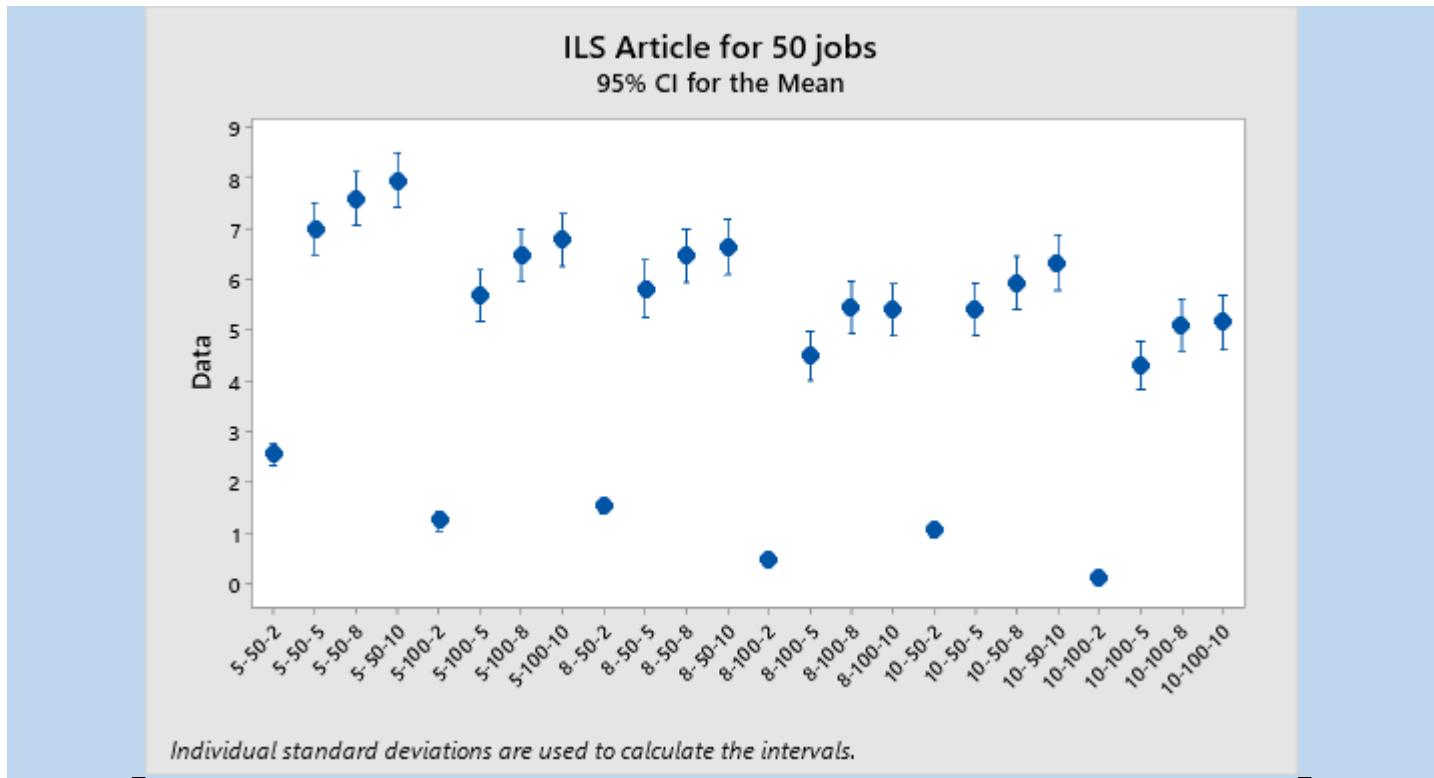
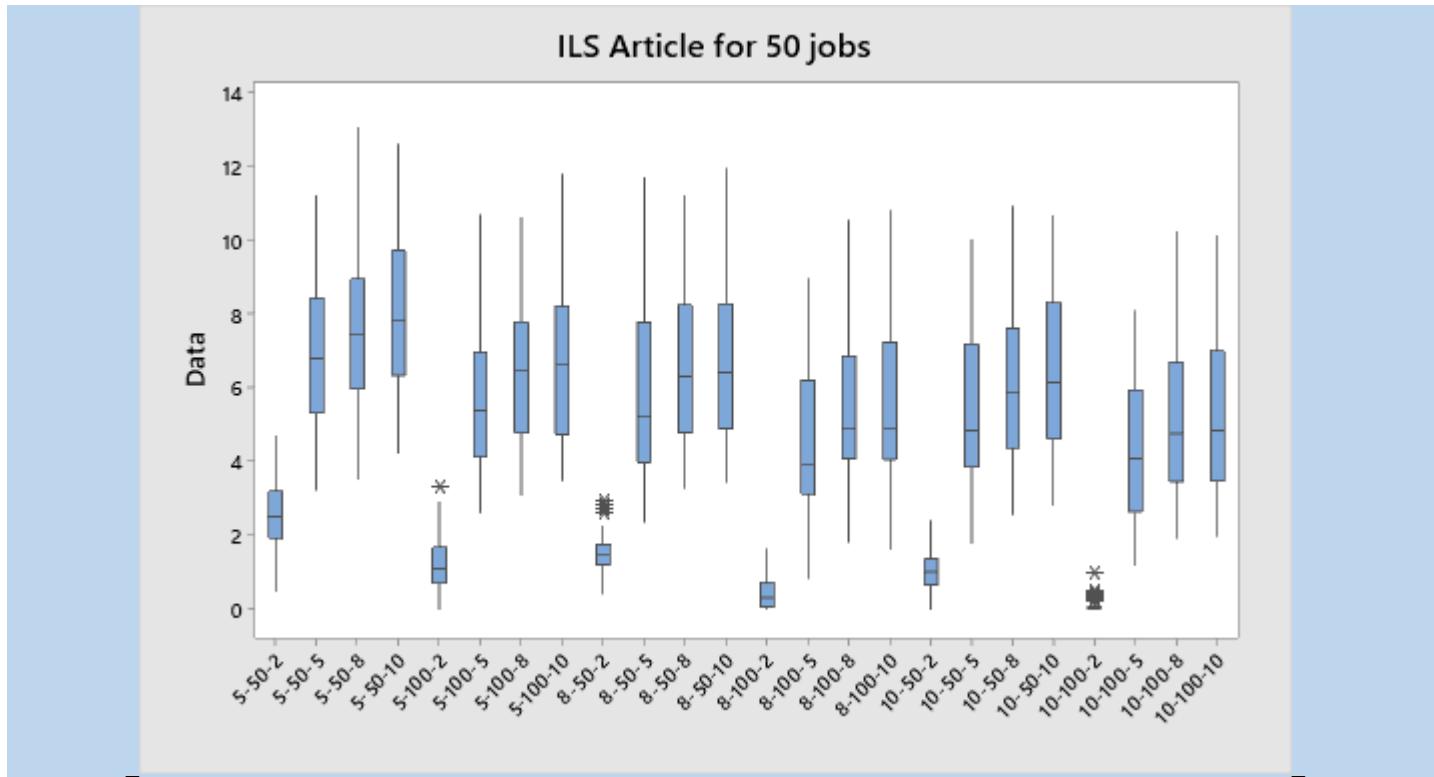
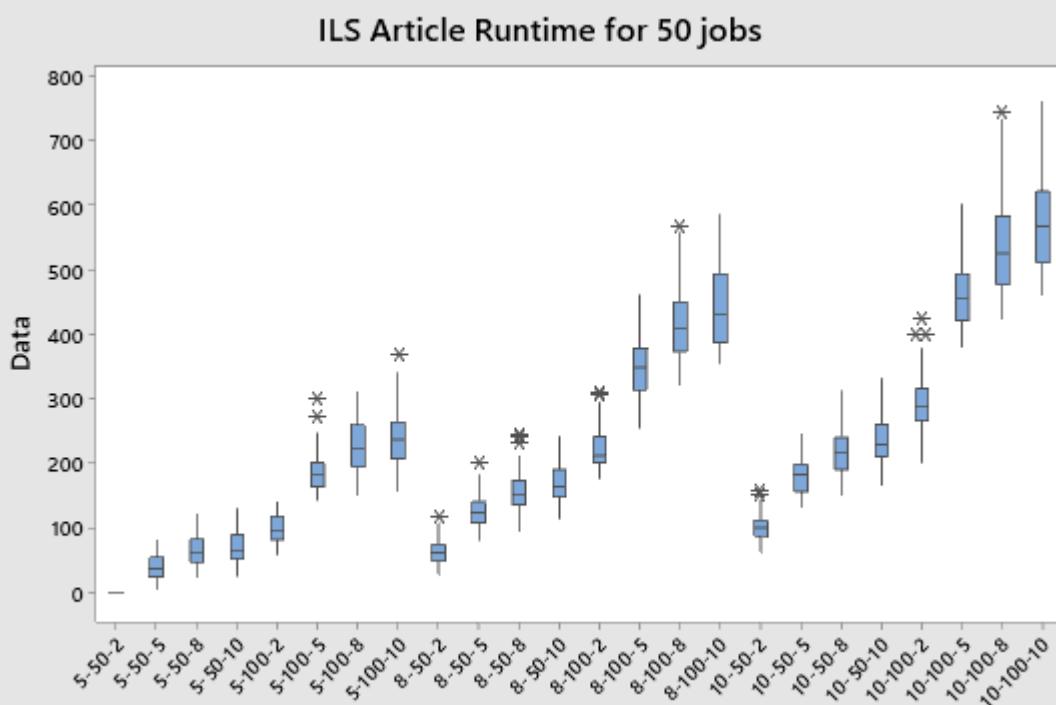


