Dr. Mukherjee   Sta 101: Data Analysis and Statistical Inference
Duke University - Department of Statistical Science
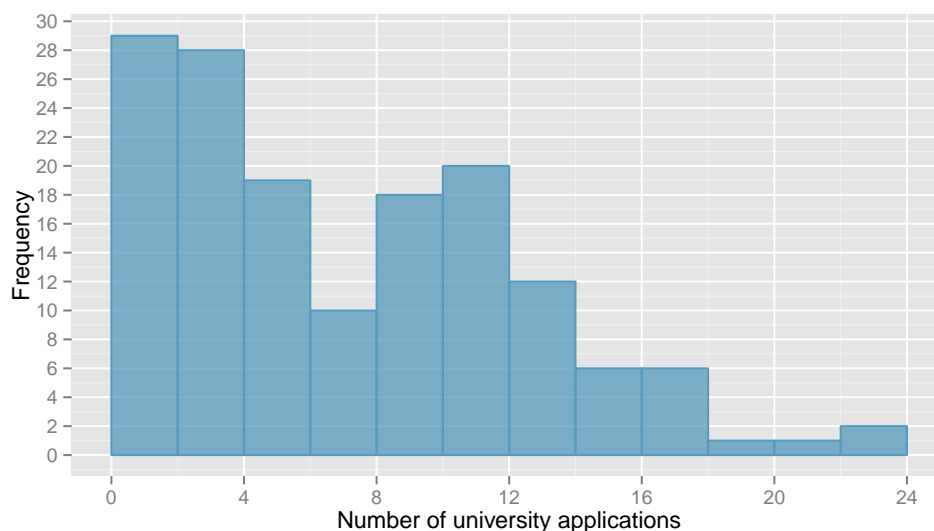
Application exercise 1.2:
Histogram to boxplot

Team name: _____

Lab section: 8:30   10:05   11:45   1:25   3:05   4:40

Write your responses in the spaces provided below. WRITE LEGIBLY and SHOW ALL WORK! Only
one submission per team is required. One team will be randomly selected and their responses will
be discussed and graded. Concise and coherent are best!

The histogram below shows the distribution of number of universities applied to by **152 students** from
Sta 101. All responses were non-negative whole numbers.

Sketch a box plot of this distribution on the scale provided below. Make sure to label your axes and
try as best as you can to sketch to scale. Think about all components that make up the box plot first,
calculate them, and then sketch.