

HOW LONG WILL I WAIT IN LINE?

FOR THE COFFEE CONNOISSEUR

Data compiled from KOZY Coffee in Isla Vista

COMPARING WEEKDAY LINE WAIT TIMES VERSUS WEEKENDS



THIS PROJECT WAS INSPIRED BY THE HARD-WORKING TEAM AT KOZY COFFEE. DATA WAS GATHERED FROM APRIL 17TH TO MAY 27TH, WITH 31 TOTAL OBSERVATIONS ANALYZED IN THE FIGURES BELOW.

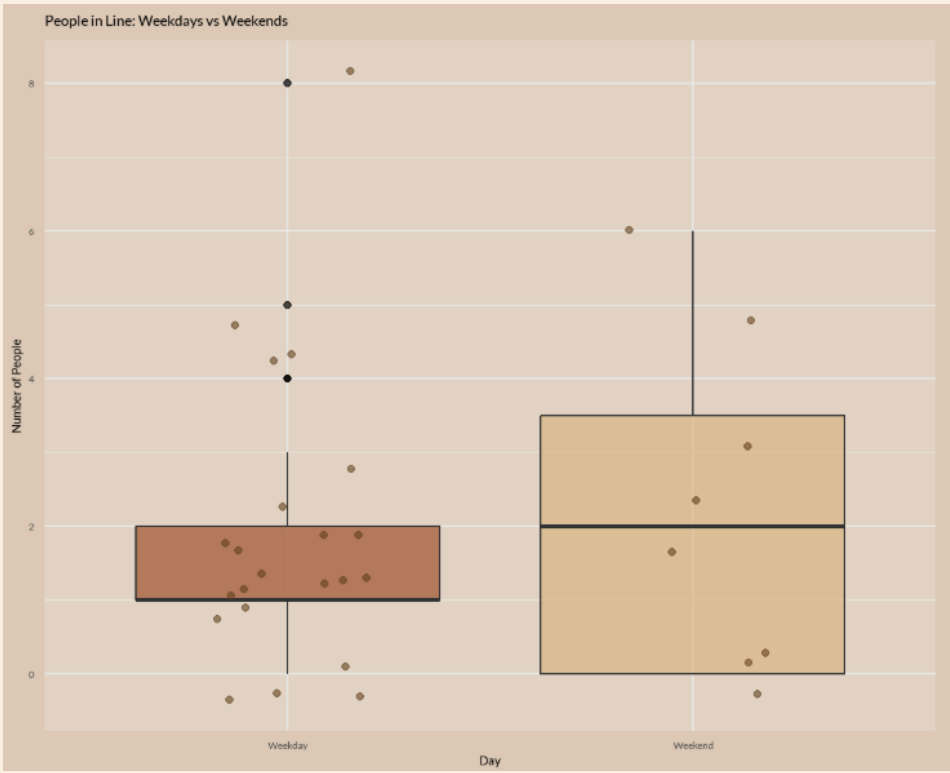


FIGURE 1: PEOPLE IN LINE: WEEKDAYS VS. WEEKENDS
ONE KEY INDICATOR OF HOW LONG YOU MIGHT WAIT IN LINE TO ORDER IS HOW MANY PEOPLE ARE IN LINE AHEAD OF YOU. THESE OBSERVATIONS SHOWN IN THE BOXPLOT CONTAIN THE NUMBER OF PEOPLE AHEAD IN LINE UPON ARRIVAL. THIS FIGURE SHOWS THAT THERE WERE A HIGHER MEDIAN NUMBER OF PEOPLE IN LINE ON WEEKENDS AND A MUCH LARGER RANGE COMPARED TO WEEKDAYS, SUGGESTING WAIT TIMES MAY BE LONGER.

FIGURE 2: RAINCLOUD PLOT OF LINE WAIT DURATION ON WEEKDAYS AND WEEKENDS

THIS RAINCLOUD PLOT REVEALS THAT MOST WAIT TIMES ARE CLUSTERED NEAR ZERO, BUT WEEKDAYS TEND TO HAVE GREATER VARIABILITY AND SLIGHTLY LONGER DURATIONS OVERALL. WHILE SHORT WAITS ARE COMMON ON BOTH DAY TYPES, THIS DATA SUGGESTS WEEKENDS CARRY A HIGHER LIKELIHOOD OF LONGER WAITS IN LINE.