ILS-RVND with Custom Route Enhancement

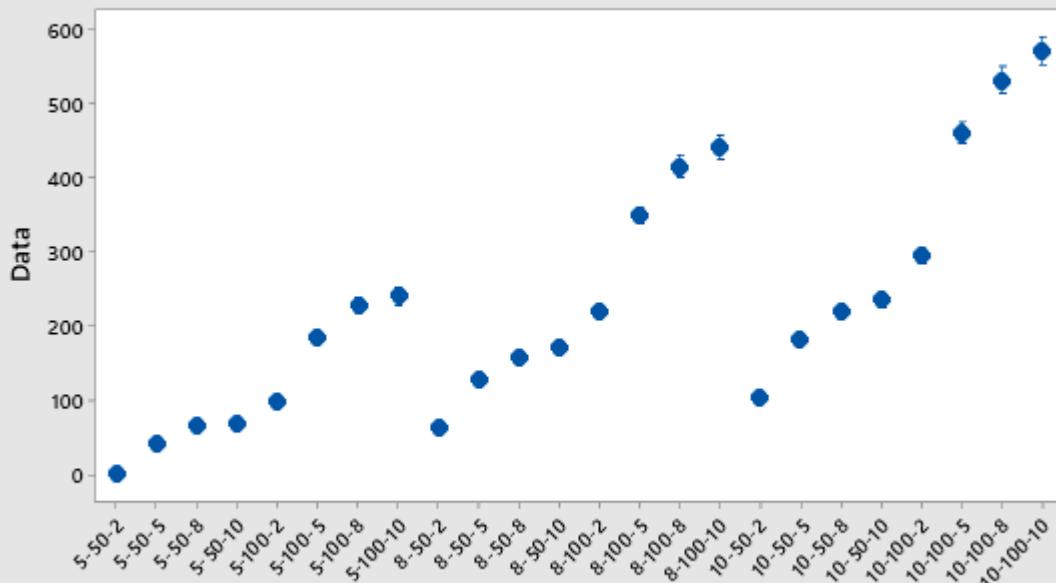
50 jobs OBJ FUNCTION



50 jobs TIME

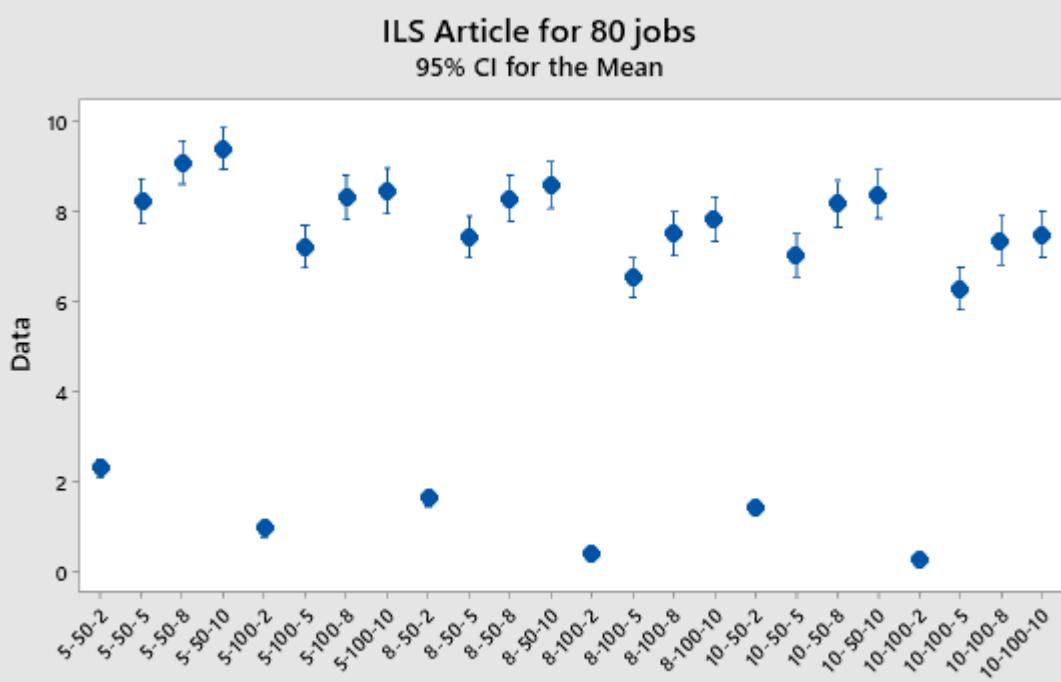
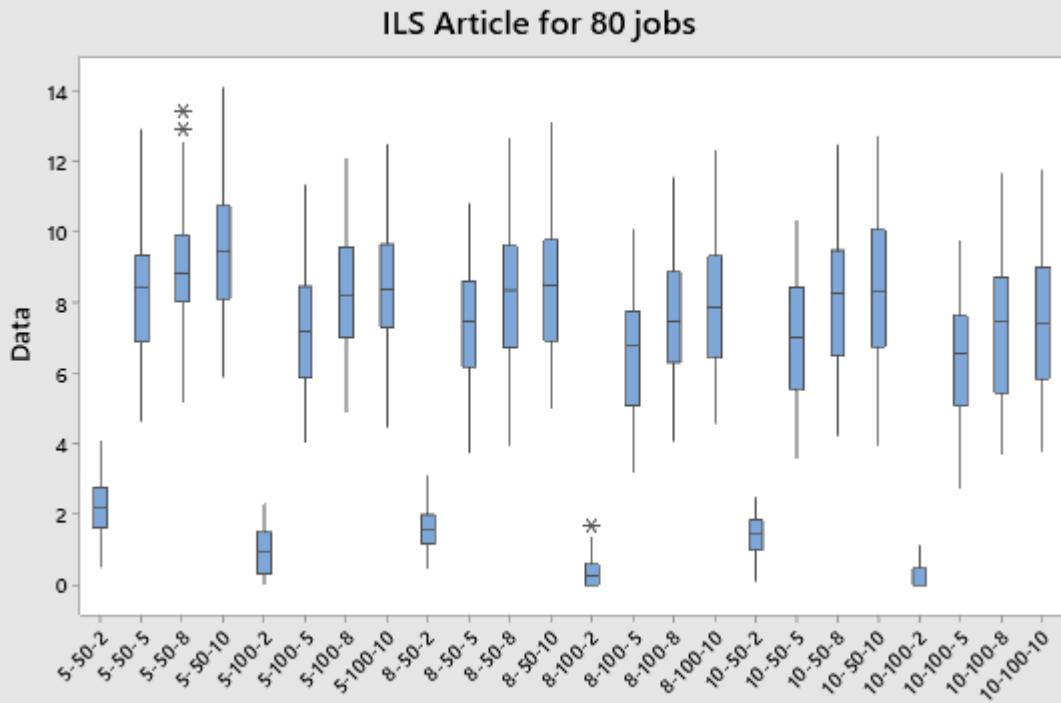


ILS Article Runtime for 50 jobs
95% CI for the Mean



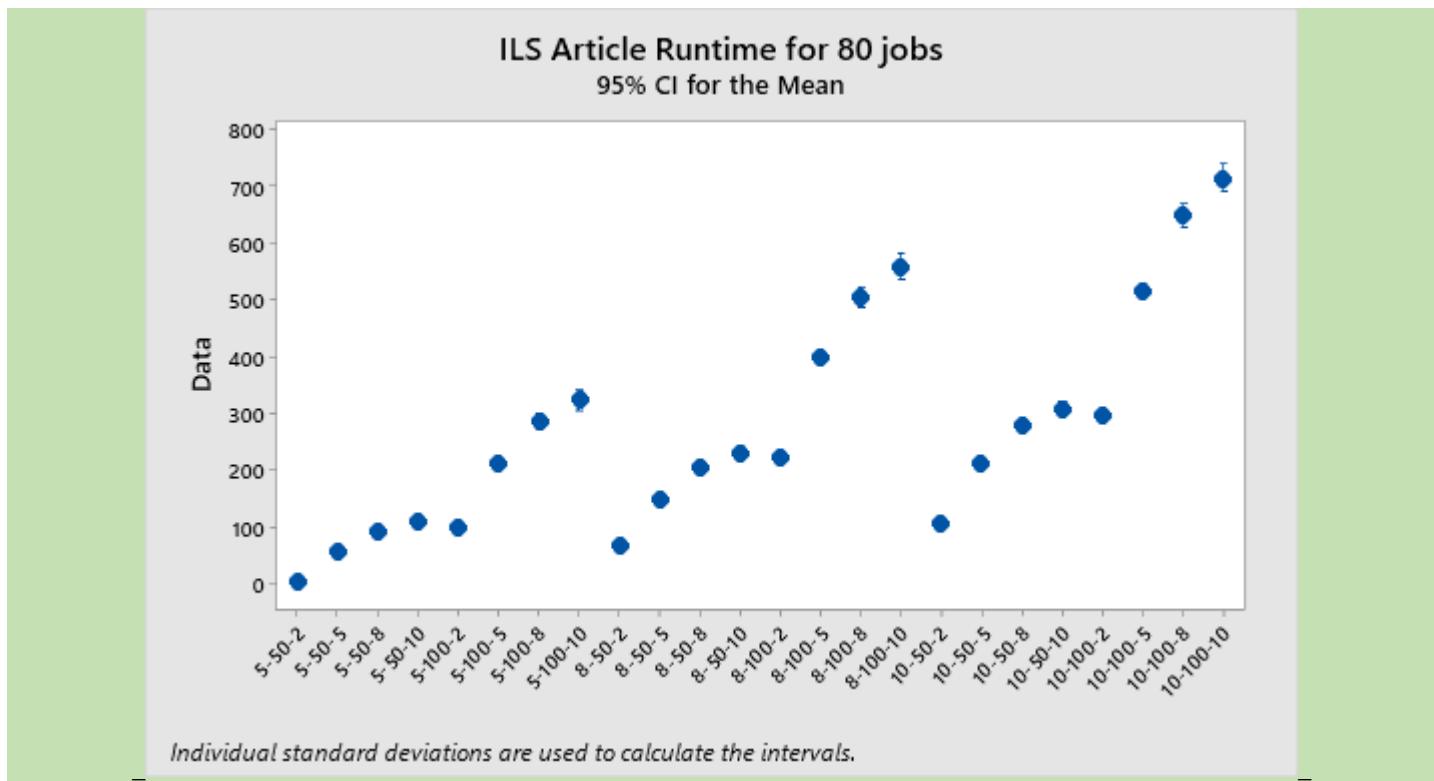
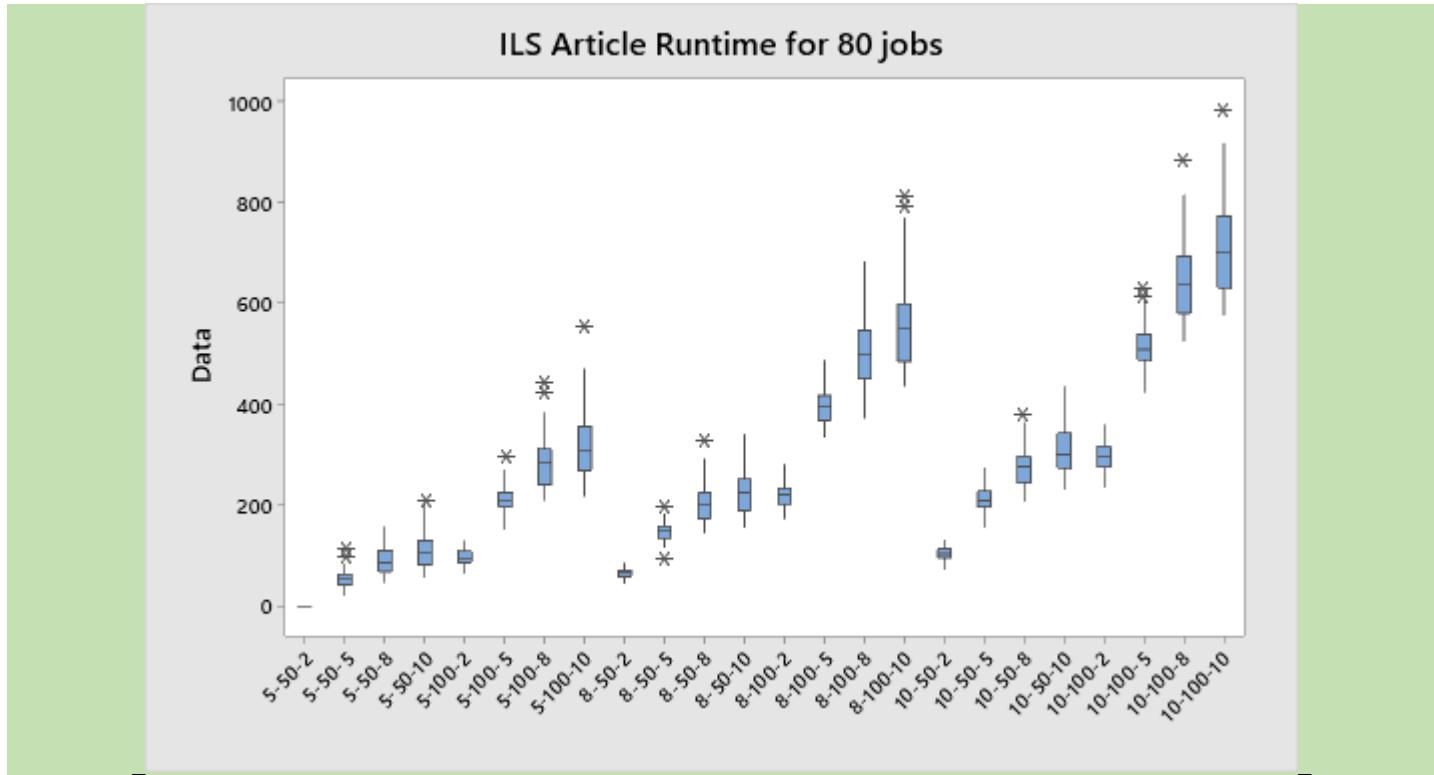
Individual standard deviations are used to calculate the intervals.

80 jobs OBJ FUNCTION



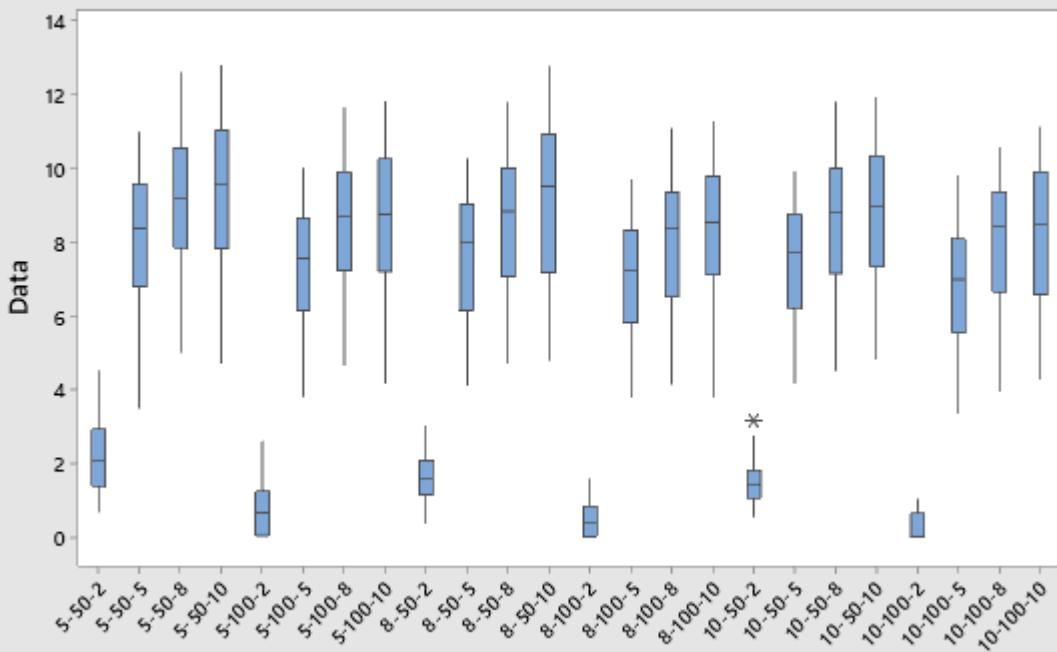
Individual standard deviations are used to calculate the intervals.

