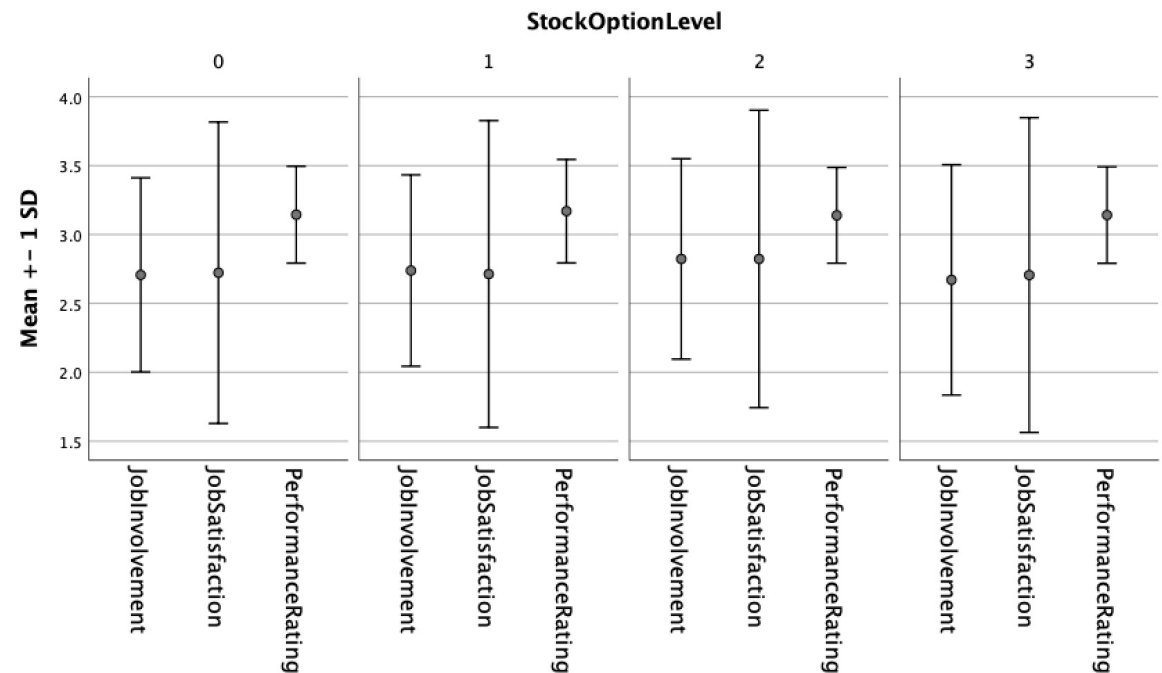


# Mean comparison: is stock option motivating?

**Report**

StockOptionLevel		JobInvolvement	JobSatisfaction	Performance Rating
0	Mean	2.71	2.72	3.14
	N	631	631	631
	Std. Deviation	.705	1.094	.352
1	Mean	2.74	2.71	3.17
	N	596	596	596
	Std. Deviation	.695	1.114	.375
2	Mean	2.82	2.82	3.14
	N	158	158	158
	Std. Deviation	.727	1.080	.347
3	Mean	2.67	2.71	3.14
	N	85	85	85
	Std. Deviation	.836	1.143	.350
Total	Mean	2.73	2.73	3.15
	N	1470	1470	1470
	Std. Deviation	.712	1.103	.361



