



In Class Exercises (ICE) - 10/2/00

Figure 1 shows the percentage of U.S. High School seniors who used various forms of drugs from 1975 to 1998.

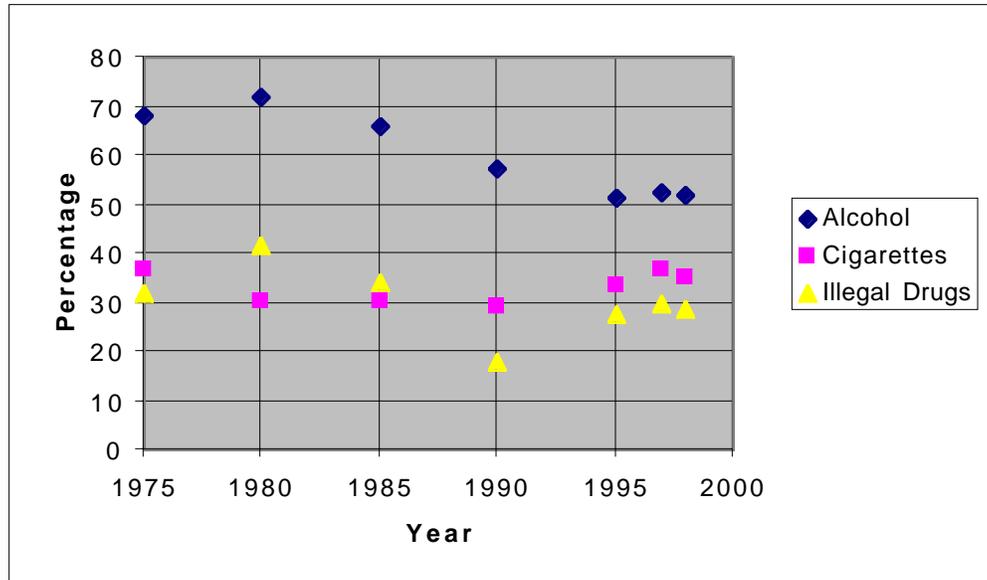


Figure 1: Drug Use by U.S. High School Seniors.

SOURCE: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES, NATIONAL INSTITUTE ON DRUG ABUSE.

- Using Figure 1, describe the trends in drug use among high school seniors during the 1980's.

- **Estimate the percentage of high school seniors who used each of the various drugs in 1975 and 1995. Use your figures to complete the table given below.**

Drug	Percentage in 1975	Percentage in 1995
Alcohol		
Cigarettes		
Illegal Drugs		

- **Which drug (or drugs) showed the greatest decrease in use from 1975 to 1998?**

- **Do you think that the categories of drug use are mutually exclusive? Try to find behavioral reasons why this would not be the case. Figure 1 contains enough information to prove that categories of drug use are not mutually independent.**

- **Complete the table of average rates of change shown below and plot this data on the given axes. What does this plot tell you?**

Substance	1970-75	1975-80	1980-85	1985-90	1990-95
Alcohol					
Cigarettes					
Illegal drugs					

*Average Rate
of Change*

