Topic: Histograms and Cumulative Frequency


| 5. Quartiles from <br> Cumulative <br> Frequency <br> Diagram | Lower Quartile (Q1): 25\% of the data is less than the lower quartile. <br> Median (Q2): $\mathbf{5 0 \%}$ of the data is less than the median. <br> Upper Quartile (Q3): 75\% of the data is less than the upper quartile. <br> Interquartile Range (IQR): represents the middle $50 \%$ of the data. |  $I Q R=37-18=19$ |
| :---: | :---: | :---: |
| 6. Hypothesis | A statement that might be true, which can be tested. | Hypothesis: 'Large dogs are better at catching tennis balls than small dogs'. <br> We can test this hypothesis by having hundreds of different sized dogs try to catch tennis balls. |

