MEASURES OF VARIATION-PART 2 Interguartile Range (IQR) = $Q_3 - Q_1$ (Middle 50%) = $Q_4 - Q_1$ (Middle Median = 33 = 16.5 ≈ 17th e = 162 Quartiles: 16 = 8th 9th Nancy's Bowling Scores Q = 144+148 = 146 Q3= 172 IQR= 17a-146=26 20 12 5 = 125 Med 0.72 Hishort value outlier 33 Scores 681 160 140 120 Outliers 1) IQR * 1.5 = # 26 * 1.5 = 39 2) lower boundary: Q,-# 146-39 = 107 - No scores below 3) upper boundary: Q3 + # 172+39 = 211 - One Score a bove

Outlier: 219





