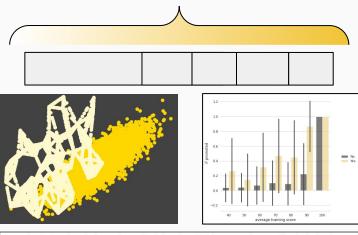
HR PREDICTION ANALYSIS FOR PROMOTIONS

Group 9





	department	region	education	gender	recruitment_channel	no_of_trainings	age	previous_year_rating	length_of_service	award
0	8	7	3	2	2	1	35	5.0	8	
1	5	22	1	1	1	1	30	5.0	4	
2	8	19	1	- 1	2	1	34	3.0	7	
3	8	23	1	1	1	2	39	1.0	10	
4	9	26	1	1	1	1	45	3.0	2	
									200	
54802	8	14	1	1	1	2	31	1.0	2	
54803	9	14	1	1	2	1	48	3.0	17	
54804	5	27	3	2	1	1	37	2.0	6	
54805	1	1	1	1	1	1	27	5.0	3	
54807	3	22	1	1	1	1	27	1.0	5	

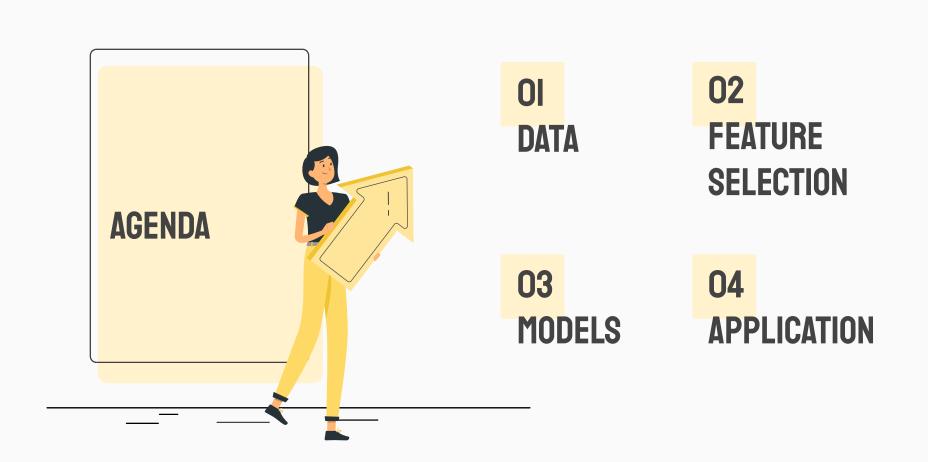


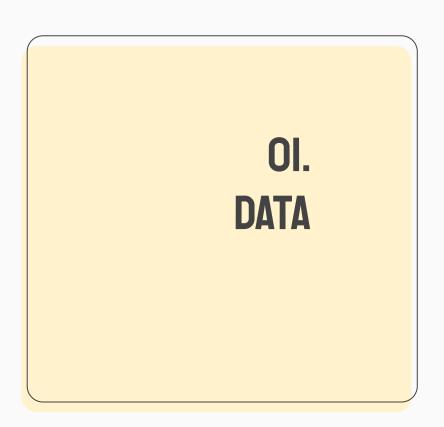
THE BOTTOM LINE

PROMOTION CYCLE

Prd

SOLUTION: PREDICTION ANALYSIS





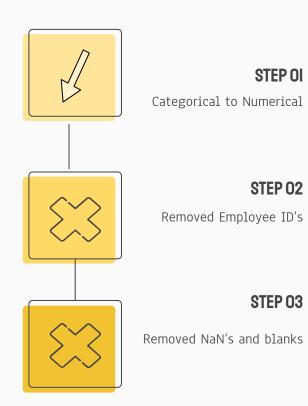


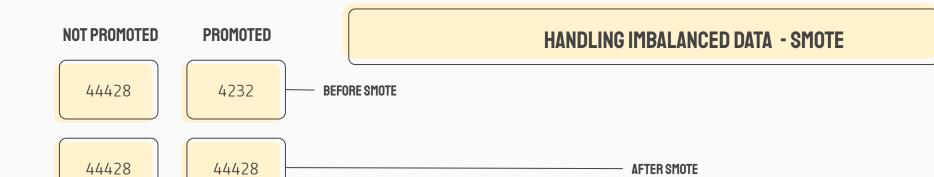
	employee_id	department	region	education	gender	recruitment_channel	no_of_trainings	age	previous_year_rating	length_of_service
0	00438	Sales & Marketing	region_7	Master's & above	f	sourcing	1	35	5.0	8
1	65141	Operations	region_22	Bachelor's	m	other	1	30	5.0	4
2	7513	Sales & Marketing	region_19	Bachelor's	m	sourcing	1	34	3.0	7
3	2542	Sales & Marketing	region_23	Bachelor's	m	other	2	39	1.0	10
4	48945	Technology	region_26	Bachelor's	m	other	1	45	3.0	:

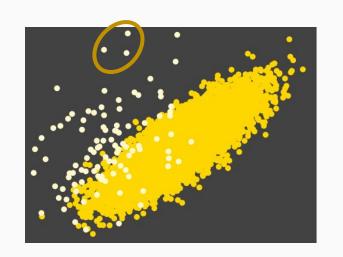
54803	3030	Technology	region_14	Bachelor's	m	sourcing	1	48	3.0	17
54804	74592	Operations	region_27	Master's & above	f	other	1	37	2.0	(
54805	13918	Analytics	region_1	Bachelor's	m 🙀	other	1	27	5.0	;
54806	13614	Sales & Marketing	region_9	NaN	∼ m	sourcing	1	29	1.0	;
54807	51526	HR	region_22	Bachelor's	m	other	1	27	1.0	

	department	regid	lucation	gender	recruitment_channel	no_of_trainings	age	previous_year_rating	length_of_service award
0	8		3	2	2	1	35	5.0	8
1	5		1	1	1	1	30	5.0	4
2	8		1	1	2	1	34	3.0	7
3	8	/ /	1	1	1	2	39	1.0	10
4	9	/ /	3 1	1	1	1	45	3.0	2
		· L	—		***				595
54802	\	,	1	1	1	2	31	1.0	2
54803		/14	1 1	1	2	1	48	3.0	17
54804	e e	27	7 3	2	1	1	37	2.0	6
54805		1	1 1	1	1	1	27	5.0	3
54807	3	22	2 1	- 1	1	1	27	1.0	5

CLEANING DATA









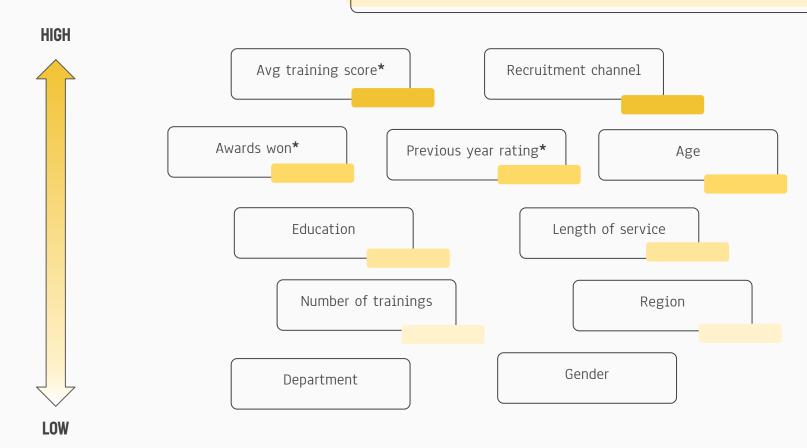


O2. FEATURE SELECTION

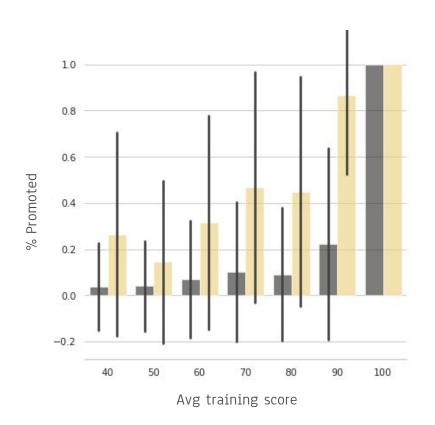


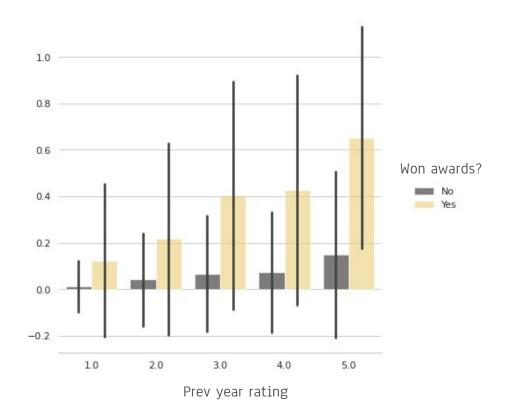
(*) indicates top 3 chi-squared statistics