80 jobs TIME

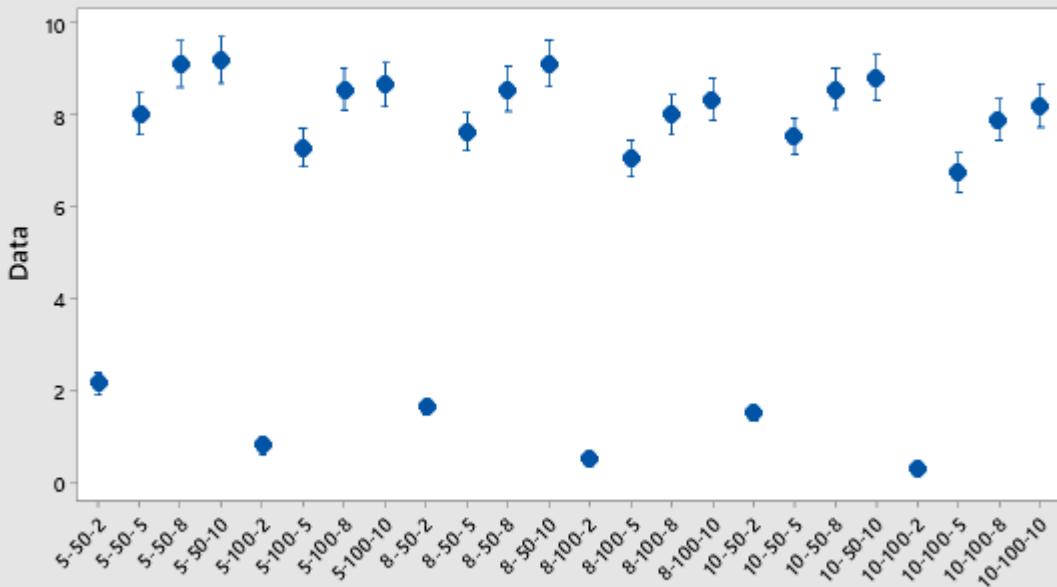


100 jobs OBJ FUNCTION

ILS Article for 100 jobs



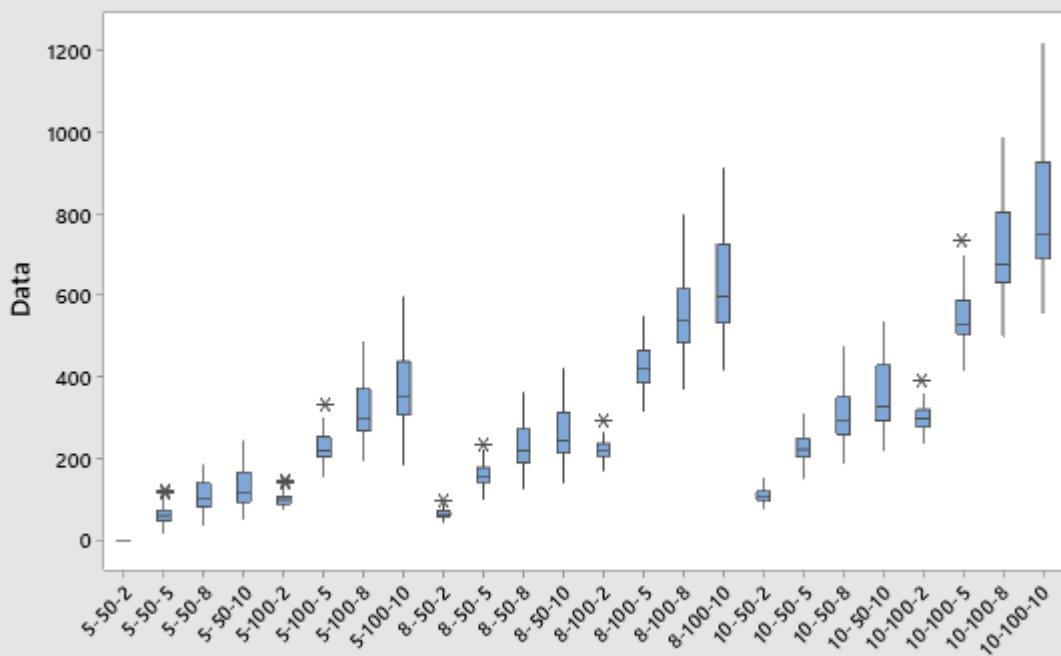
ILS Article for 100 jobs
95% CI for the Mean



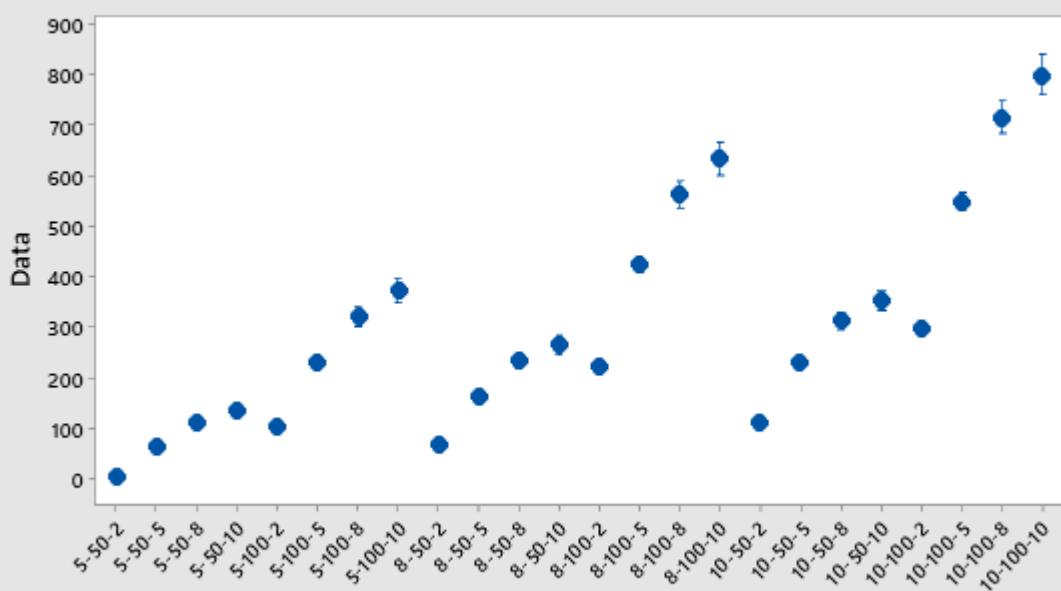
Individual standard deviations are used to calculate the intervals.

100 jobs TIME

ILS Article Runtime for 100 jobs



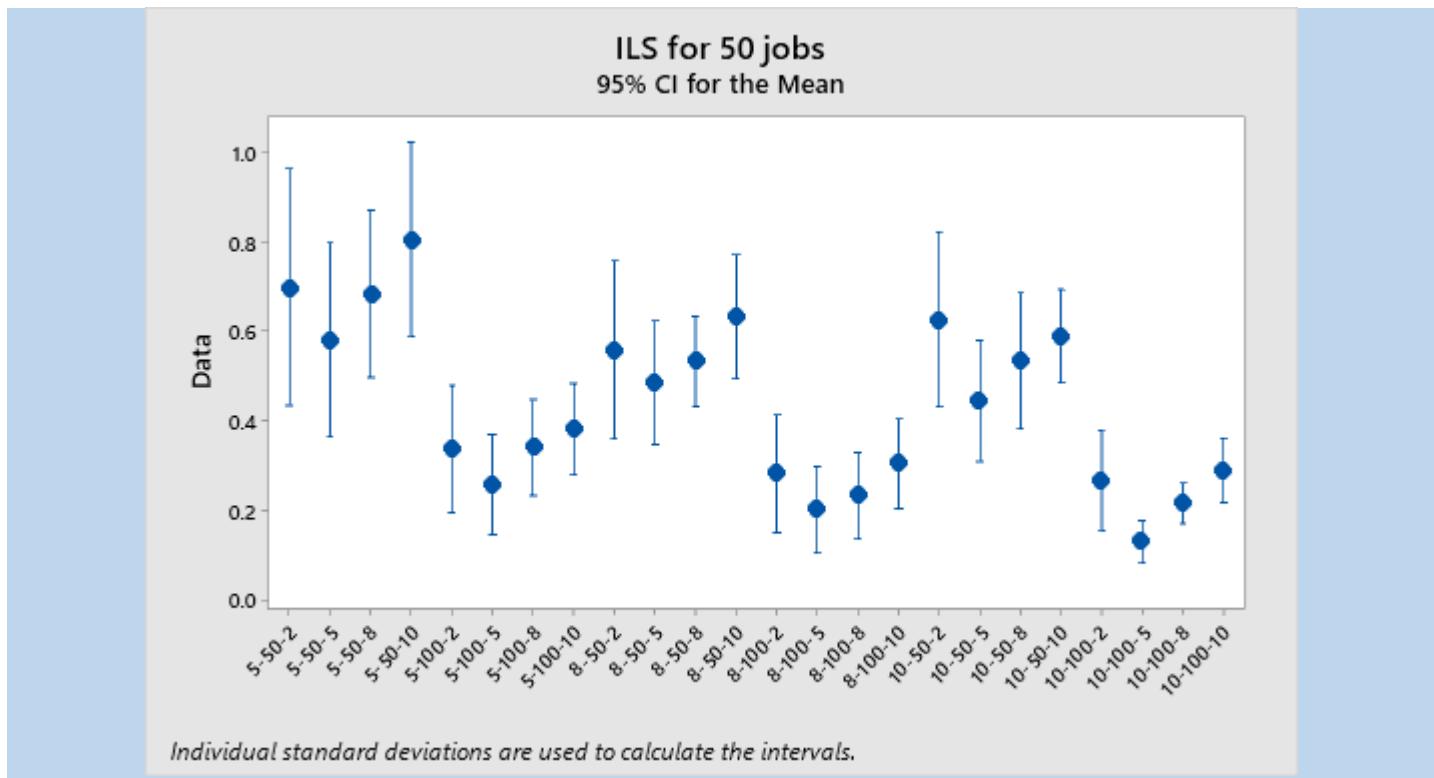
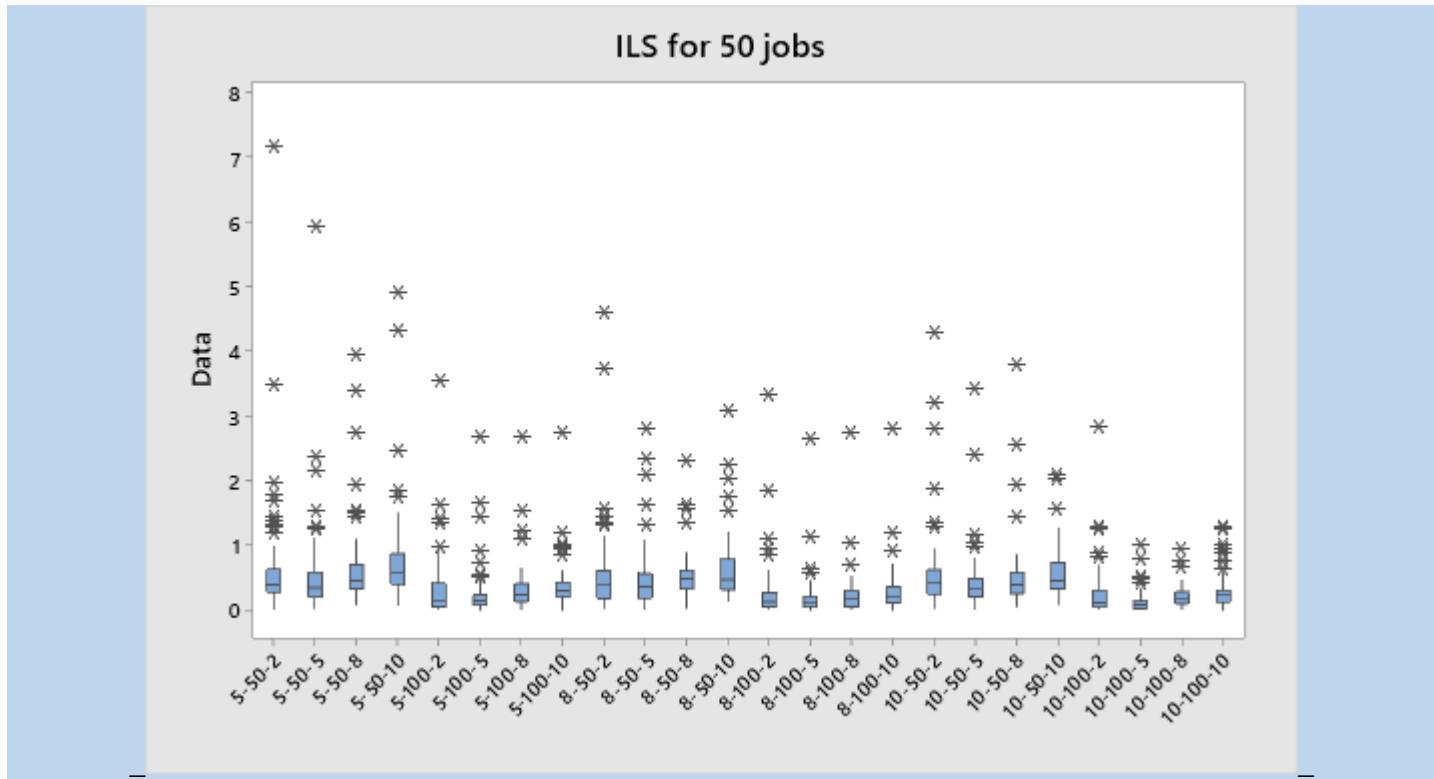
ILS Article Runtime for 100 jobs
95% CI for the Mean



