Statistics and Probability

Activity 4 Assessment

Comparing Measures of Central Tendency

Comparing Measures of Central Tendency			
Orders numbers from least to greatest 14, 19, 23, 27, 28, 33	Determines the mode and the median for a set of data There is no mode. The median is: (23 + 27) ÷ 2 = 50 ÷ 2 = 25	Determine the mean for the data set 14, 19, 23, 27, 28, 33 The mean is: (14 + 19 + 23 + 27 + 28 + 33) ÷ 6 = 144 ÷ 6 = 24	Suggests and justifies the choice of measure to represent a data set A person spent these amounts for 4 weekly grocery bills: $174, $196, $205, $220 There is no mode. In dollars, the mean is: (174 + 196 +205 + 220) ÷ 4 = 795 ÷ 4 = 198.75 In dollars, the median is: (196 + 205) ÷ 2 = 401÷ 2 = 200.50 Since the mean and median are so close in value, either measure could represent the data.
Observations/Documentation			