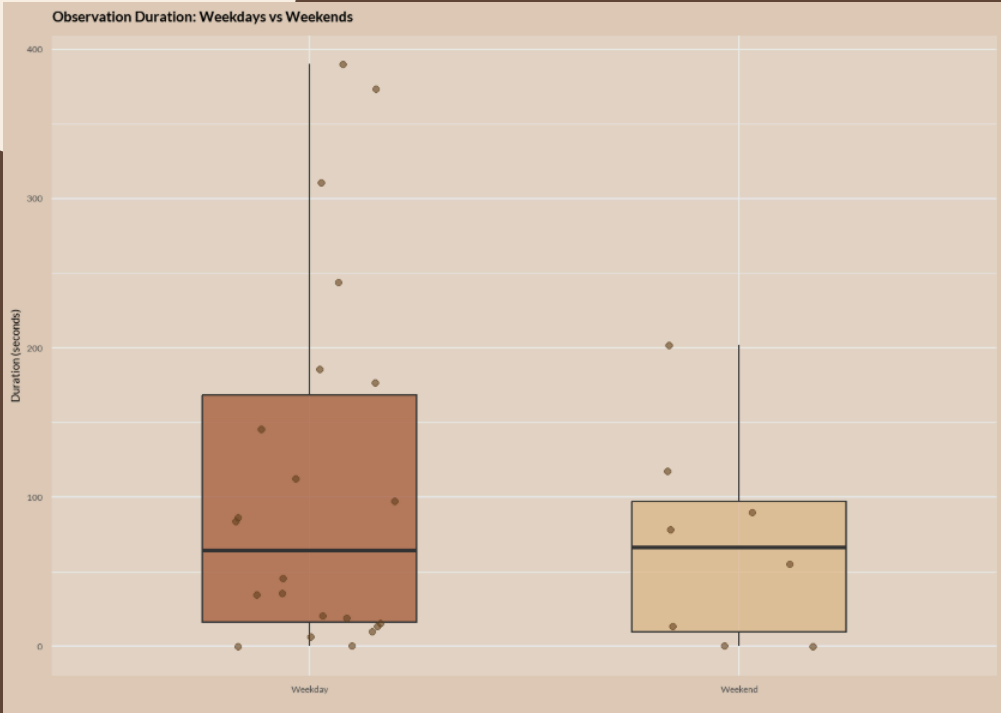
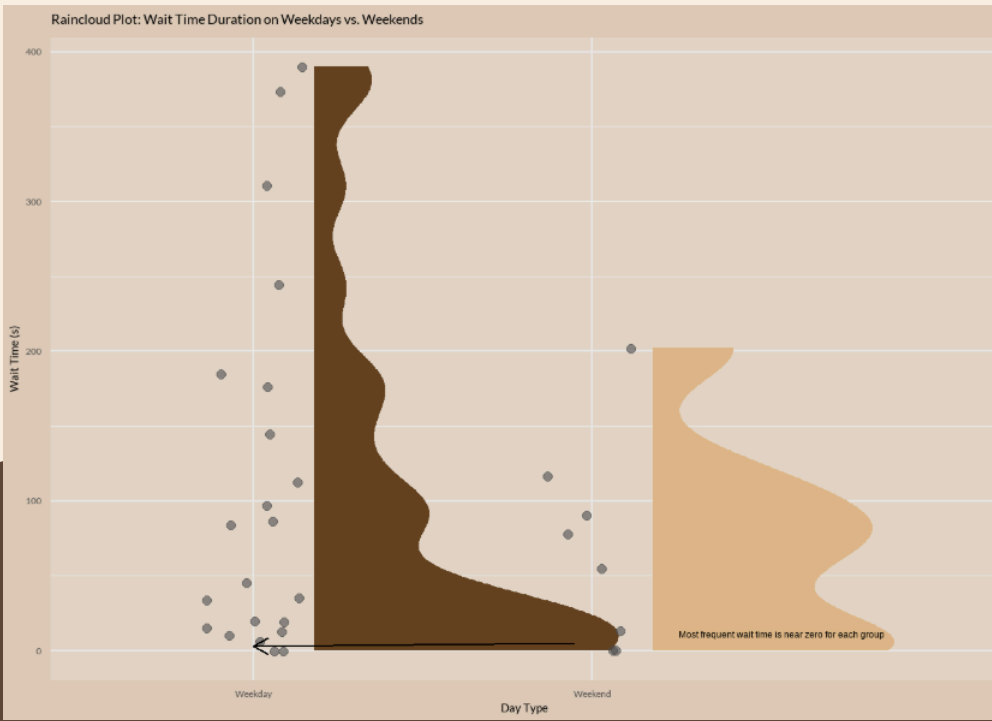


FIGURE 3: OBSERVATION DURATION WEEKDAYS VS. WEEKENDS
THE BOXPLOT INDICATES THAT THE DURATION OF WAITS IN LINE TEND TO BE LONGER ON WEEKDAYS, WITH A MUCH LARGER SPREAD. THIS IS IN CONTRAST TO FIGURE 1, WHICH SHOWS FEWER PEOPLE IN LINE. THIS UNEXPECTED OUTCOME MAY BE DUE TO OUTSIDE FACTORS SUCH AS STAFFING, OR GENERAL PREPAREDNESS FOR INCREASED BUSINESS ON WEEKENDS.

