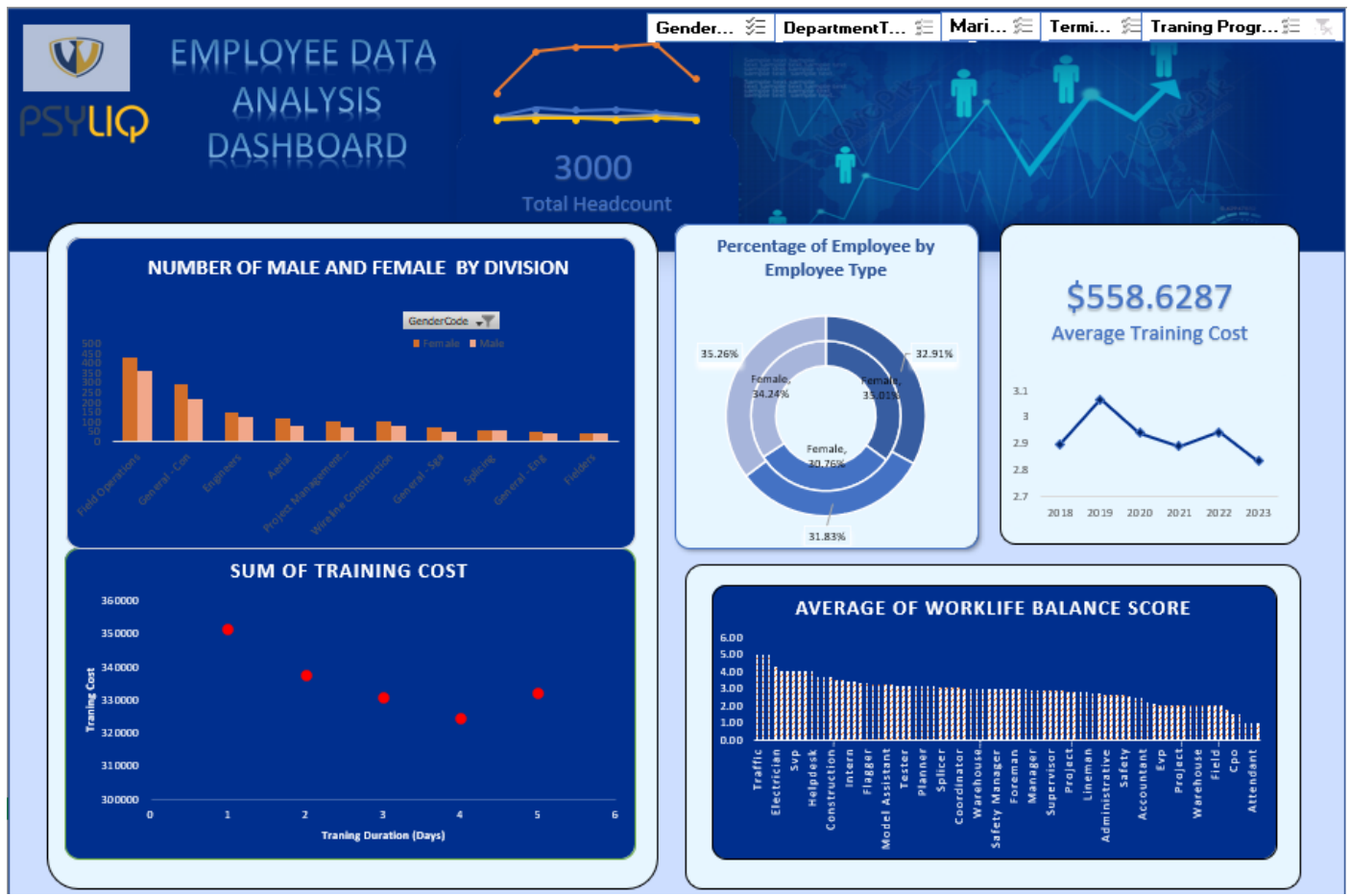


TASK 2: EMPLOYEE DATA ANALYSIS USING EXCEL



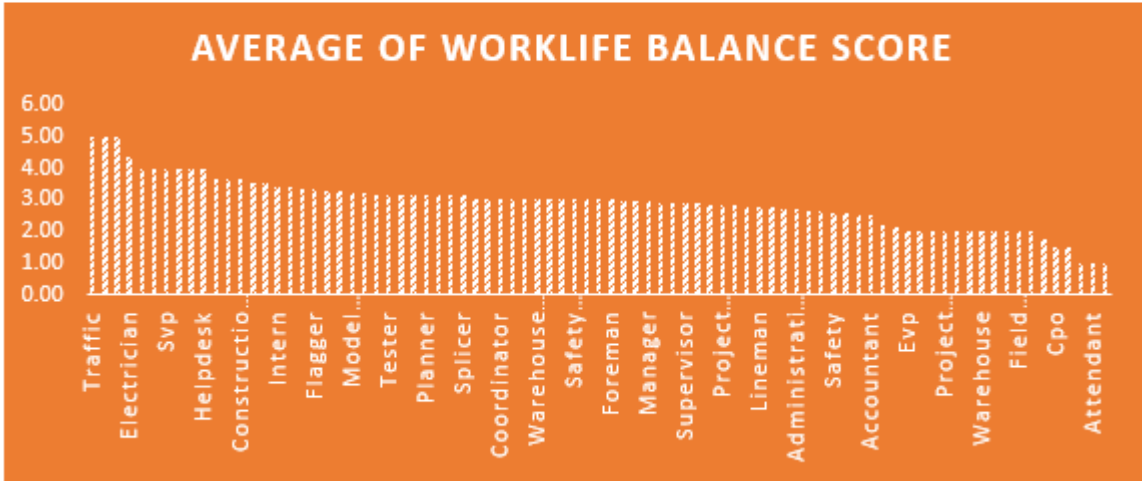
Can you create a pivot table to summarize the total number of employees in each department?

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

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

Row Labels	Average of Satisfaction Score
Female	3.005945303
Male	3.042488619
Grand Total	3.022

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



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

Exit Date (Multiple Items)	
Row Labels	Count of Employee ID
Resignation	380
Grand Total	380

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

Row Labels	Average of Engagement Score
Admin Offices	2.925
Executive Office	3.375
IT/IS	3.026
Production	2.906
Sales	2.991
Software Engineering	2.974
Grand Total	2.940

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

Employee		Traning Programme	Supervisor Id
ID	Name	Name	
3427	<u>Uriah Bridges</u>	Leadership Development	jonathanthompson@example.com
3428	<u>Paula Small</u>	Customer Service	alyssa68@example.com
3429	<u>Edward Buck</u>	Leadership Development	alam@example.net
	<u>Michael</u>		
3430	<u>Riordan</u>	Project Management	hodgeskayla@example.org
3431	<u>Jasmine Onque</u>	Technical Skills	john83@example.net
3432	<u>Maruk Fraval</u>	Project Management	jose64@example.net
3433	<u>Latia Costa</u>	Customer Service	baileychristina@example.net

