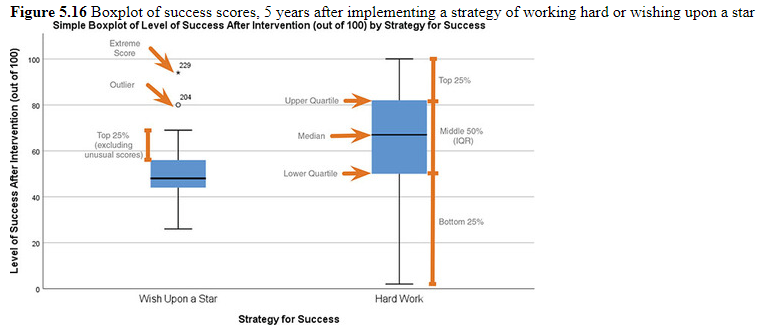
# **Using Chart Builder in SPSS (Boxplots)**

**Task 2A: Using the Jiminy Cricket.sav file** posted in Module 5 Resources **recreate Figure 5.16 Boxplot of success scores, 5 years after implementing a strategy of working hard or wishing upon a star**.Pay special attention to all features (e.g., grid lines; transparent background). Make sure to add your labels (title, x-axis label, y-axis label within SPSS) and to **change the color of your boxplot to PURPLE**. For this boxplot, please also use the “Show Data Label” feature to **display the actual median values for strategies of success**. (*Hint*: Refer to supplemental material on how this is done). **DO NOT include the text written within the graph displayed below (i.e., Top 25%, Upper Quartile, Median, Lower Quartile, etc.)**

***Original Graph from the text***



**PROVIDE YOUR RECREATED GRAPH BELOW IN PURPLE.**

What is the median level of success after 5 years for participants who wished upon a star?

What is the medial level of success after 5 years for participants who worked hard?

What is the minimum and maximum level of success for participants randomly assigned to the differing strategies for success?

**Task 2B: Using the Jiminy Cricket.sav file** posted in Module 5 Resources **create a Boxplot of the pre-intervention success scores**. This boxplot should include all the features used in Task 2A (e.g., grid lines added; background set to transparent). Using the “Show Data Labels” features, **display the median value(s) for strategies of success**. Make sure to update your labels (title, x-axis label, y-axis label within SPSS) and to **change the color of your boxplot to GREEN**.

**PROVIDE YOUR GRAPH BELOW IN GREEN.**

What is the median level of success pre-intervention for participants randomly assigned to “wish upon a star”?

What is the medial level of success pre-intervention for participants randomly assigned to “hard work”?

What is the minimum and maximum level of success for participants randomly assigned to the differing strategies for success?

**Task 2C:** Recall the use of boxplots (*Hint:* Refer to A. Field’s Chapter 5, “Boxplots (box-whisker diagrams);” and supplemental material). Compare and contrast the recreated boxplot in Task 2A and Boxplot in Task 2B.Make sure that your interpretation ties back to what the graphs are intended to represent. For full points, provide a comprehensive response (i.e., this includes interpreting the top and bottom 25% of scores, and so on).