



In [6]:	<pre>df = pd.read_csv ('Data/Employee_Performance_Data.csv') df</pre>									
Out[6]:		EmpNumber	Age	Gender	EducationBackground	MaritalStatus	EmpDepartment	EmpJobRole	BusinessTravelFrequency	Dista
	0	E1001000	32	Male	Marketing	Single	Sales	Sales Executive	Travel_Rarely	
	1	E1001006	47	Male	Marketing	Single	Sales	Sales Executive	Travel_Rarely	
	2	E1001007	40	Male	Life Sciences	Married	Sales	Sales Executive	Travel_Frequently	
	3	E1001009	41	Male	Human Resources	Divorced	Human Resources	Manager	Travel_Rarely	
	4	E1001010	60	Male	Marketing	Single	Sales	Sales Executive	Travel_Rarely	

	1195	E100992	27	Female	Medical	Divorced	Sales	Sales Executive	Travel_Frequently	
	1196	E100993	37	Male	Life Sciences	Single	Development	Senior Developer	Travel_Rarely	
	1197	E100994	50	Male	Medical	Married	Development	Senior Developer	Travel_Rarely	
	1102	E100005	2./	Famala	Medical	Sinala	Data Science	Data	Traval Paraly	

Background Knowledge About The Dataset



Business & Goal of this project

- Analyze the Employee dataset
- Identify key factors affecting performance ratings
- Accurately predict performance outcomes
- Inform HR decision-making
- Boost employee performance
- Support organizational growth.



"What do you mean you don't know what I've been up to recently?! Just follow me on Twitter!"

Key Findings





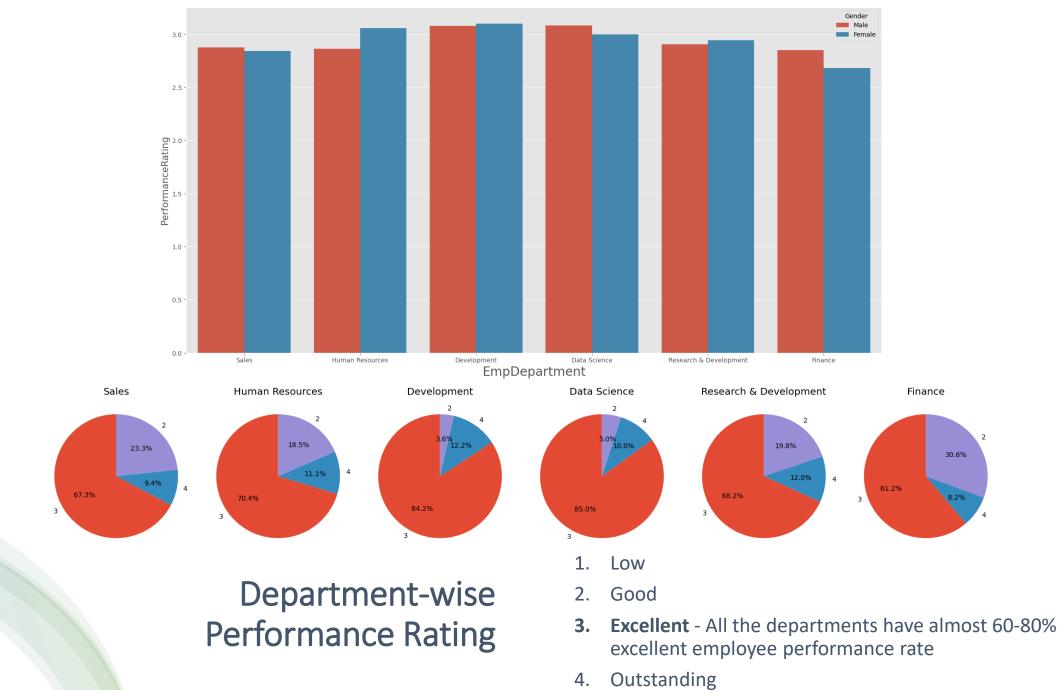


Department-wise Performance Rating

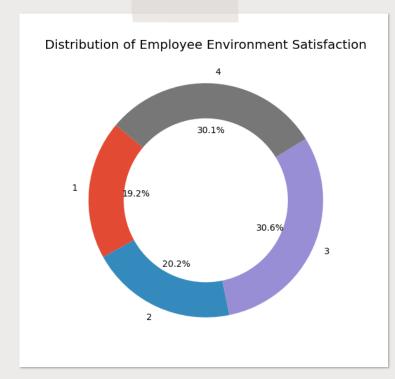
Top 3 Determinants Impacting Employee Performance

