

Organizational Churn: A Roll of the Dice?

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苹果谷歌等科技公司被曝签订"互不挖人"协议













董明珠再斥同行:国家要求创新 不是要你偷人

董明珠:创新不是要你偷人 挖人要交转会费



What Employees Do





What HRs Do





What Researchers Do

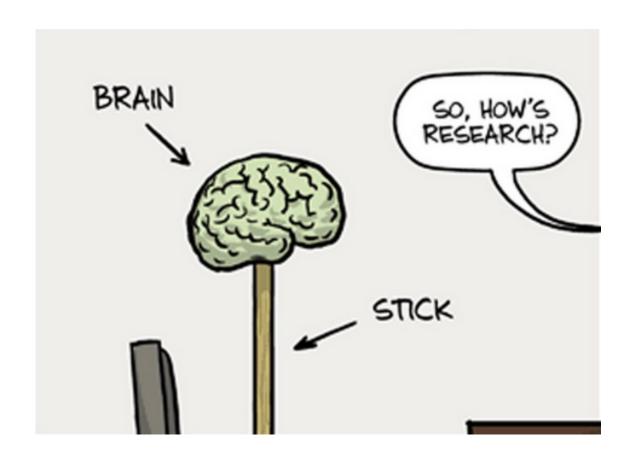








Why This is Hard





What We Assume



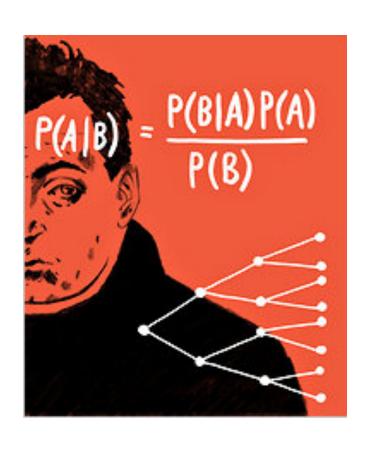


What HRs Do (Now)





What HRs Do (Now)



For ANY employee: Stay inclination parameter α

Leave inclination parameter β

If someone around him/her stays:

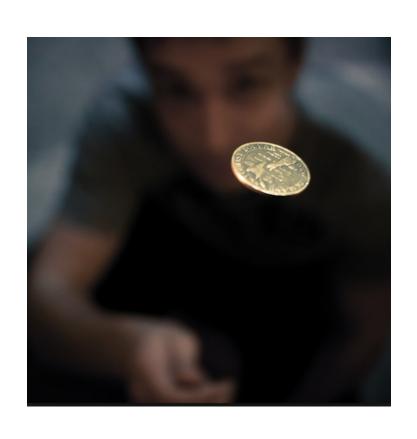
$$\alpha = \alpha + 1$$

If someone around him/her leaves:

$$\beta = \beta + 1$$



What HRs Do (Now)



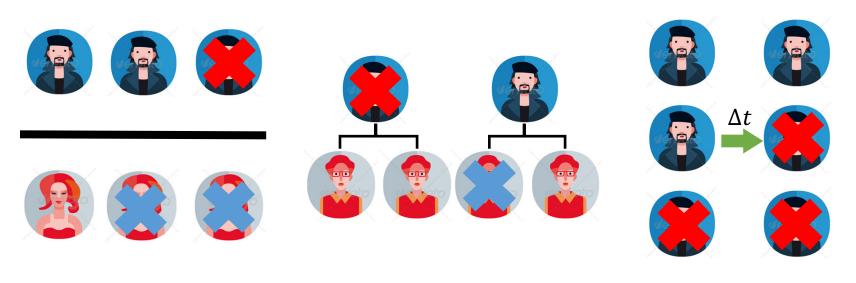
$$P(leave) = \beta/(\alpha + \beta)$$

Experience $\sim \alpha + \beta$

Promote the employee with the highest P(leave)



Modeling impact of different churn rates



Different overall churn rates

Different churn rates in a company

Increasing churn rates over time



Modeling different promotion strategies





Staff Number

Productivity

Different Strategies		Year2	Year4	Year6	Year8	Year10
Experience	Staff Number	313.0	310.7	304.9	298.8	292.9
Likelihood	Staff Number	311.1	309.1	308.4	303.7	300.6
	Increase(%)	-0.62%	-0.52%	1.16%	1.64%	2.61%
Experience	Productivity	2574.9	2706.2	2698.5	2651.7	2612.8
Likelihood	Productivity	2577.8	2759.3	2872.8	2886.0	2904.0
	Increase(%)	0.11%	1.96%	6.46%	8.84%	11.14%



Applications for HR and Company



Monitor Human Resource Activities



Understand
Employee
Churn Inclination



Reduce Employee Churn