Week 2 Day 2

Stat140-04

Shan Shan

A Statistics class reports the following data on Sex and Eye Color for students in the class:

		Blue	Brown	Green/Hazel/Other	Total
				Eye Color	
Sex	Male	6	20	6	32
	Female	4	16	12	32
	Total	10	36	18	64

1. What percent of females are brown-eyed?

2. What percent of brown-eyed students are female?

3. What percent of students are brown-eyed females?

4. What's the distribution of Eye Color?

5. What's the conditional distribution of Eye Color for the males?

6. Compare the percent who are female among the blue-eyed students to the percent of all students who are female.

7. Does it seem that Eye Color and Sex are independent? Explain.