FEATURE INFLUENCE

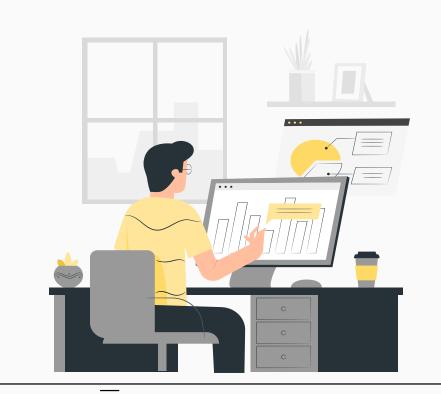


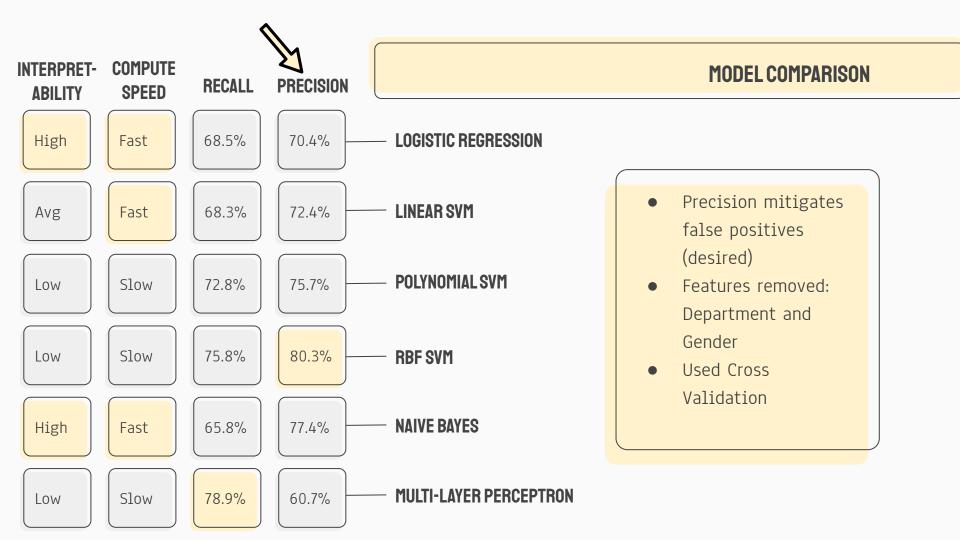
FEATURE VISUALIZATION





O3.





O4. APPLICATION



PERSON A

Female Gender 36 Age Department R&D Education MS & Above Recruitment Sourcing Length of service 9 Awards won * 0 Number of trainings 80 Avg training score * Prev year rating * 5.0/5.0 Prediction (Yes) 76.8%

PERSON B

Gender	Male	
Age	60	
Department	Technology	
Education	MS & Above	
Recruitment	Sourcing	
Length of service	9	
Awards won *	0	
Number of trainings	1	0
Avg training score *	61	
Prev year rating *	5.0/5.0	71
Prediction (Yes)	19.4%	

PERSON C

-			
	Gender	Male	
	Age	34	
	Department	Analytics	
	Education	BS	
	Recruitment	Sourcing	
	Length of service	7	
	Awards won *	1	
	Number of trainings	1	
	Avg training score *	90	
	Prev year rating *	5.0/5.0	
	Prediction (Yes)	100%	



LIMITATIONS AND NEXT STEPS

- Lack of identifiable information
- Need more data/datasets
- Productize codebase

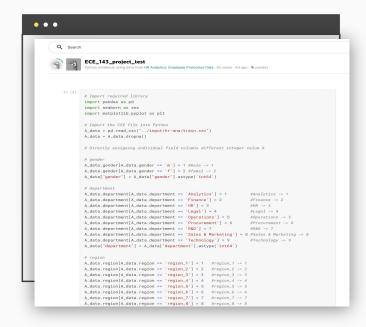


THANKS

Does anyone have any questions?

Group 9

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik** and illustrations by **Storyset**



Kaggle Notebook: https://www.kaggle.com/eugeneli9/ece-143project-test

