

WORKING WITH DATA

**Stem-and-leaf plot 2**

For lots of data

This plot records the number of home runs hit by the top home-run hitter in each league for the years 1921 through 2001. For example, Hack Wilson (Chicago) led the National League in home runs in 1926, hitting 21. His is the lowest value shown. The two highest values, 70 and 73, represent the number of home runs hit by Mark McGwire (St. Louis) in 1998 and Barry Bonds (San Francisco) in 2001. Until 1998, the American League held the record, set by Roger Maris (New York) with 61 home runs in 1961, just barely beating Babe Ruth's (New York) long-held record of 60 home runs, set in 1927. Since data on a stem-and-leaf plot are ordered by value, you can't tell from this plot which value occurred in which year.

**Home-Run Leaders, 1921–2001**

National League	American League
1	2
3 3	• 2 2
7	• 4
9 8 8 8	•
1 1 1 1 0 0	3
3 3	• 2 2 2 2 2 2 2 3 3 3
5 5 4 4	• 4 5
7 7 7 7 6 6 6 6	• 6 6 6 6 7 7 7 7
9 9 9 8 8 8 8	• 9 9 9 9 9
1 1 0 0 0 0 0 0	4 0 0 0 0 1 1 1
3 3 3 3 2 2	• 2 2 2 2 3 3 3 3
5 5 4 4 4 4	• 4 4 4 4 4 5 5
7 7 7 7 7 6 6 6	• 6 6 6 6 6 6 7 7
9 9 9 9 8 8 8 8	• 8 8 8 9 9 9 9 9 9 9
1 1 0	5 0 1
2 2	• 2 2 2
4	• 4
6	• 6 6
	• 8 8 9
	6 0 1
	•
5	•
	•
	•
	0 7
9   3   represents 39 home runs	•
3	•

SOURCE: Home-run data for 1921–93 are from *Exploring Data*, Teacher's Edition, by J. M. Landwehr & A. E. Watkins (Parsippany, NJ: Dale Seymour, 1996), p. 36. Data for 1994–2001 are from MLB.com, The Official Site of Major League Baseball. Retrieved October 8, 2001, from <http://www.mlb.com>