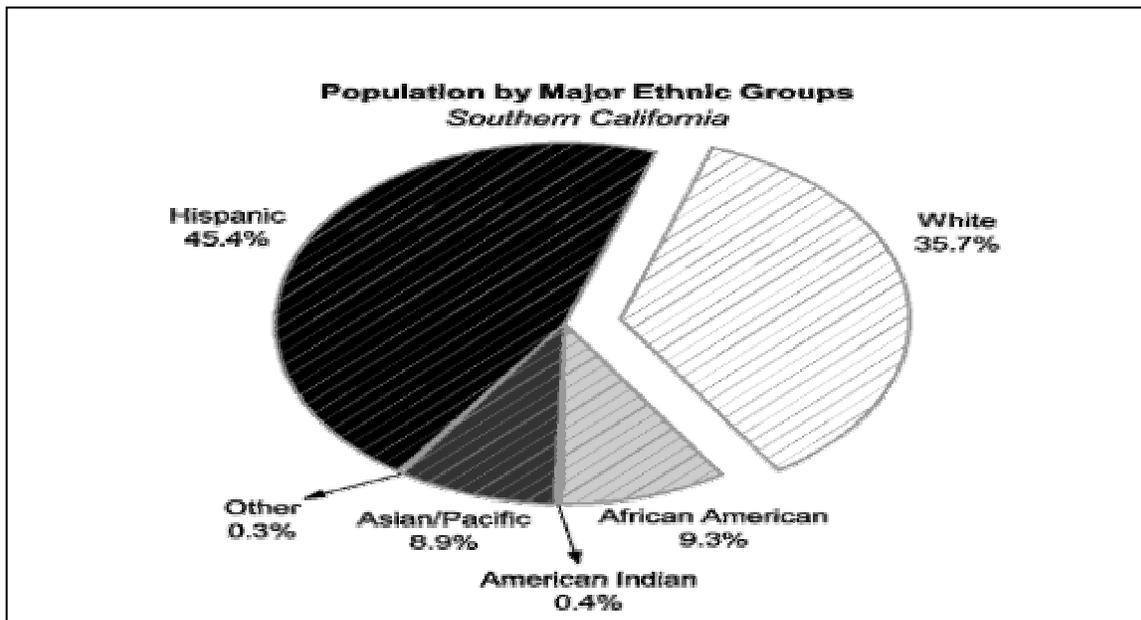


17. UNDERSTANDING AND INTERPRETING CIRCLE (PIE) GRAPHS



Graph from: Origin Lab Scientific Graphing

HOW DO I READ A CIRCLE (PIE) GRAPH?

- **Look at the title.** This graph is about the different ethnic groups living in Southern California.
- **Identify the different groups in the graph.** In this case the groups represented in the population of Southern California are Hispanics, Whites, African-Americans, Asians/Pacific Islanders, American Indians, and Other.
- **Identify the percentage of each group.** This graphs shows us that Hispanics represent 45.4% of Southern California's population, Whites represent 35.7%, African-Americans 9.3%, Asians & Pacific Islanders 8.9%, American Indians 0.4%, and Other 0.3%.
- **Compare the percentages of the groups.** The graph indicates that Hispanics are the largest ethnic group represented in Southern California's population, Whites are the second-largest, African-Americans are the third largest, etc.

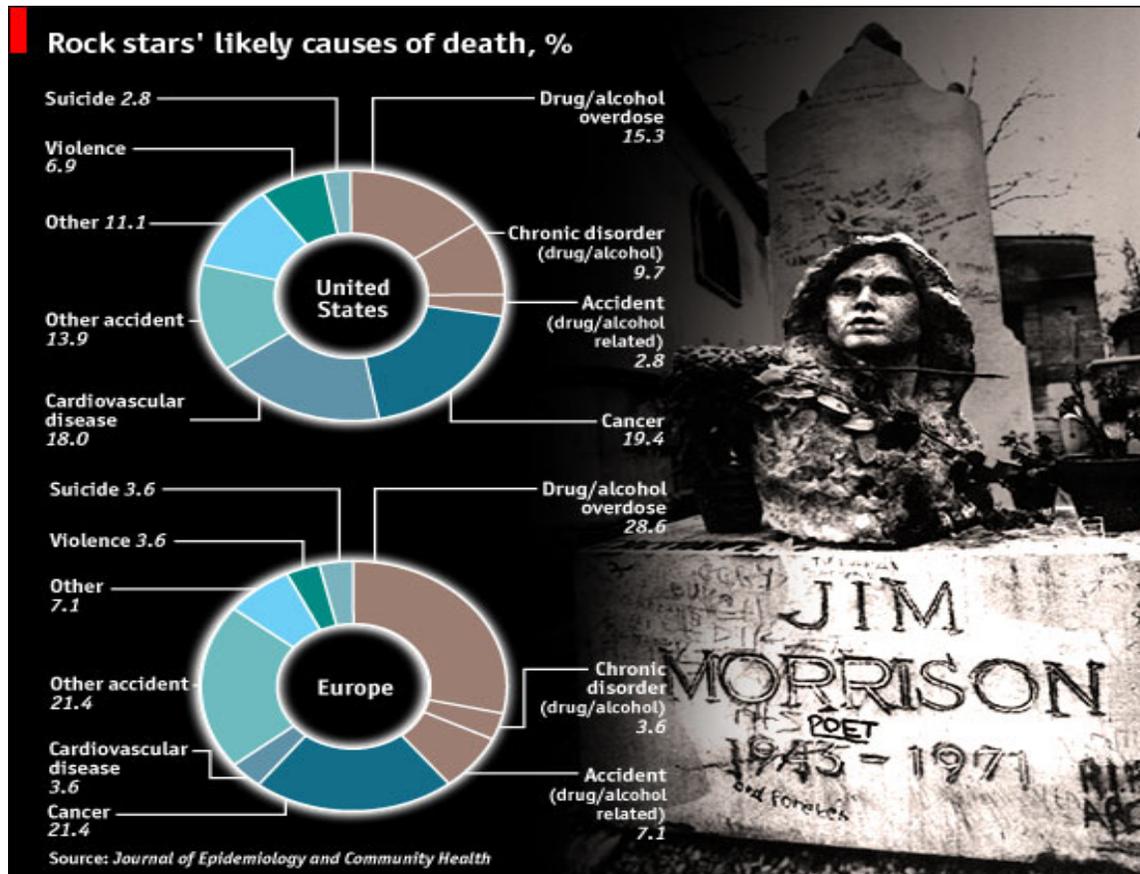
WHAT TERMS CAN I USE TO EXPLAIN THIS GRAPH?

- The percentage of Hispanics in the population of Southern California is ***much far / markedly higher*** than the percentage of African-Americans. (There are many more Hispanics than African-Americans in Southern California.)
- The percentage of Asians & Pacific Islanders in Southern California is ***slightly*** smaller than the percentage of African-Americans.

EXERCISE (Have a tutor help you with this exercise.)

Follow the directions from the previous page about "How to Read a Circle (Pie) Graph."

Use the information from the circle graph below to answer the questions.



Graph from: Economist.com, September 4, 2007.

1. What are the most common causes of death for rock stars in the United States and Europe?
2. What percentage of rock stars in the United States committed suicide? In Europe?
3. What is the most common cause of death for rock stars in the United States? In Europe?
4. Compare the percentage of rock stars in the United States who died of cardiovascular disease with the percentage in Europe. How would you describe the difference?