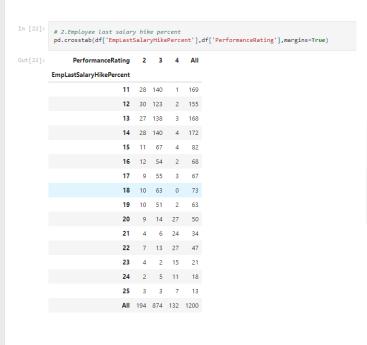
Key Takeaways for HR and Organizations









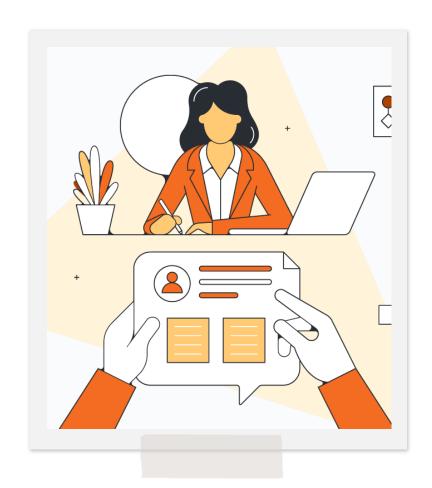




Top 3 Determinants Impacting Employee Performance



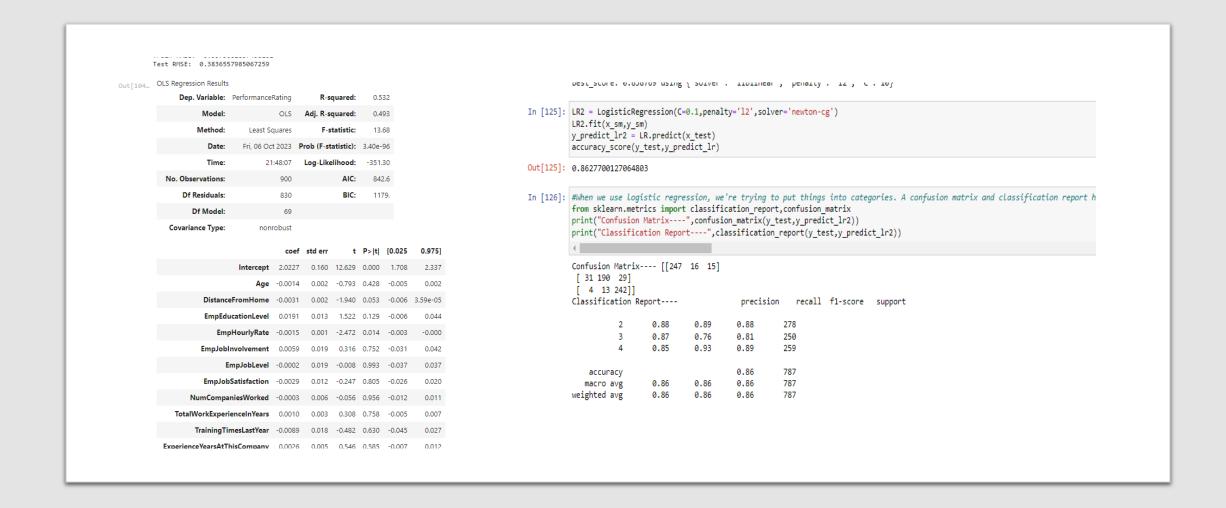
Key Takeaways for HR and Organizations



- Focus on Employee Environment Satisfaction
- Review Compensation Regularly
- Promote Work-Life Balance
- Continuous Learning & Development
- Feedback Mechanism
- Data-Driven Decision Making
- Promote Collaboration
- Recognition and Reward System
- Career Path Clarity



Regression Analysis Insights





Thank You

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