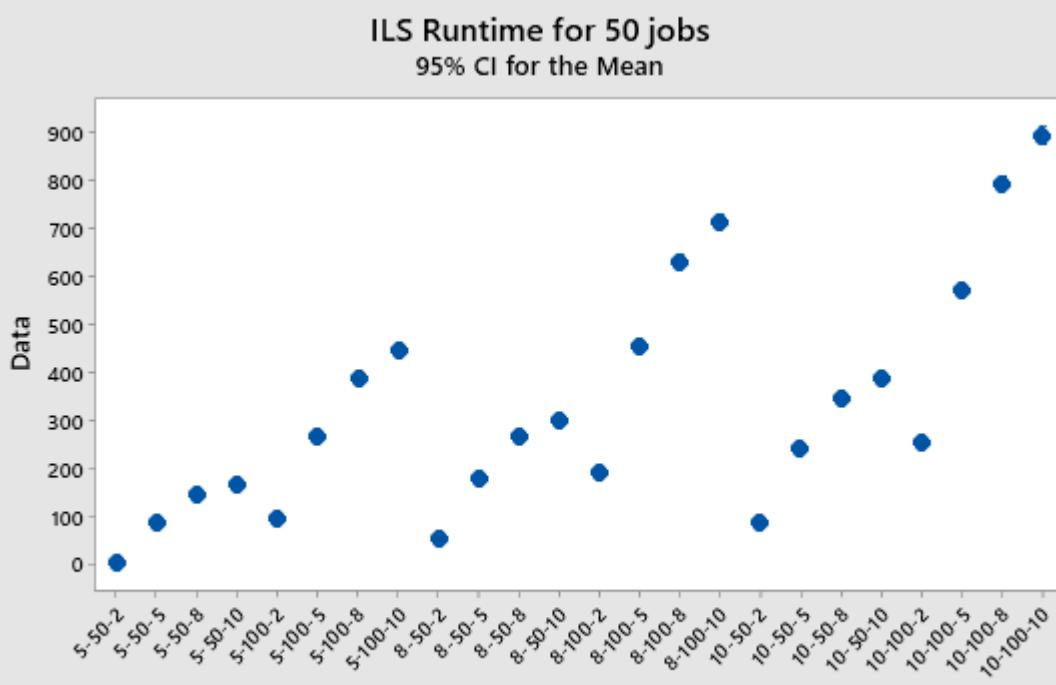
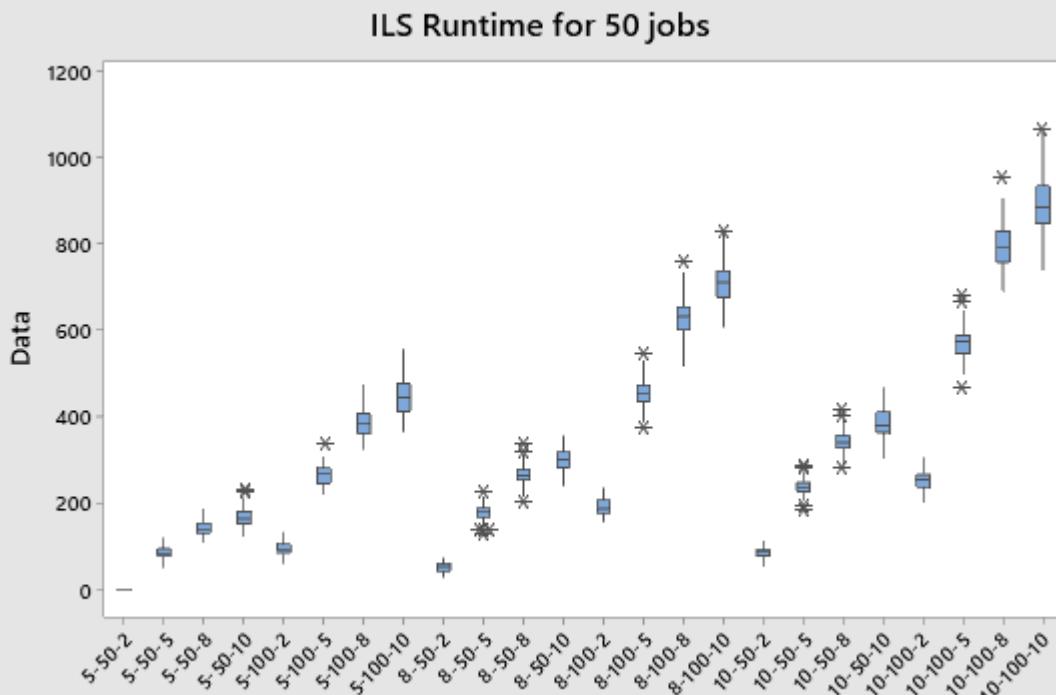
Individual standard deviations are used to calculate the intervals.

ILS-RVND

50 jobs OBJ FUNCTION

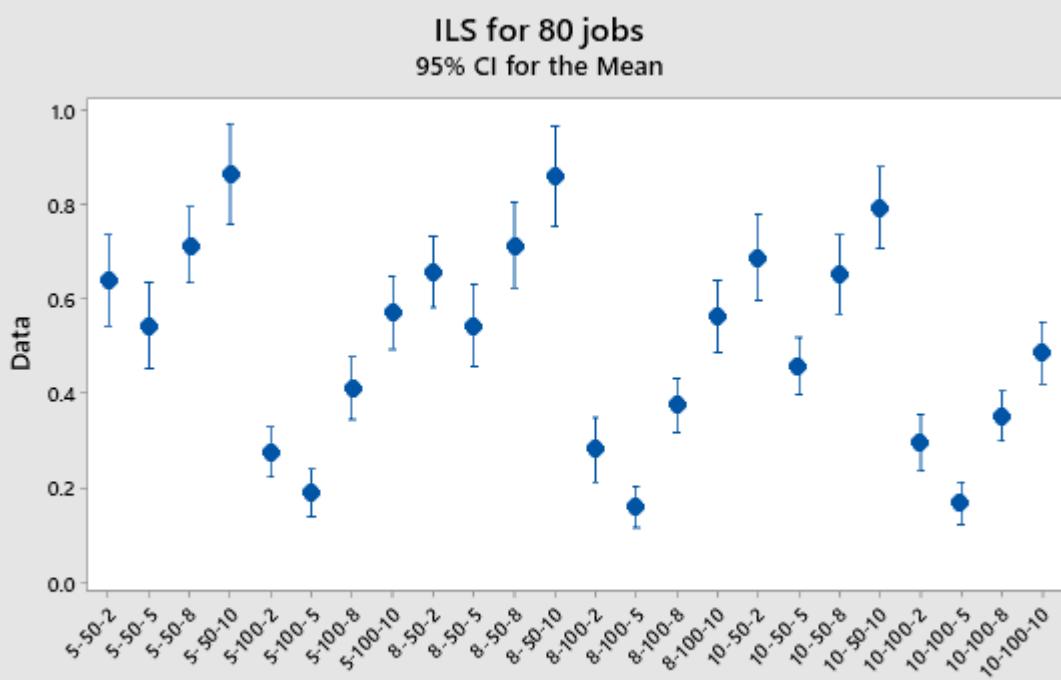
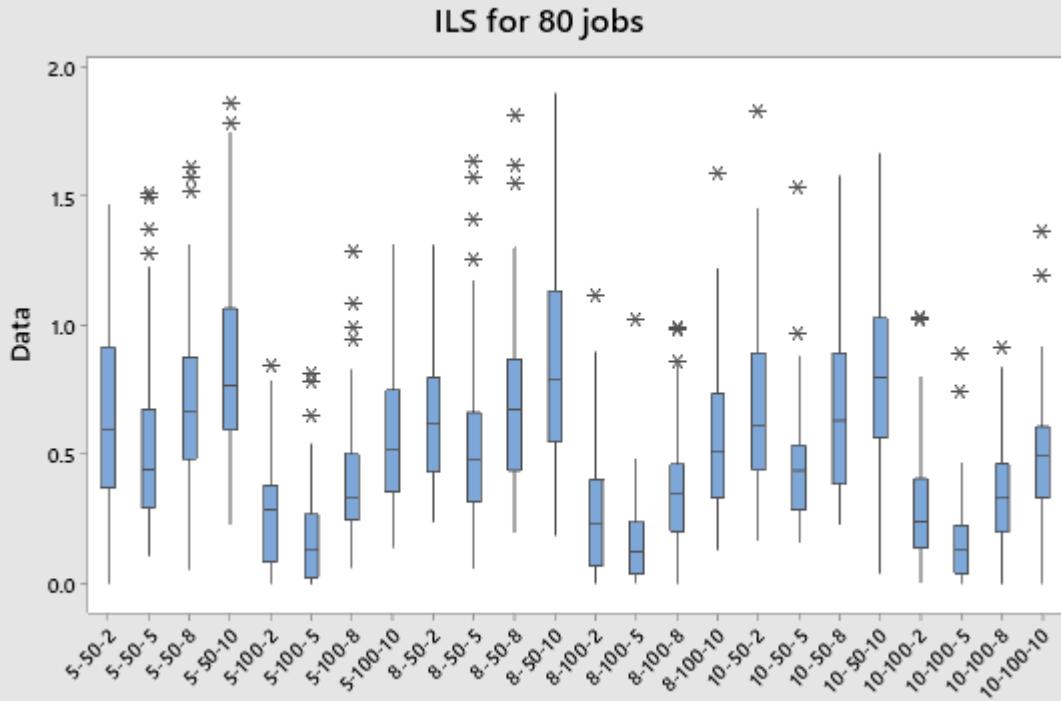


50 jobs TIME



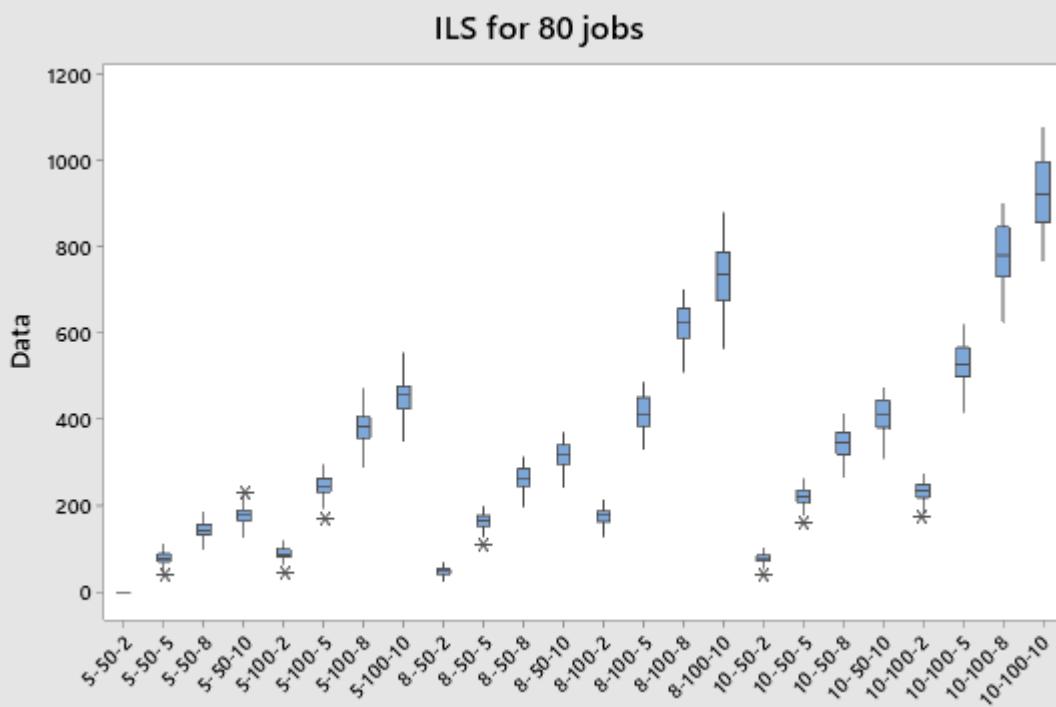
Individual standard deviations are used to calculate the intervals.

