

Project 5.1

Math 13, BCC

Research Questions

1) Is there an association between **Studio** (Big6 or Other) and **Star Race**? Is a person of color more likely to get a starring role in movies produced by the Big6 studios or other Studios?

		<i>Star Race</i>		
		Person of Color	White	Total
<i>Studio</i>	Big6	4	36	40
	Other	3	32	35
	Total	7	68	75

2) Is there an association between movie **Genre** (Action/Adventure or Other) and **Star Gender**? Are women less likely to star in Action/Adventure movies compared to other genres?

		<i>Star Gender</i>		
		Female	Male	Total
<i>Genre</i>	Action/Adv	7	36	43
	Other	2	30	32
	Total	9	66	75

Assignment Requirements

- Identify the explanatory and response variables.
- Calculate relevant percentages. When stating percentages include a fraction that shows the numbers used to calculate the percentage. Write a sentence to explain what each percentage tells us.
- Draw barcharts to support your analysis.
- Answer the research questions.