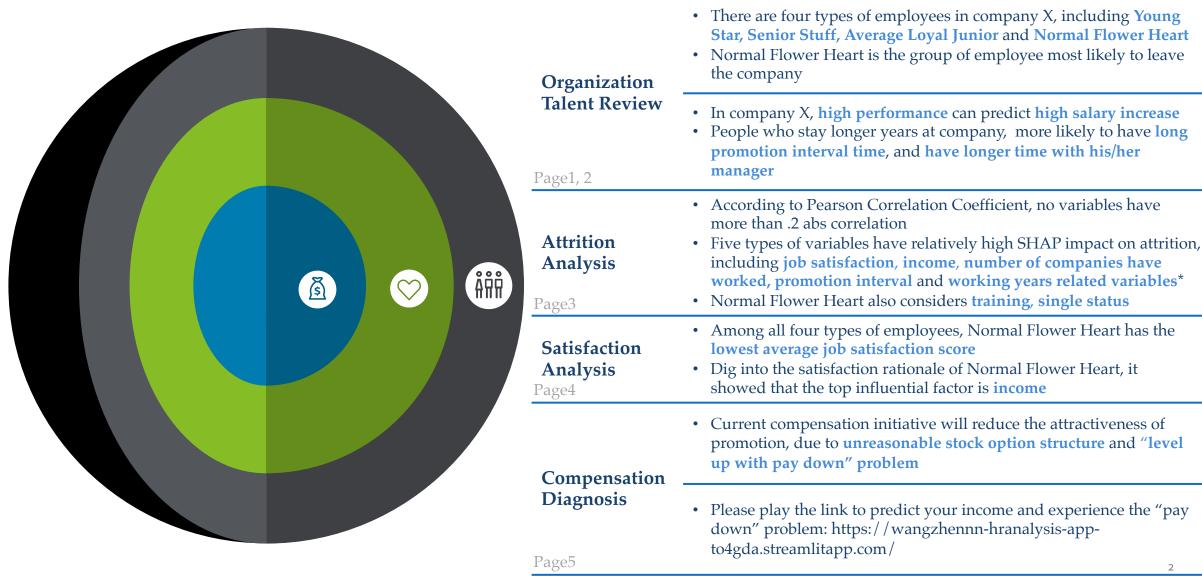




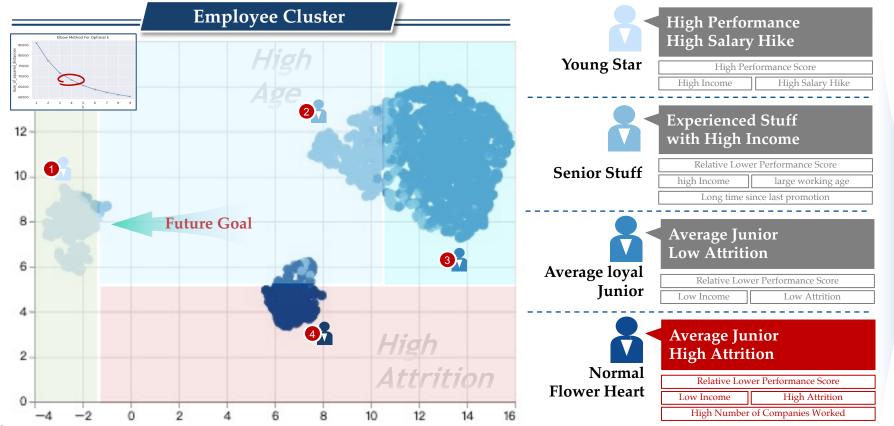
Summary: In-depth, the rationale of high attrition rate is related to **unreasonable compensation structure**, including both short- and long-term incentive plan, which also induced job satisfaction and promotion problem



Organization Talent Review (1/2)



- Organization Talent Review(OTR) is a powerful human resource management tool, which helps company to visualize both team and individual performance, and generate future talent acquisition and development strategy based on OTR outcome. High-profile advocates such as Jack Welch at General Electric (GE) and consultancies such as McKinsey have led the discourse around the "War for Talent" (Hongal & Kinange, 2020)
- Talent Sudoku is a common way to implement OTR with manual computation on employee's individual variables. However, empowered by artificial intelligence, we can use Clustering Algorithm to profiling employee. For Company X, there are four types of employees in company X, dividing mainly by **performance**, **attrition** and **age**, in which "**Normal Flower Heart**" **group** should draw our attention to analysis the rationale



