Analysis of Variance (ANOVA)

CREDIT: The question on this document was written by Erik Packard, PhD, Associate Professor of Mathematics at Colorado Mesa University.

- Problem 4

    o Can we prove at the 5% significance level that there is any difference between the average weights of a tennis ball from four different manufacturers (A, B, C, and D)? Assume the data came from SRS's of normal populations with equal variances.

Brand:	A	B	C	D
Tennis Ball Weights (oz)	57.0, 57.2, 57.2, 57.2, 57.3, 57.3, 57.4	56.8, 56.6, 56.6, 56.7, 57.1, 57.0	57.3, 57.6, 57.5, 57.7, 57.7	57.0, 57.1, 57.4, 57.2, 57.2