## Measures of Variability

Input the given data into lists of your graphing calculator. Let
L1 = Texas Education Region Numbers
L2 = Total Students Enrolled in Region 1987-88
L3 = Total Students Enrolled in Region 1997-98

1. Determine the sample variance of the data stored in L3.
2. Determine the sample standard deviation of the data stored in L3. For the given list of data (L3), what is the meaning of this number?
3. Determine the range of the data. What is the meaning of the range for the data stored in L3?
4. Determine the interquartile range of the data. What is the meaning of the interquartile range for the data stored in L3?

## Texas Student Enrollment Trends by Region (1987-88 to 1997-98)



| Enrollment Trends $1987-88$ to 1997-98 |  |  |  |
| :--- | ---: | ---: | ---: |
|  |  | $1987-1988$ | $1997-1998$ |$]$

