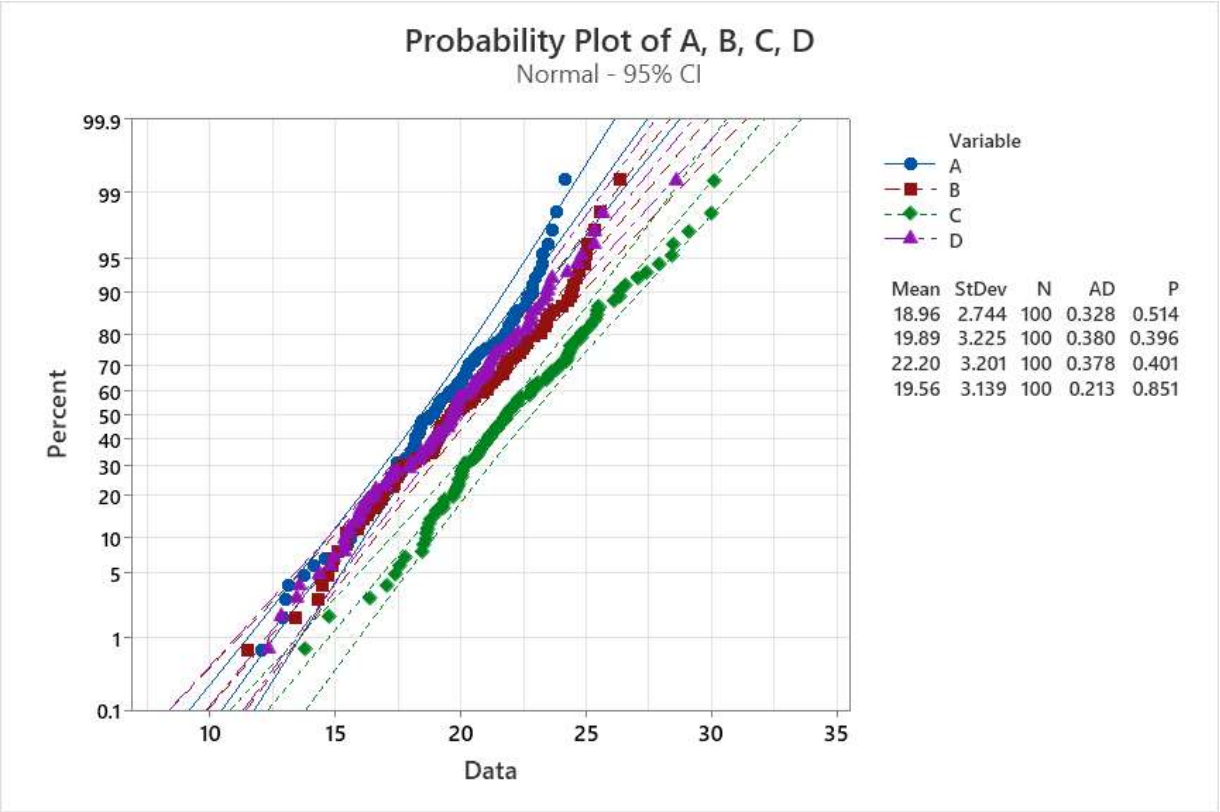
Report



Method

Null hypothesis	All variances are equal
Alternative hypothesis	At least one variance is different
Significance level	α = 0.05

95% Bonferroni Confidence Intervals for Standard Deviations

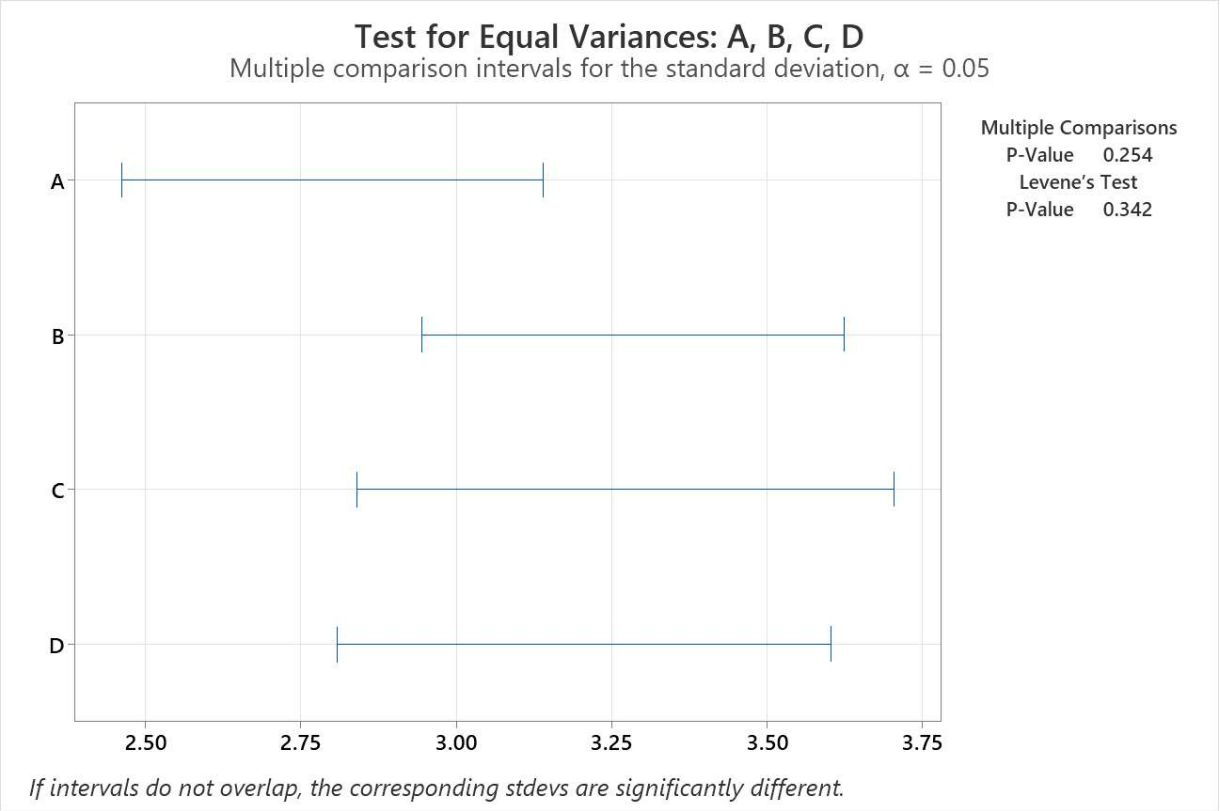
Sample	N	StDev	CI
A	100	2.74350	(2.35761, 3.27434)
B	100	3.22464	(2.81438, 3.78936)
C	100	3.20132	(2.69650, 3.89800)
D	100	3.13931	(2.66707, 3.78983)