Conclusion

- ✓ There are four types of **employees** in company X, including Young Star, Senior Stuff, Average Loyal Junior and Normal Flower Heart
- ✓ Employees are mainly segmented by performance, attrition and age
- ✓ The Normal Flower Heart with high attrition rate should draw our attention to analysis the rationale of its high attrition rate

To be discussed

1 Organization Talent Review (2/2)

	Young Star	Senior Stuff	Average loyal Junior	Normal Flower Hear									Conclusion • High performance can predict high										
Age (median) a	34	42	35	31									• H	ligh	per	forr	nan	се с	an p	red	ict h	igh	
Distance From Home b	9.75	9.93	8.84	8.91	0.00								Si	alary	y inc	crea	se						
Education Level 💿	2.82	2.93	2.94	2.87	-0.03	-0.01							 People who stay longer years at company, more likely to have long 										
Job Level 📵	2.01	1.87	2.14	2.05	-0.00	-0.04	0.04														ve Ioi Id ha		
Income @	66,915	68,515	63,568	63,817	-0.05	-0.02	0.01	0.05					longer time with his/her manager										
Stock Option Level f	0.70	0.77	0.83	0.82	-0.03	0.01	0.00	0.00	0.03				• For predicting attrition, no variables										,
Percent Salary Hike g	21.86	14.19	14.02	14.17	-0.03	0.04	-0.04	0.01	0.01	0.01			h	ave	mor	re th	an .	2 ab	s co	rrel	ation	1	
Training Times Last Year h	2.69	2.77	2.87	2.65	-0.03	-0.01	0.01	-0.03	0.04	-0.07	-0.04	_											
Years at Company 🕕	5.91	15.95	4.78	3.75	0.31	0.03	0.01	-0.06	0.00	0.01		-0.01											
Years Since Last Promotion	1.58	6.43	1.00	1.30	0.22	0.00	0.03	-0.06	0.06	0.02	-0.03	0.01	0.62										
Years with Current Manager 🗷	3.76	8.79	2.95	2.22	0.20	0.02	0.01	-0.05	0.03	0.02	-0.04	-0.02	0.77	0.51									
Num Companies Worked 🕕	2.81	2.56	2.66	2.88	0.30	-0.02	-0.02	-0.01	-0.02	0.02		-0.03	-0.12	-0.03	-0.11								
Total Working Years m	10.23	20.00	9.32	7.00	0.68	0.00	-0.01	-0.04	-0.03	0.00		-0.04	0.63	0.41	0.46	0.24							
Performance n	4.00	3.04	3.00	3.00	-0.03	0.04	-0.04	-0.00	0.02	-0.04	0.77	-0.02	-0.01	-0.02	-0.01	0.02	-0.00						
Job Involvement o	2.74	2.74	2.73	2.68	0.02	-0.01	-0.02	-0.02	0.03	0.01	-0.00	-0.01	0.01	0.03	-0.00	0.03	0.00	0.01					
Environment Satisfaction p	2.74	2.76	2.77	2.44	0.01	0.02	-0.04	-0.02	-0.01	-0.01		0.02	0.00	0.02	-0.00	0.01	-0.00	0.01	0.02				
Job Satisfaction 🕦	2.88	2.59	2.82	2.34	0.00	-0.01	-0.01	-0.02	0.00	0.04		-0.02	-0.00	-0.02	-0.03	-0.06	-0.01	0.05	0.00	-0.00			
Work Life Balance Level	2.72	2.80	2.78	2.67	-0.02	0.01	-0.01	-0.02	0.00	-0.02	-0.04	-0.02	0.01	0.01	0.01	-0.01	-0.00	-0.02	-0.02	0.02	-0.02		
Attrition Level S	0.19	0.07	0	1	-0.16	-0.01	-0.02	-0.01	-0.03	-0.01		-0.05	-0.13	-0.03	-0.16	0.04	-0.17	0.03	-0.01	-0.10	-0.10	-0.06	
manager	39/626	181/2683	79/991	30/519	a	b	C	d	e H	f igh S	g	h	i	Ð	k	1	m	n	0	P	q	T	S Lov