80 jobs OBJ FUNCTION

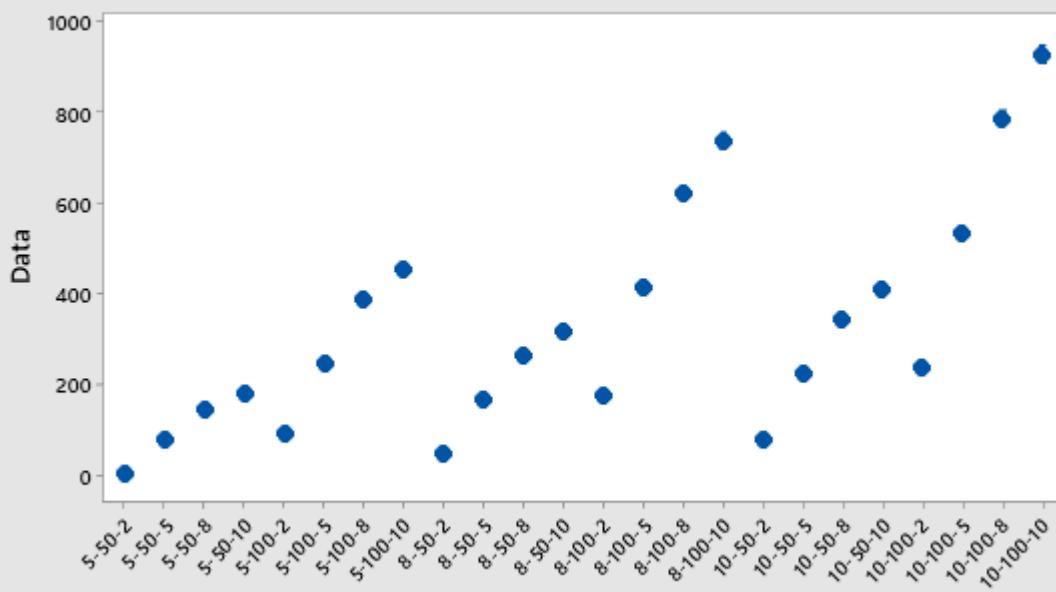


Individual standard deviations are used to calculate the intervals.

80 jobs TIME

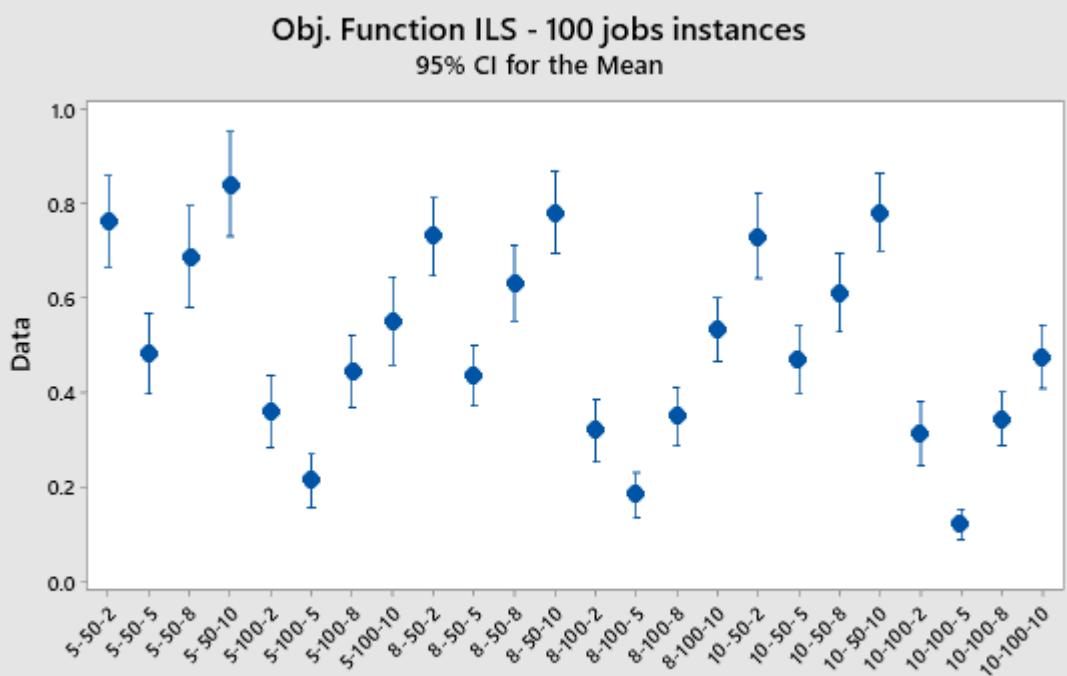
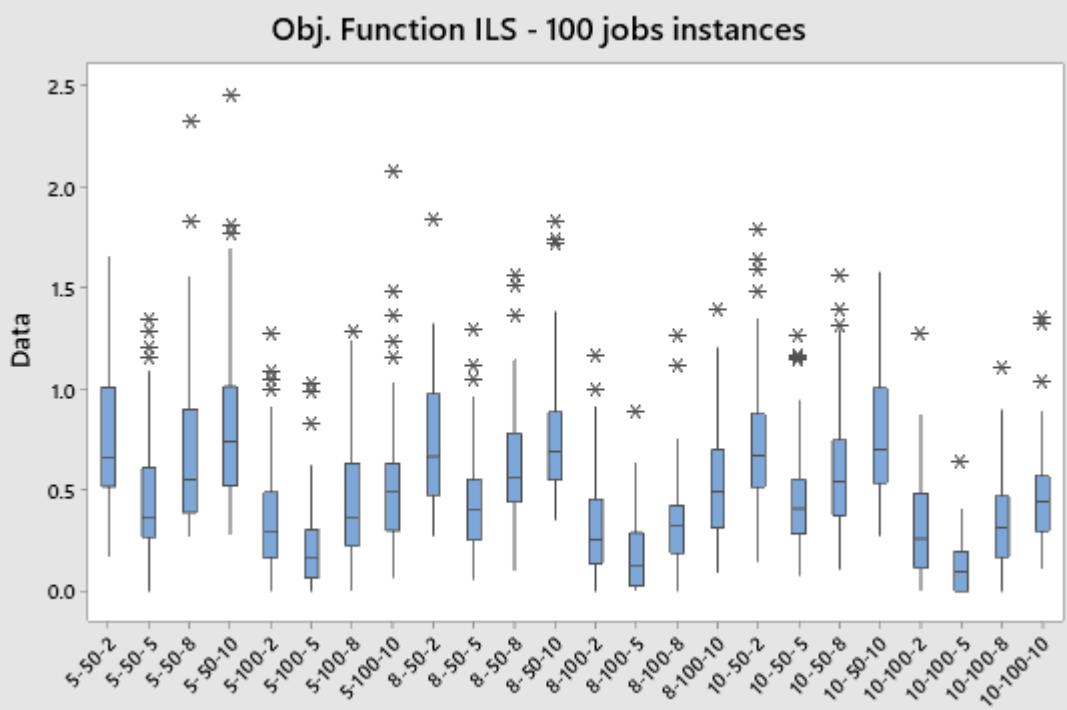


ILS for 80 jobs 95% CI for the Mean



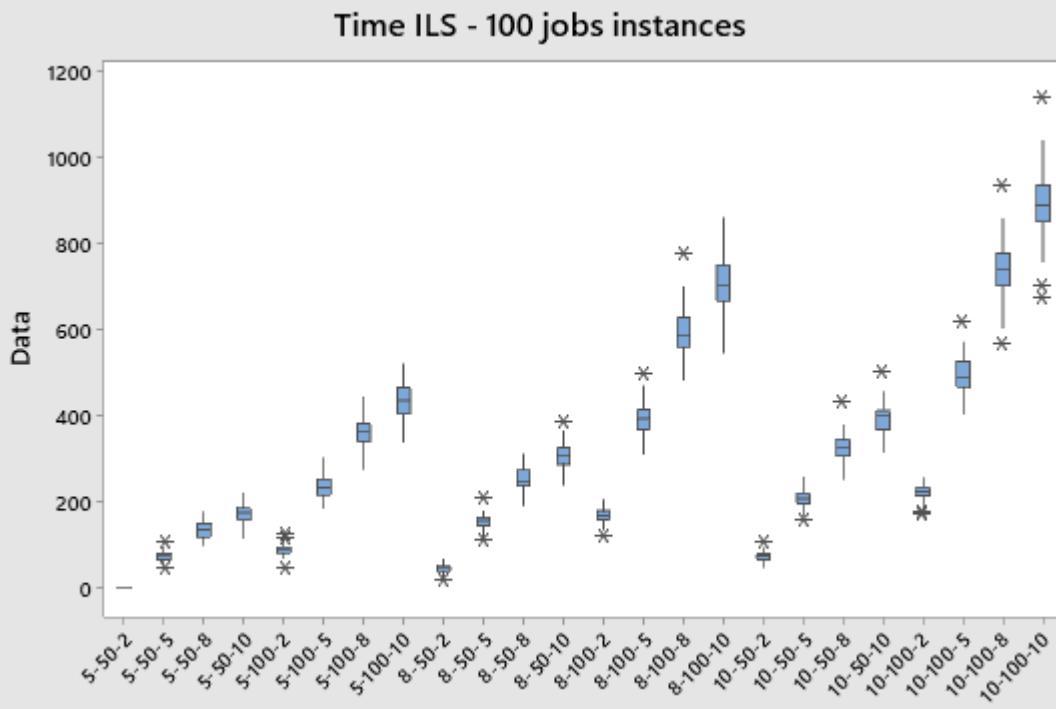
Individual standard deviations are used to calculate the intervals.

100 jobs OBJ FUNCTION

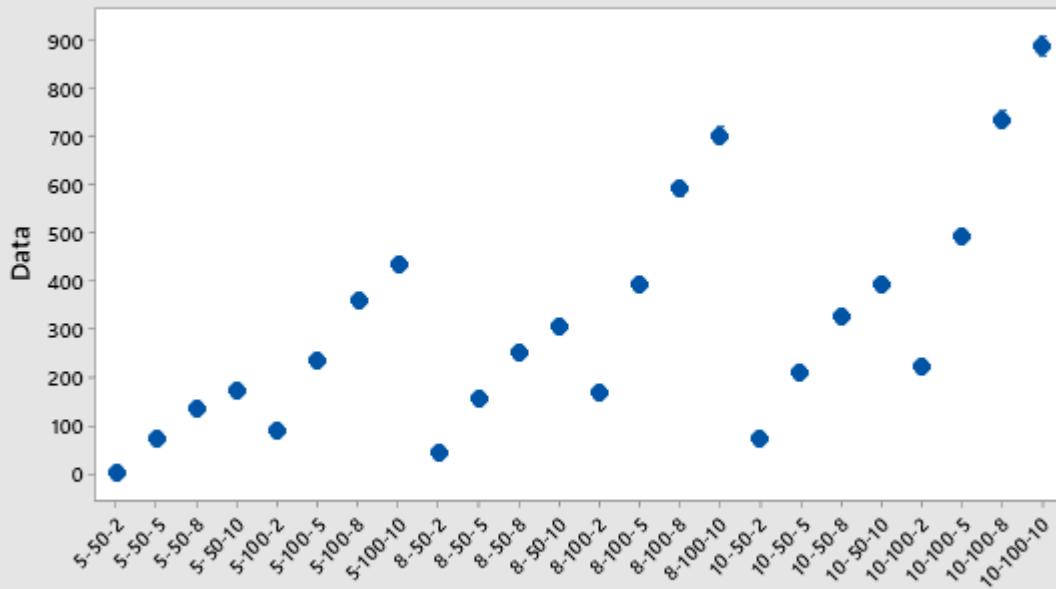


Individual standard deviations are used to calculate the intervals.

