

Comparing data sets

Listed below are the ratings for the AFC and NFC quarterbacks at the end of the 2007 season. Your job is to compare the quarterbacks from the two conferences. If you had to choose a quarterback from one of the two divisions without knowing the specific player you were getting, which conference would you choose. You must back up your decision with good statistics. Measures of central tendency and spread, in addition to graphs are important in making your decision. Show all your calculations and attach the graphs that you used. Write a paragraph with concrete conclusions to explain your decision.

The data is in the Nspire file that you received. You may hand in your assignment via the paper method or via a sent TI-Nspire file.

AFC Player	Pass Rating	NFC Player	Pass Rating
Tom Brady	117.2	Tony Romo	97.4
Ben Roethlisberger	104.1	Brett Favre	95.7
David Garrard	102.2	Jeff Garcia	94.6
Peyton Manning	98	Matt Hasselbeck	91.4
Jay Cutler	88.1	Donovan McNabb	89.9
Matt Schaub	87.2	Kurt Warner	89.8
Carson Palmer	86.7	Drew Brees	89.4
Chad Pennington	86.1	Jon Kitna	80.9
Sage Rosenfels	84.8	Jason Campbell	77.6
Derek Anderson	82.5	Joey Harrington	77.2
Philip Rivers	82.4	Brian Griese	75.6
Damon Huard	76.8	Eli Manning	73.9
Kyle Boller	75.2	Tarvaris Jackson	70.8
Vince Young	71.1	Marc Bulger	70.3
Cleo Lemon	71	Rex Grossman	66.4
Trent Edwards	70.4		
Brodie Croyle	69.9		
Kellen Clemens	60.9		