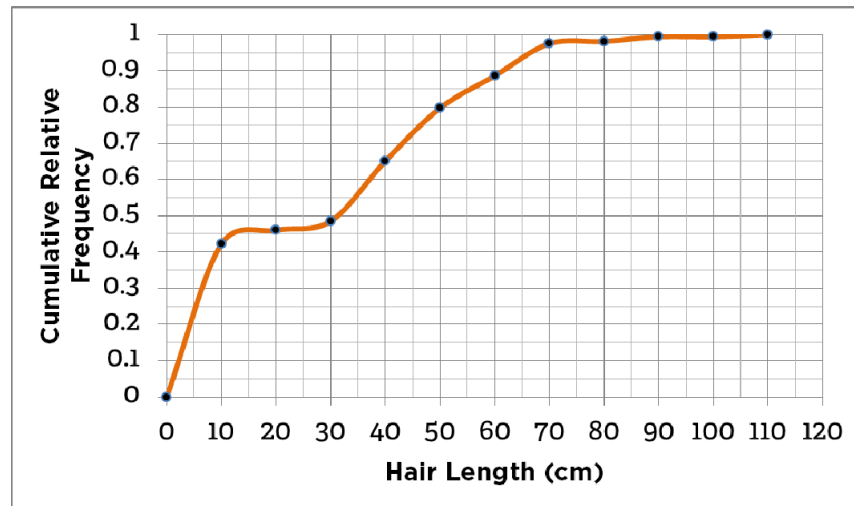


The graph below shows the cumulative relative frequency graph for the hair lengths of all AP Statistics students at Podunk High School:



- a) There is a point at (50 inches, 0.8). Interpret the meaning of this point in context.
- b) True or false: 90% of these students have a hair length of at least 62 cm.
- c) While it may be difficult to tell from this graph, the cumulative relative frequency plot is perfectly flat for the values between 90 and 100 on the horizontal axis. In the context of this question, explain what this means.
- d) From the graph, estimate the median hair length for this group of students.
- e) From the graph, estimate the IQR of hair lengths for this group of students.
Hint: First find the $Q3$ (the 75th percentile) and the $Q1$ (the 25th percentile)...
- f) While it's difficult to tell exactly from this graph, the minimum hair length was 2 cm, and the maximum hair length was 102 cm. Sketch a boxplot for the distribution of hair lengths.