100 jobs TIME



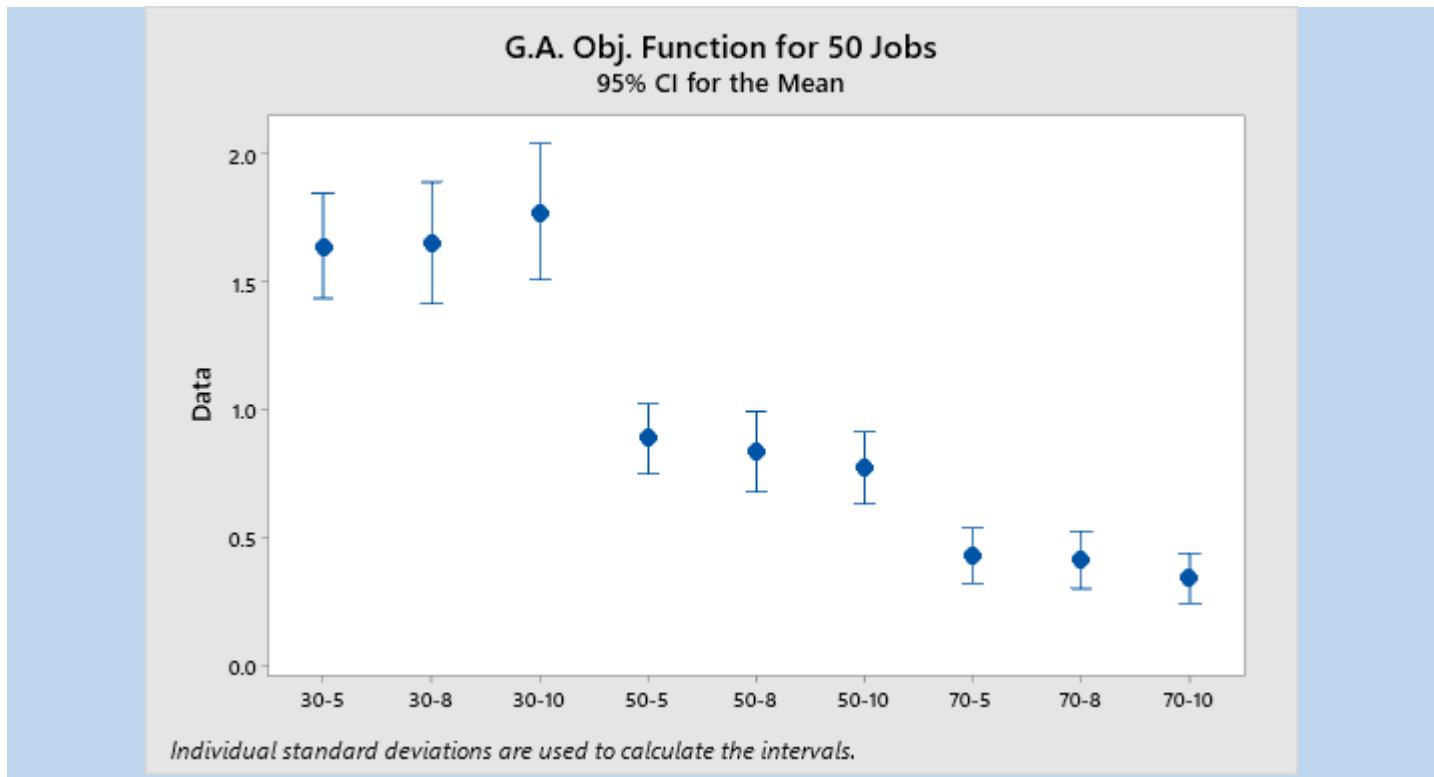
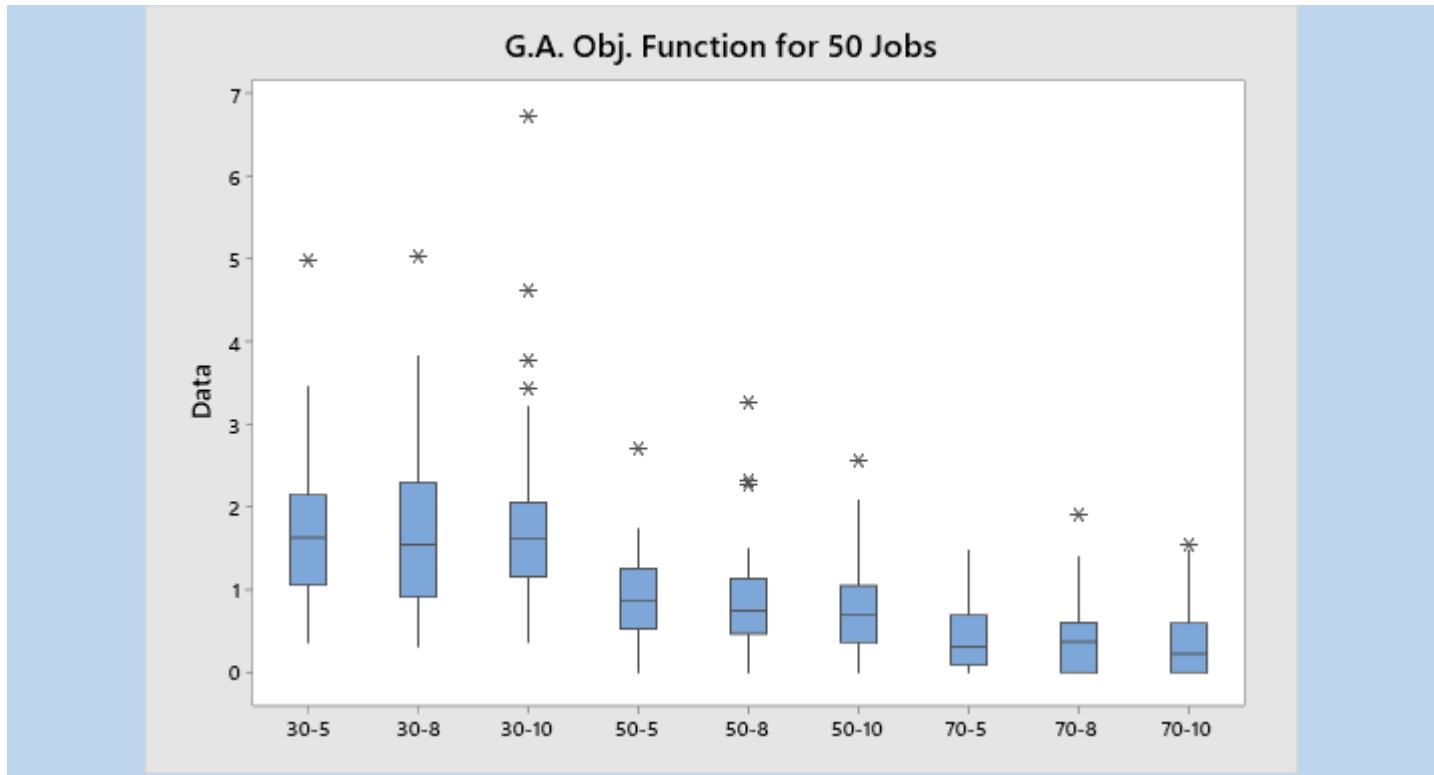
Time ILS - 100 jobs instances



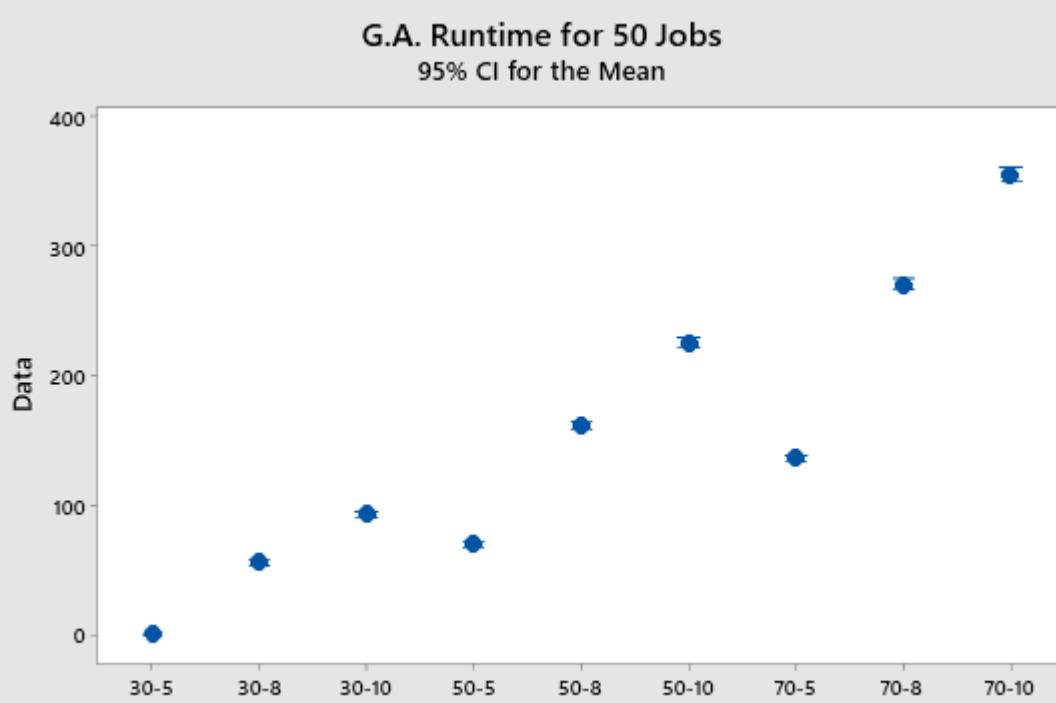
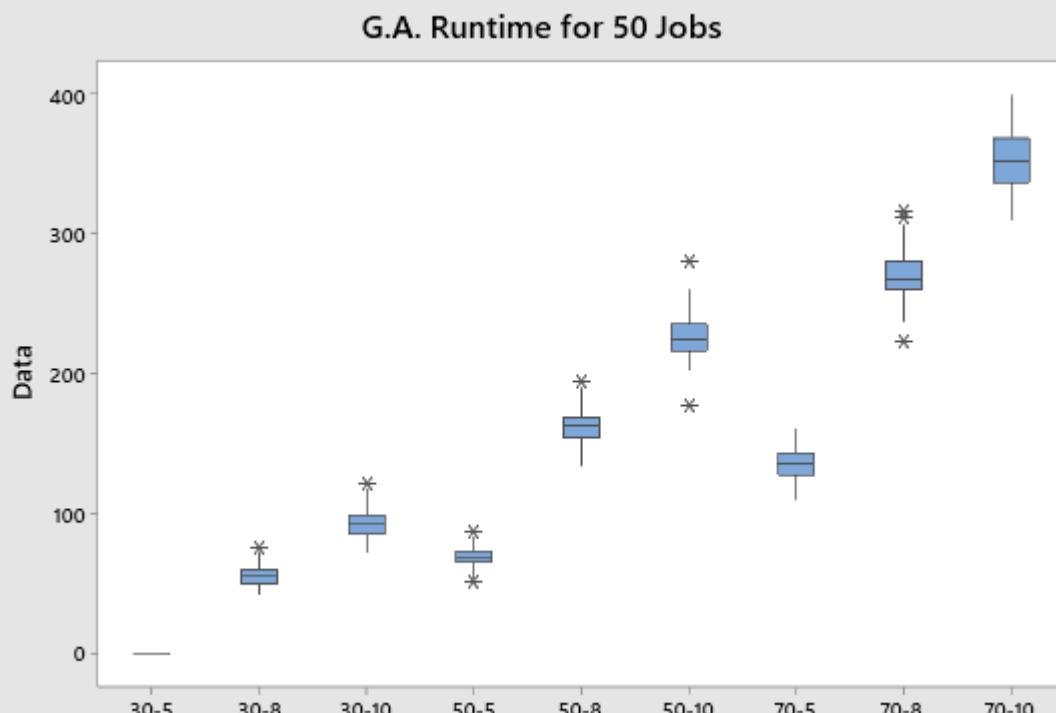
Individual standard deviations are used to calculate the intervals.