Overall Sample

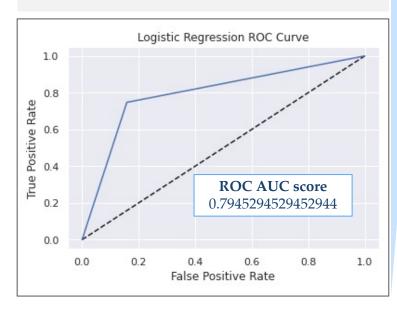
Attrition Analysis

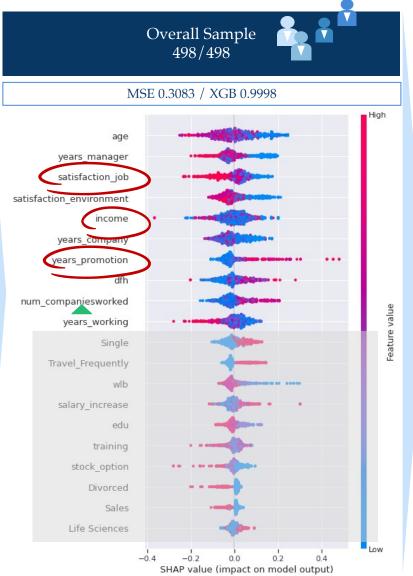
Deal with Imbalance Sample Problem

According to Google Developers, there are 3 degrees of imbalance — mild (20–40%), moderate (1-20%), and extreme (<1%)

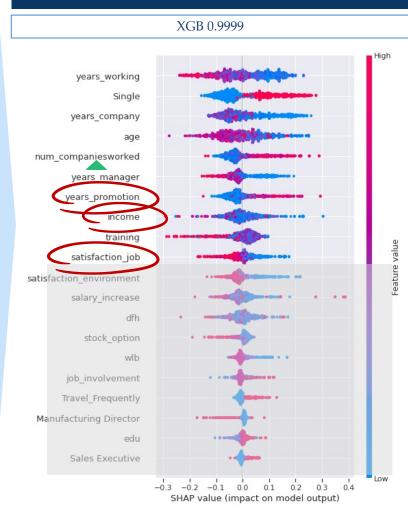
• Before undersampling

- 2512
- 498
- After undersampling
 - 498
 - 498

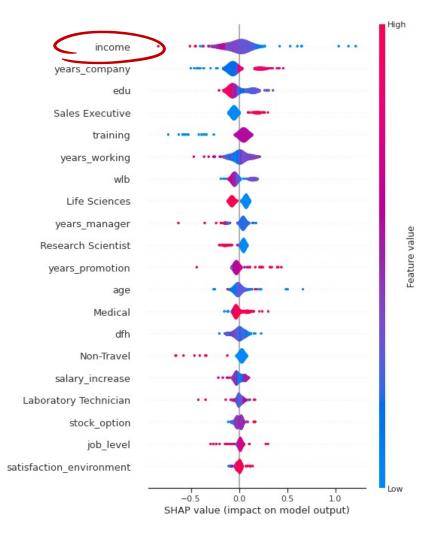




Average loyal Junior & Normal Flower Heart 492/492









Is INCOME Reasonable?

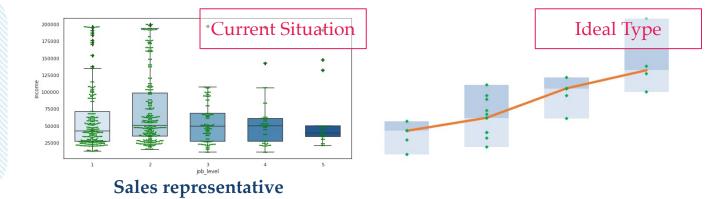
Please play the link to predict your income based on current organization income setting*

Compensation Analysis

- ✓ **Material Compensation** usually includes salary, bonus, and long-term incentive (e.g. stock option)
- ✓ To gain compensation competitiveness, HR should analyze the external compensation competitiveness, internal fairness and compensation structure. This report mainly focused on compensation internal fairness analysis and stock option analysis
- ✓ Current compensation initiative will reduce the attractiveness of promotion due to unreasonable stock option plan and "pay down" problem

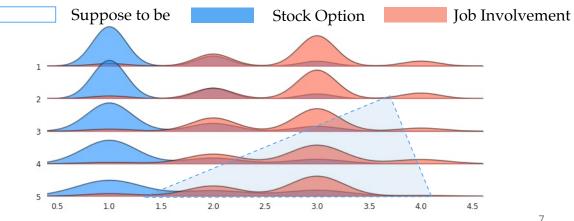
Income Lack of Internal Fairness

- "Pay Down" occurs in each position, which means with job level increase, the medium value decreases
- This will lead to the internal promotion lost attractiveness



Stock Option Lack of Motivation Effectiveness

- Stock Option is a powerful and distinguishable method to motivate c-site
- Normally, executives should acquire **more or** high-level stock option compared to employees



Appendix: income diagnosis for each position