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

Row Labels	Average of Current Employee Rating
Admin Offices	3.025

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



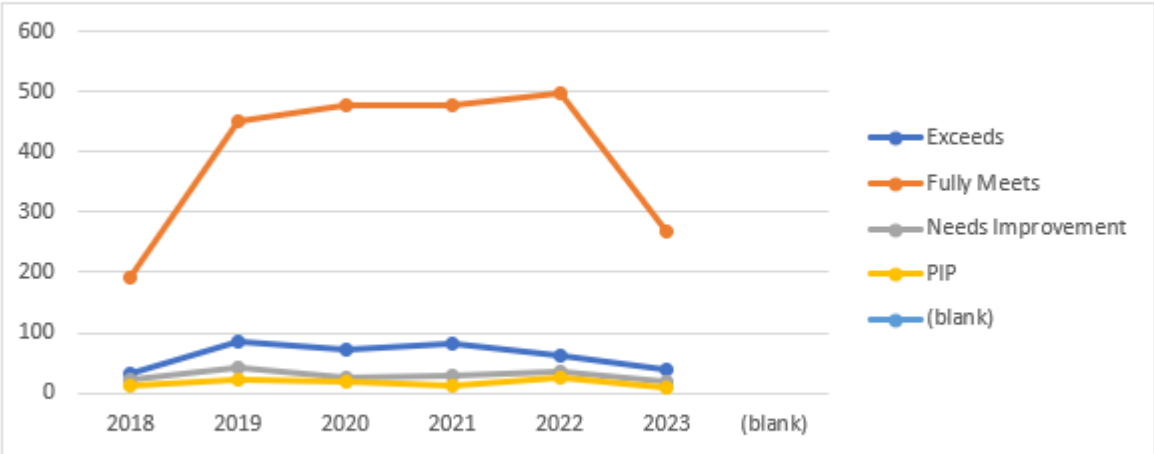
Q. Build a pivot table that shows the count of employees by "RaceDesc" and "GenderCode."

Count of Employee			
ID	Column Labels		
Row Labels	Female	Male	Grand Total
Asian	346	283	629
Black	346	272	618
Hispanic	325	247	572
Other	318	264	582
White	347	252	599
Grand Total	1682	1318	3000

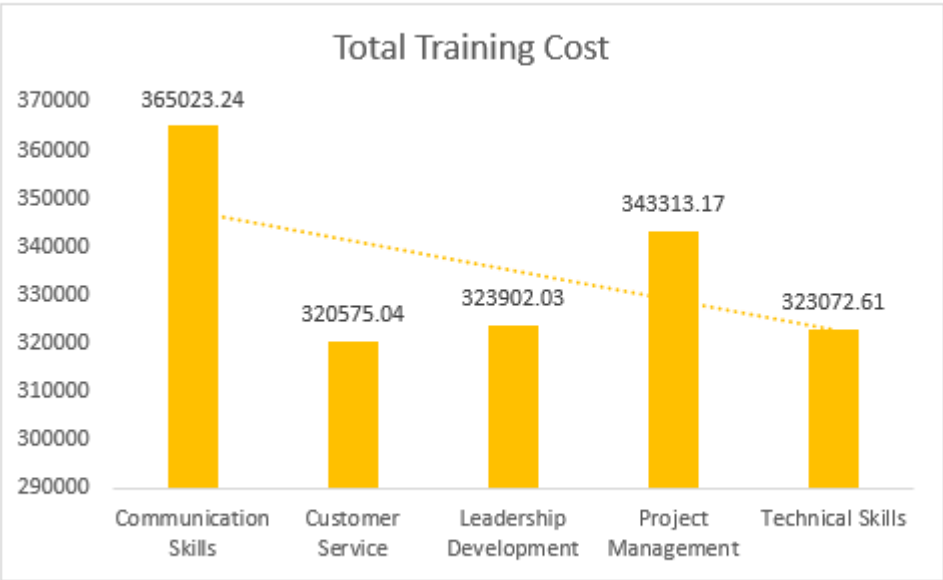
Q. Create a multi-level pivot table to analyze the "Performance Score" by "BusinessUnit" and "JobFunctionDescription."

Count of Employee				
ID	Column Labels			
Row Labels	Exceeds	Fully Meets	Needs Improvement	PIP
BPC	36	235		24
CCDR	39	234		17
EW	39	240		16
MSC	39	226		20
NEL	30	251		11
PL	34	241		16
PYZ	35	228		23
SVG	46	233		20
TNS	41	233		15
WBL	30	240		15
Grand Total	369	2361		177

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



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



Q. 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

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

Location	Total Training Cost
Port Greg	510.83
Brandonview	1108.45
Port Briannahaven	777.06
Knightborough	824.3
Bruceshire	145.99
Erinfort	838.07
New Christopher	667.32
Lowemouth	758.18
Johnland	101.21
Lake Kimfurt	332.25
Smithshire	973.83
Howardburgh	887.08
East Jessicatown	657.85
Watersview	895.49

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