Genetic Algorithm

50 jobs OBJ FUNCTION

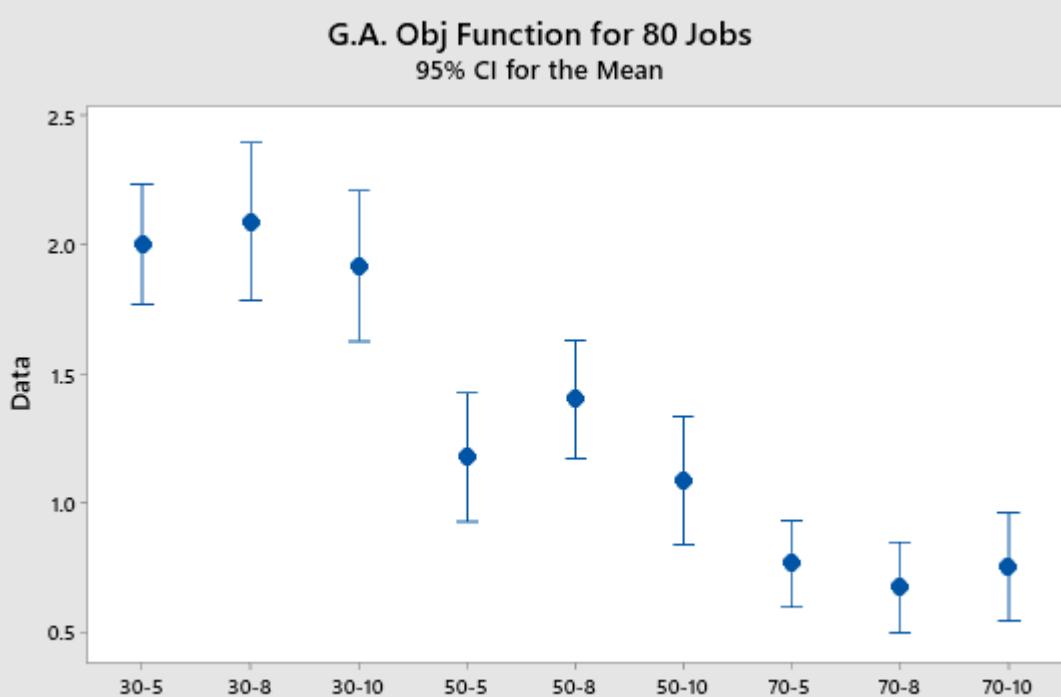
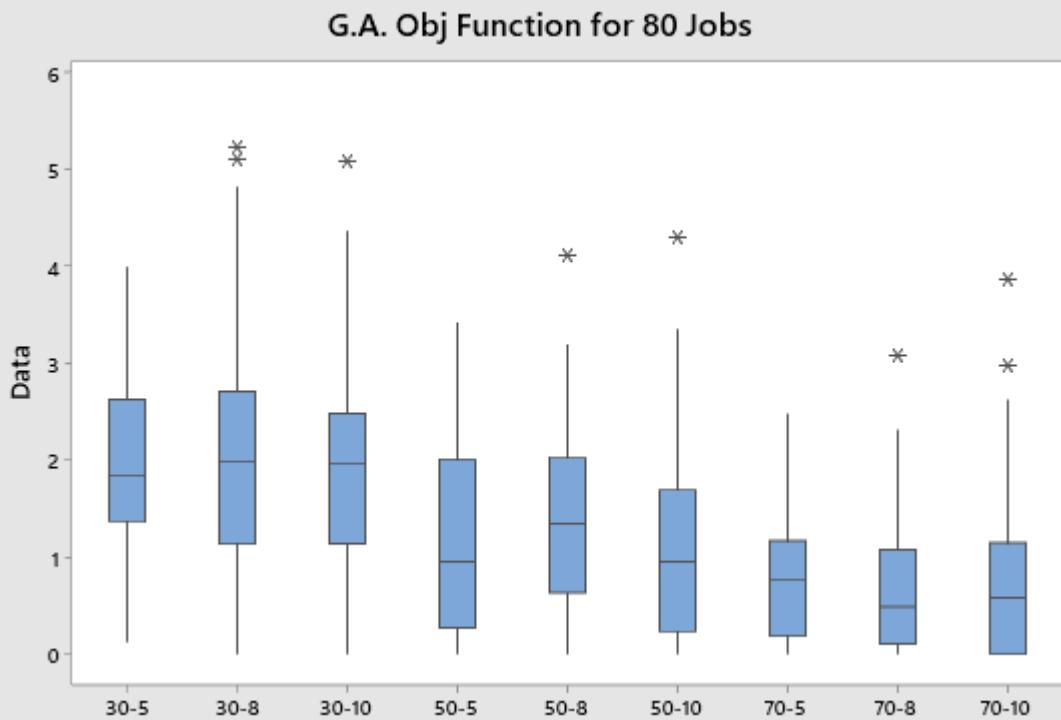


50 jobs TIME



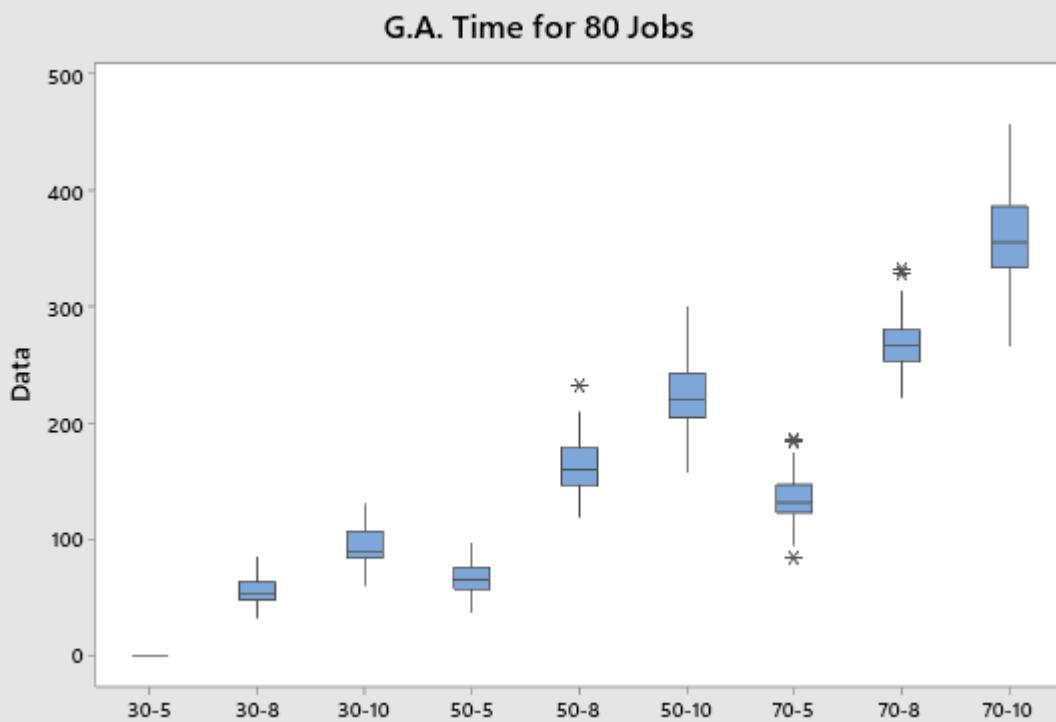
Individual standard deviations are used to calculate the intervals.

80 jobs OBJ FUNCTION

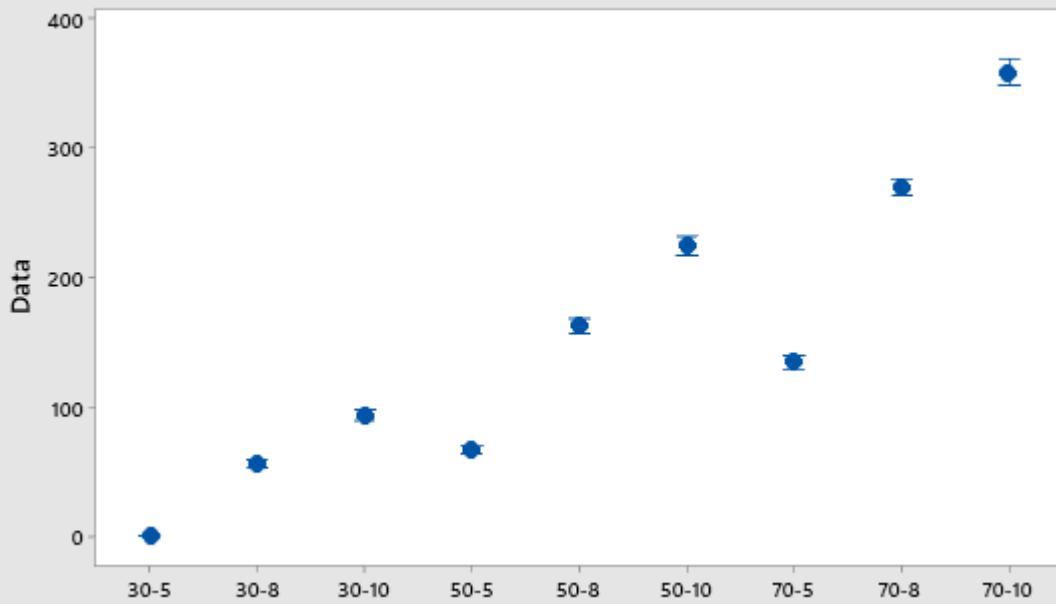


Individual standard deviations are used to calculate the intervals.

80 jobs TIME



G.A. Time for 80 Jobs
95% CI for the Mean



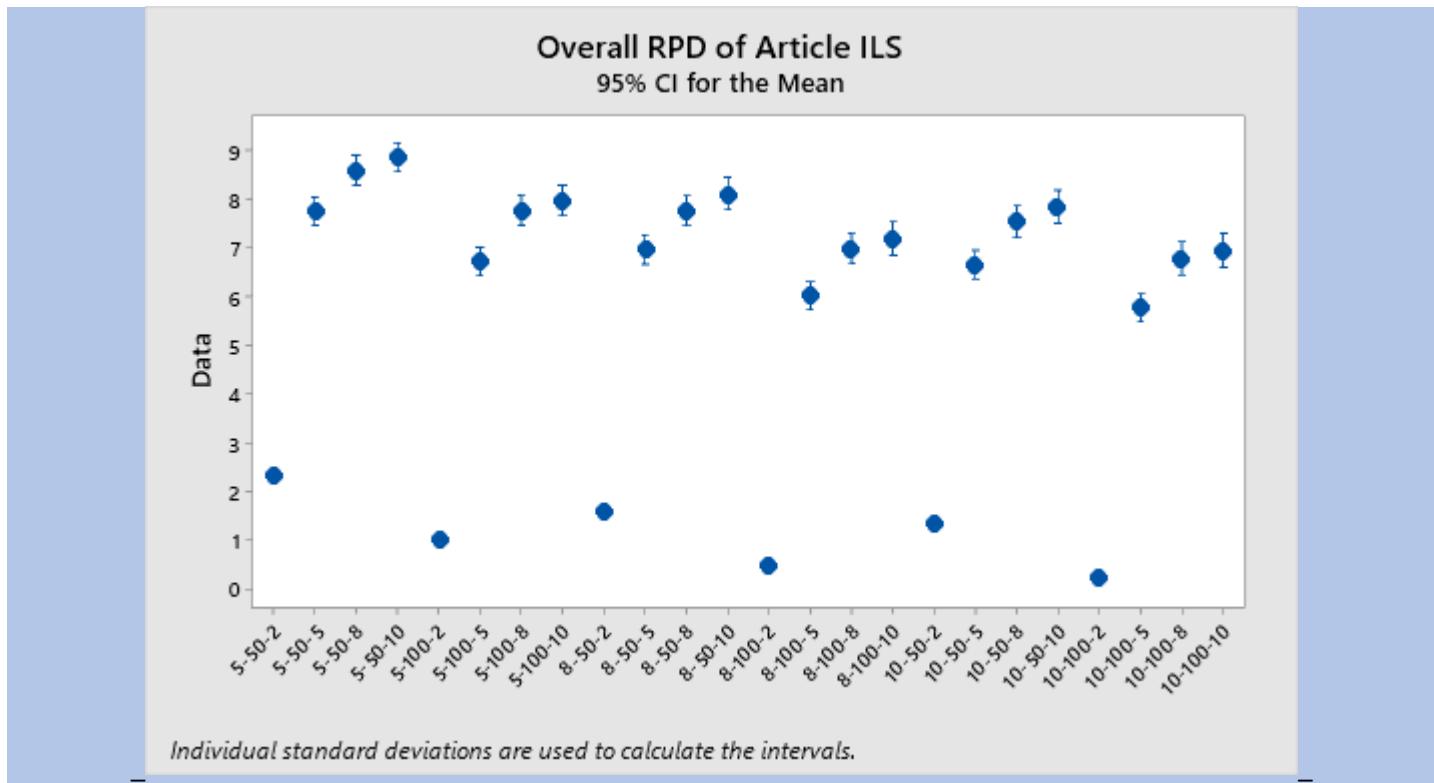
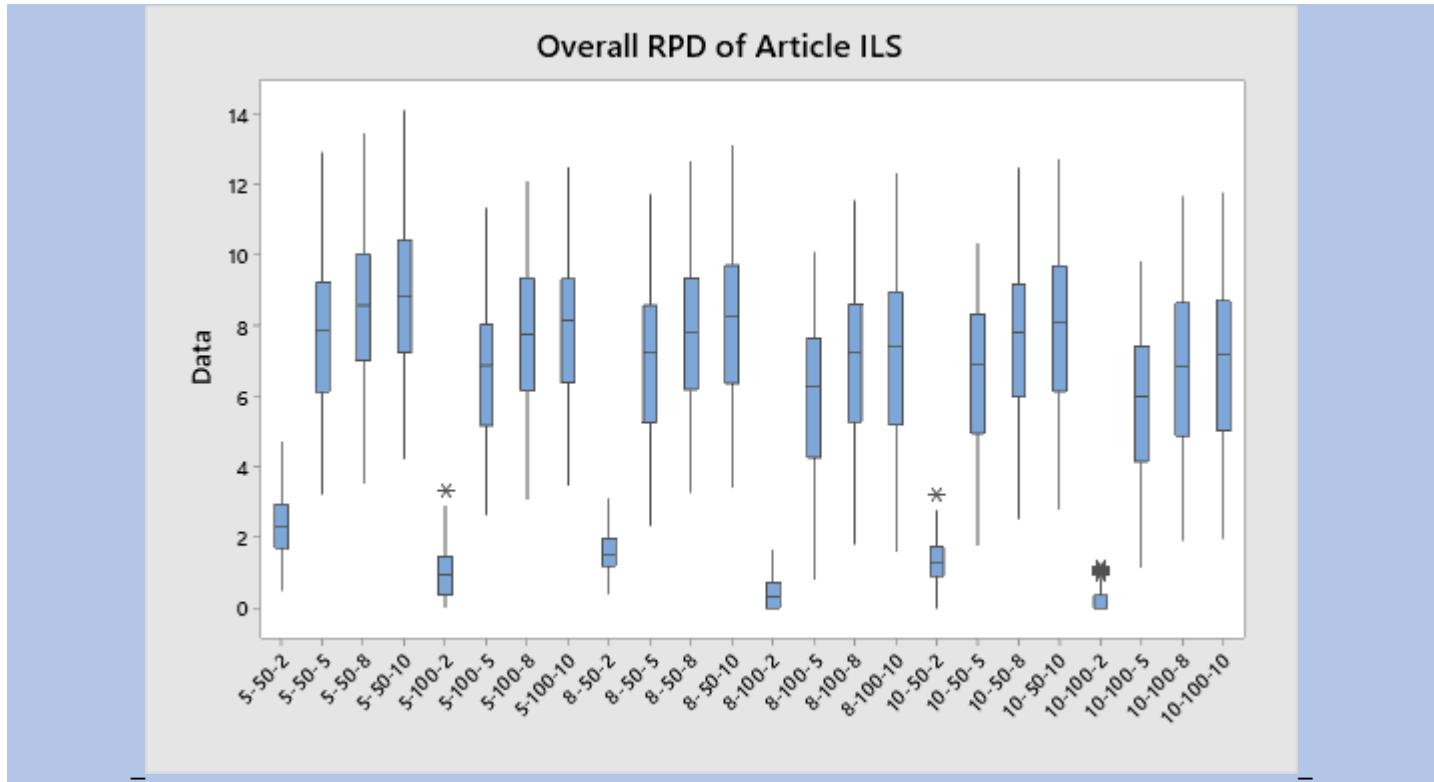
Individual standard deviations are used to calculate the intervals.

