

AP Statistics - Class Activity

The table at the right shows the number of seniors who graduated from a high school during the latter half of the last century. Data was not available for all of the years, especially those longer ago.

Graduating Classes

Year	Number Graduated
1950	203
1953	211
1957	288
1960	319
1962	381
1965	446
1968	439
1970	521
1972	509
1976	527
1980	476
1984	413
1987	399
1989	362
1992	379
1994	413
1996	437
1998	426
2000	451

1. Make a scatterplot and describe the trends you see in the data.
2. These data do not show the size of the graduating class in 1969. Create an appropriate model and use it to estimate the size of that class. Explain what years you used, and why.
3. If we wanted to project the graduating class sizes through the year 2005, what model would you use? What aspect of these data makes you cautious about your projections?