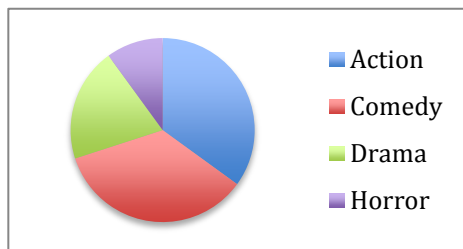


1. Find a frequency table of categorical data from a newspaper, a magazine or the Internet. Bring a copy with you.
 - a. Is it clearly labeled?
 - b. Does it display percentages or counts?
 - c. Does the accompanying article give enough context to the data?
 - d. Do you think the article correctly interprets the data?

2. The pie chart below summarizes the genres of 120 first-run movies in 2005.



- a. Is this an appropriate display for the genres? Why or why not?
- b. Which genre is least common?

3. An investigation compiled information about recent nonmilitary plane crashes. The causes, to the extent that they can be determined, are summarized in the table.

Cause	Percent
Pilot Error	40
Other human error	5
Weather	6
Mechanical Failure	14
Sabotage	6

- a. Is it reasonable to conclude that the weather or mechanical failure caused only about 20% of recent plane crashes?
- b. In what percent of crashes were the causes not determined?
- c. Create an appropriate display for these data.

4. Prior to graduation, a high school class was surveyed about its plans. The following table displays the results for white and minority students (the “Minority” group includes African-American, Asian, Hispanic and Native American students):

<i>Plans</i>	<i>White</i>	<i>Minority</i>
4-year college	198	44
2-year college	36	6
Military	4	1
Employment	14	3
Other	16	3

- What percent of the seniors are white?
- What percent of seniors are planning to attend a 2-year college?
- What percent of the seniors are white and planning to attend a 2-year college?
- What percent of the white seniors are planning to attend a 2-year college?
- What percent of the seniors planning to attend a 2-year college are white?
- Find the column percents among white students.
- Find the column percents among minority students.
- Create a graph comparing the plans of white and minority students. (Compare the column percents and you may use technology to do this).
- Do you see any important differences in the post graduation plans of white and minority students? Write a brief summary of what these data show.