

Sporting goods manufacturing company wanted to compare the distance travelled by golf balls produced using four different designs. Ten balls were manufactured with each design and were brought to the local golf course for the club professional to test. The order in which the balls were hit with the same club from the first tee was randomized so that the pro did not know which type of ball was being hit. All 40 balls were hit in a short period of time, during which the environmental conditions were essentially the same. The results (distance travelled in yards) for the four Designs are stored in **Golfball.csv**

At the 0.05 level of significance, is there evidence of a difference in the mean distances travelled by the golf balls with different designs?