Individual confidence level = 98.75%

Tests

Method	Test Statistic	P-Value

Multiple comparisons	—	0.254
Levene	1.12	0.342



Method

Null hypothesis	All means are equal
Alternative hypothesis	Not all means are equal
Significance level	α = 0.05

Equal variances were assumed for the analysis.

Factor Information

Factor	Levels	Values
Factor	4	A, B, C, D

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Factor	3	605.2	201.729	21.22	0.000
Error	396	3764.9	9.507		
Total	399	4370.0			

Model Summary

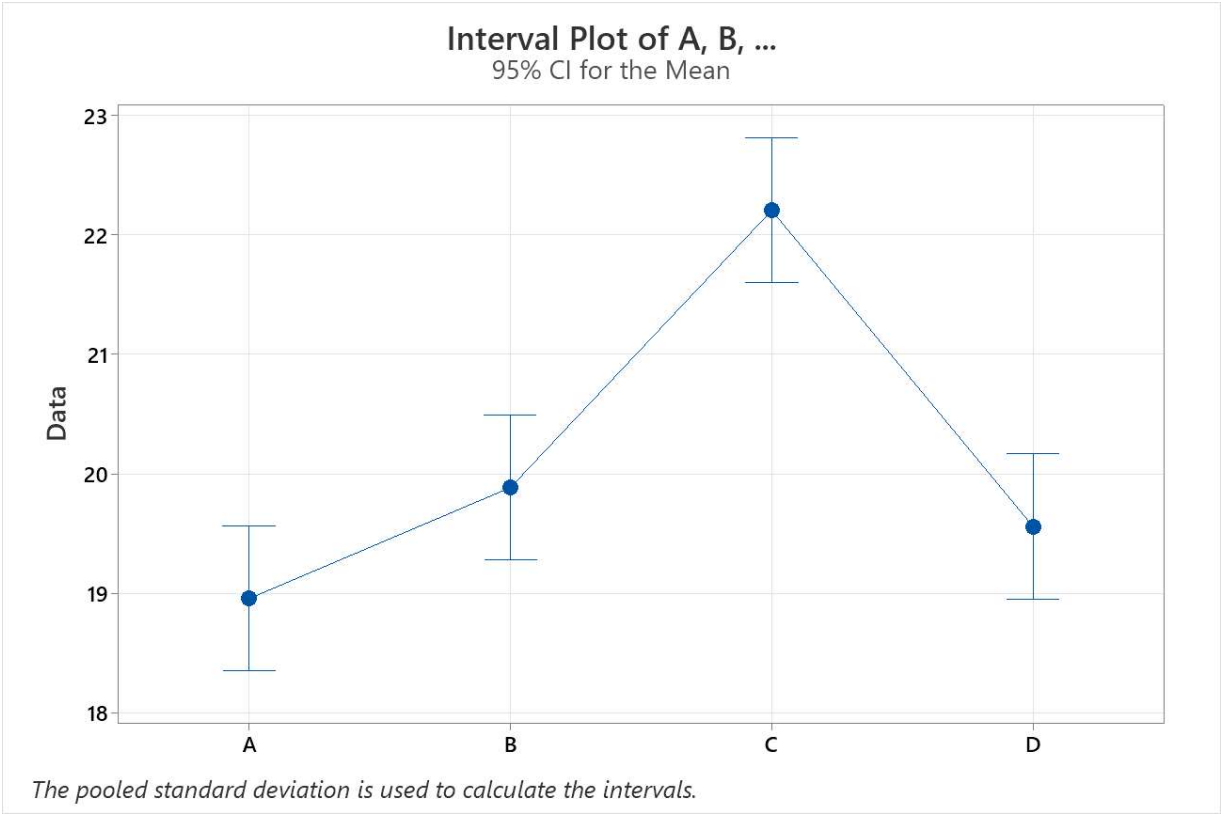
S	R-sq	R-sq(adj)	R-sq(pred)
3.08338	13.85%	13.20%	12.10%

Means

Factor	N	Mean	StDev	95% CI

A	100	18.958	2.744	(18.352, 19.564)
B	100	19.886	3.225	(19.280, 20.492)
C	100	22.203	3.201	(21.597, 22.809)
D	100	19.561	3.139	(18.954, 20.167)

Pooled StDev = 3.08338



The pooled standard deviation is used to calculate the intervals.