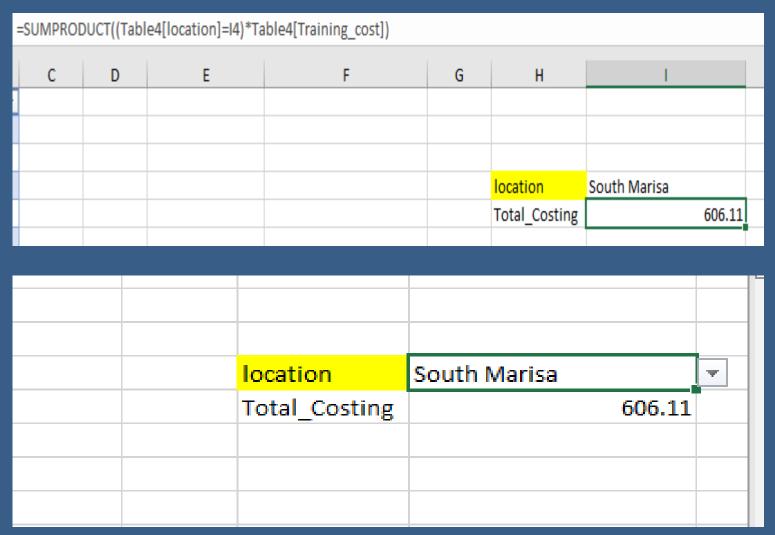
17. CAN YOU BUILD A MACRO THAT AUTOMATES THE PROCESS OF UPDATING AND REFRESHING ALL PIVOT TABLES IN THE WORKBOOK?



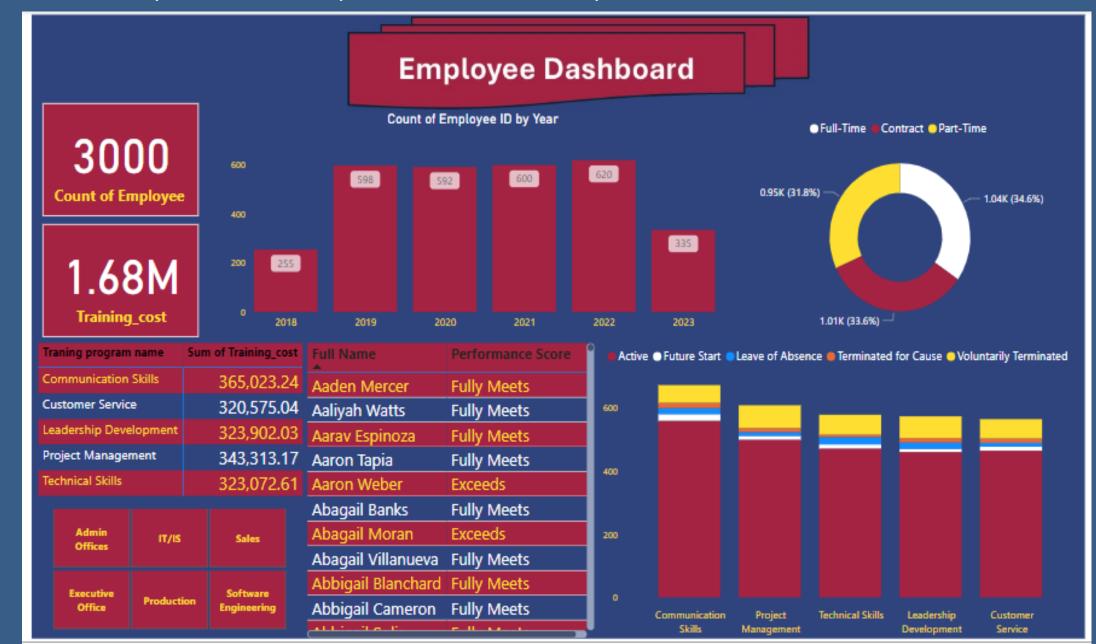
18. CREATE A HISTOGRAM TO UNDERSTAND THE DISTRIBUTION OF "EXITDATE" FOR TERMINATED EMPLOYEES



19. UTILIZE THE SUMPRODUCT FUNCTION TO CALCULATE THE TOTAL TRAINING COST FOR EMPLOYEES IN A SPECIFIC LOCATION.



20. DEVELOP A DASHBOARD THAT PROVIDES AN OVERVIEW OF KEY HR METRICS, INCLUDING HEADCOUNT, PERFORMANCE, AND TRAINING COSTS, USING CHARTS AND PIVOT TABLES.



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