

METHODOLOGY

CONSTRUCTING THE VARIANCE AND STANDARD DEVIATION OF A SAMPLE SET OF DATA




Scenario:

Mark Buehrle, of the Toronto Blue Jays, has had a fairly consistent career. The following table lists the number of wins for each year from 2001 to 2013.

Compute the variance and standard deviation for the number of wins.

Year	Wins	Year	Wins
2001	16	2008	15
2002	19	2009	13
2003	14	2010	13
2004	16	2011	13
2005	16	2012	13
2006	12	2013	12
2007	10		

Step	Make it Work!
1. Describe the data	
2. Visualize	
3. Calculate mean	

Step	 Make it Work!
4. Calculate squared difference	
5. Compute variance 6. Compute standard deviation	
7. Validate	