

Problem 2

A study was conducted to determine if the level of stress in a person's job affects her or his opinion about the company's proposed new health plan. A random sample of 3000 employees yields the responses shown below:

Job Stress	Employee Response		Total
	Favorable	Unfavorable	
Low	250	750	1,000
High	400	1,600	2,000
Total	650	2,350	3,000

Estimate the conditional probabilities of a favorable and an unfavorable response given the level of stress. Compute an estimate of the odds ratio of a favorable response for the two groups, and determine if type of response is related to level of stress.