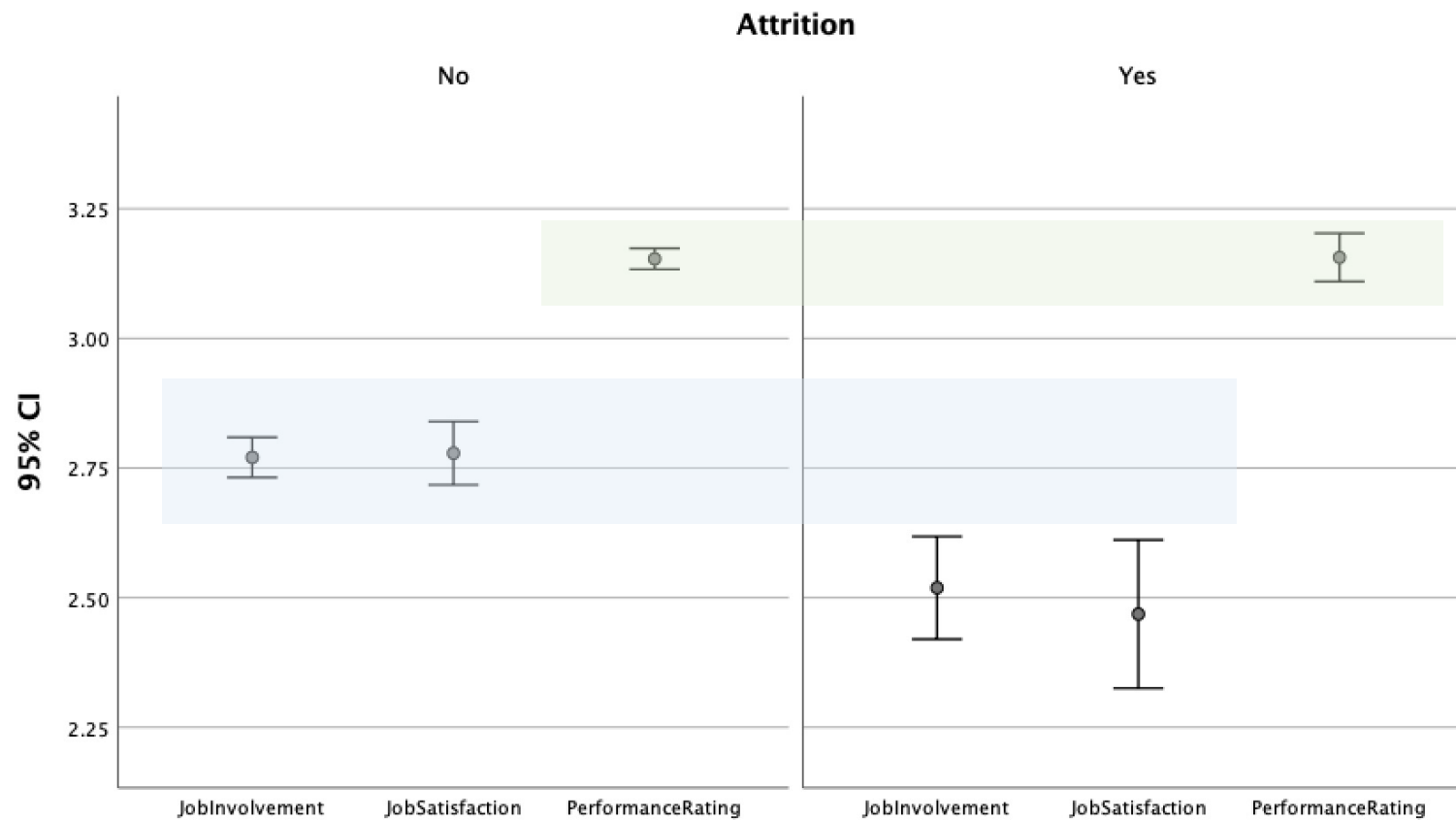
A common mistake: just look at the mean

# Who is leaving and why?

## Report

Attrition		JobSatisfactio n	JobInvolveme nt	Performance Rating	WorkLifeBala nce	Age	MonthlyInco me	YearsAtCom pany	DistanceFro mHome
No	Mean	2.78	2.77	3.15	2.78	37.56	6832.74	7.37	8.92
	N	1233	1233	1233	1233	1233	1233	1233	1233
	Std. Deviation	1.093	.692	.360	.682	8.888	4818.208	6.096	8.013
Yes	Mean	2.47	2.52	3.16	2.66	33.61	4787.09	5.13	10.63
	N	237	237	237	237	237	237	237	237
	Std. Deviation	1.118	.773	.364	.816	9.689	3640.210	5.950	8.453
Total	Mean	2.73	2.73	3.15	2.76	36.92	6502.93	7.01	9.19
	N	1470	1470	1470	1470	1470	1470	1470	1470
	Std. Deviation	1.103	.712	.361	.706	9.135	4707.957	6.127	8.107

# How are leavers different?



# Are the differences real?

## ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
JobInvolvement	Between Groups	12.573	1	12.573	25.242	.000
	Within Groups	731.210	1468	.498		
	Total	743.783	1469			
JobSatisfaction	Between Groups	19.133	1	19.133	15.890	.000
	Within Groups	1767.567	1468	1.204		
	Total	1786.700	1469			
PerformanceRating	Between Groups	.002	1	.002	.012	.912
	Within Groups	191.253	1468	.130		
	Total	191.254	1469			

### Correlations

		Performance Rating	JobInvolvement	JobSatisfaction	MonthlyIncome	TrainingTimesLastYear
PerformanceRating	Pearson Correlation	1	-.029	.002	-.017	-.016
	Sig. (2-tailed)		.265	.930	.512	.551
	N	1470	1470	1470	1470	1470
JobInvolvement	Pearson Correlation	-.029	1	-.021	-.015	-.015
	Sig. (2-tailed)	.265		.411	.559	.557
	N	1470	1470	1470	1470	1470
JobSatisfaction	Pearson Correlation	.002	-.021	1	-.007	-.006
	Sig. (2-tailed)	.930	.411		.784	.825
	N	1470	1470	1470	1470	1470
MonthlyIncome	Pearson Correlation	-.017	-.015	-.007	1	-.022
	Sig. (2-tailed)	.512	.559	.784		.405
	N	1470	1470	1470	1470	1470
TrainingTimesLastYear	Pearson Correlation	-.016	-.015	-.006	-.022	1
	Sig. (2-tailed)	.551	.557	.825	.405	
	N	1470	1470	1470	1470	1470

# Will training time predict performance?

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.016 <sup>a</sup>	.000	.000	.361

a. Predictors: (Constant), TrainingTimesLastYear

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.046	1	.046	.356	.551 <sup>b</sup>
	Residual	191.208	1468	.130		
	Total	191.254	1469			

a. Dependent Variable: PerformanceRating

b. Predictors: (Constant), TrainingTimesLastYear

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.166	.023		140.659	.000
	TrainingTimesLastYear	-.004	.007	-.016	-.597	.551

a. Dependent Variable: PerformanceRating