

Application exercise 5.1: Inference for comparing two proportions

Team name: _____

Lab section: 8:30 10:05 11:45 1:25 3:05

Write your responses in the spaces provided below. WRITE LEGIBLY and SHOW ALL WORK! Only one submission per team is required. One team will be randomly selected and their responses will be discussed and graded. Concise and coherent are best!

On the Perils of Living Dangerously in the Slasher Horror Film



The slasher horror film has been deplored based on claims that it depicts eroticized violence against predominately female characters as punishment for sexual activities. To test this assertion, a quantitative content analysis was conducted to examine the extent to which gender differences are evident in the association between character survival and engagement in sexual activities. Information pertaining to gender, engagement in sexual activities, and survival was coded for film characters from a simple random sample of 50 English-language, North American slasher films released between 1960 and 2009.¹

Based on the data provided below, is survival for **female** characters in slasher films associated with sexual activity? If yes, quantify this association using a confidence interval. Make sure to check the necessary conditions.

Gender	Sexual activity	Outcome of physical aggression		n
		Survival	Death	
Female	Present	13.3% (n=11)	86.7% (n=72)	83
	Absent	28.1% (n=39)	71.9% (n=100)	139
Male	Present	9.5% (n=7)	90.5% (n=67)	74
	Absent	14.8% (n=28)	85.2% (n=161)	189

¹Welsh, Andrew. "On the perils of living dangerously in the slasher horror film: Gender differences in the association between sexual activity and survival." Sex Roles 62.11-12 (2010): 762-773.