100 jobs OBJ FUNCTION
running instances

100 jobs TIME
running instances

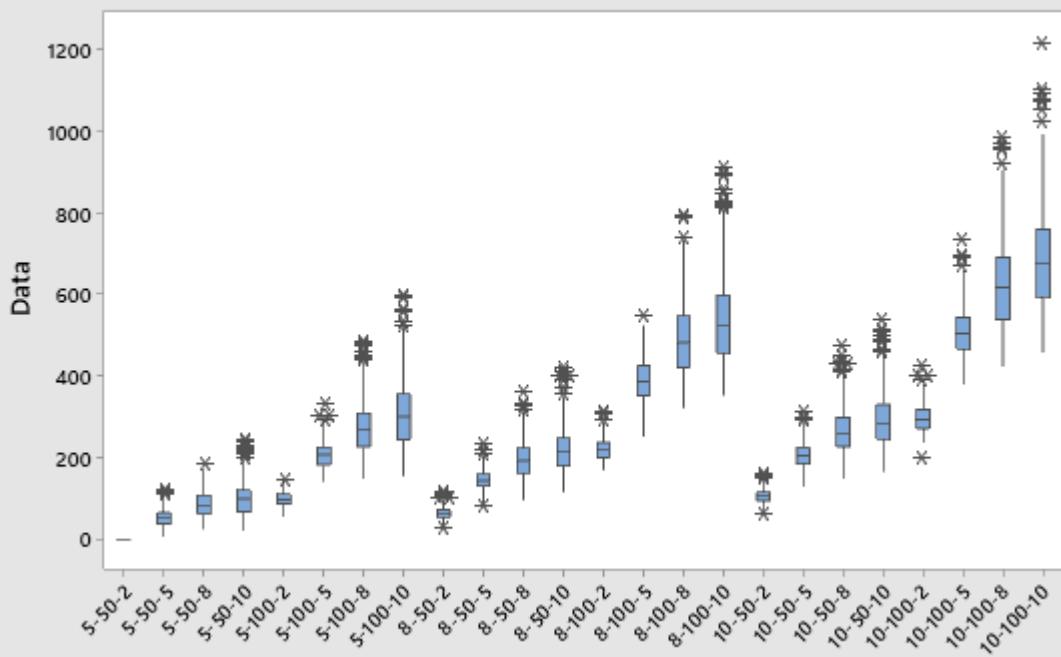
RPD ILS-RVND Custom

OBJ FUNCTION

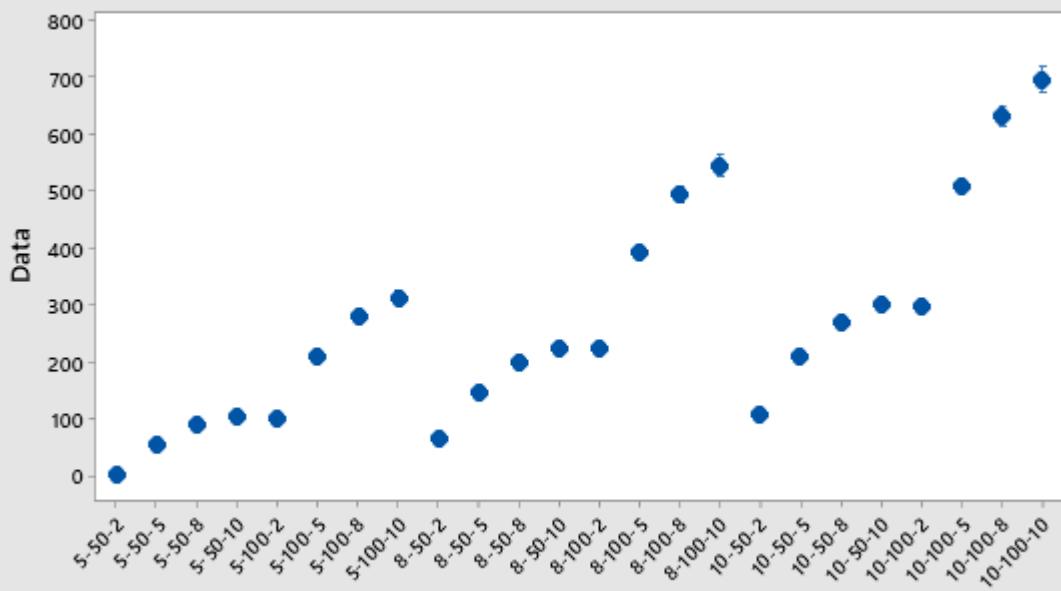


TIME

Overall Time RPD of Article ILS



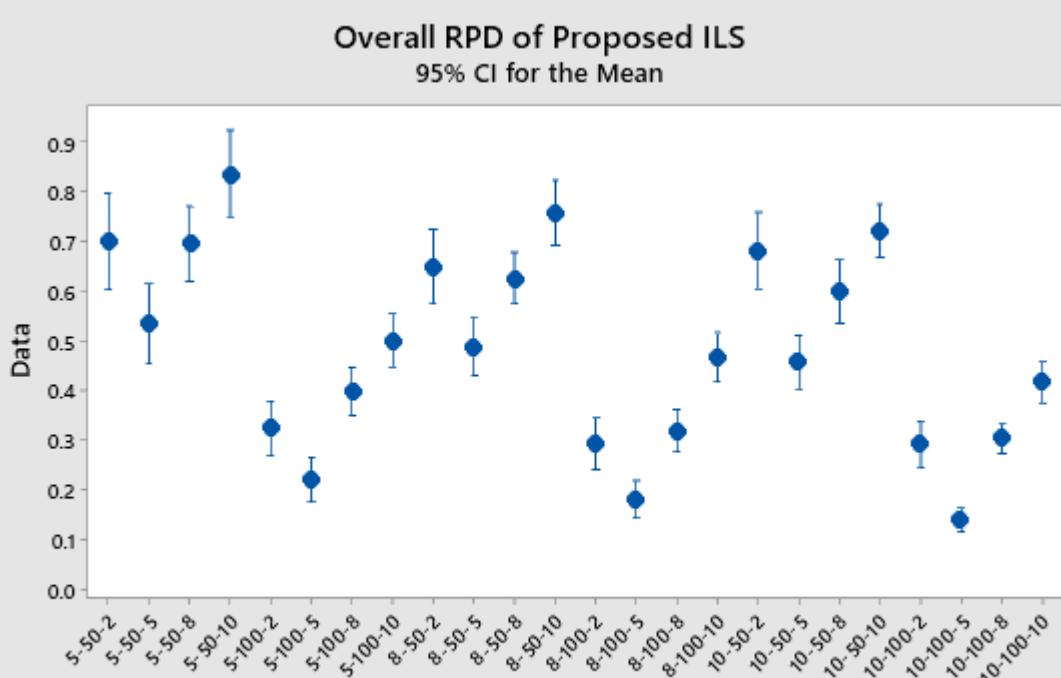
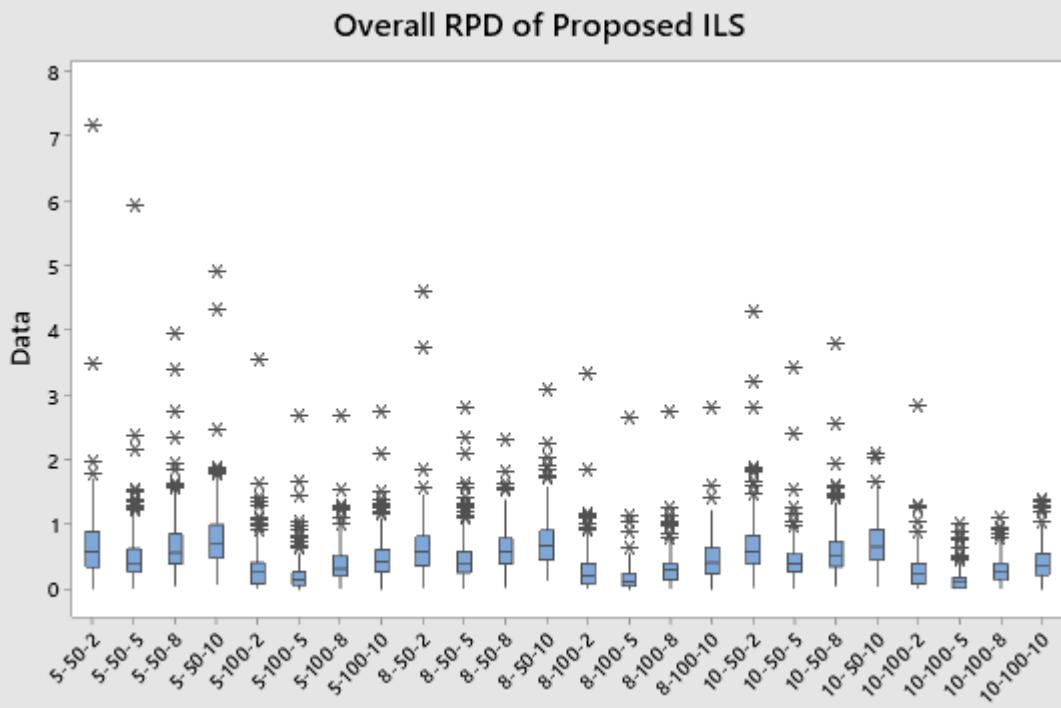
Overall Time RPD of Article ILS
95% CI for the Mean



Individual standard deviations are used to calculate the intervals.

RPD ILS-RVND

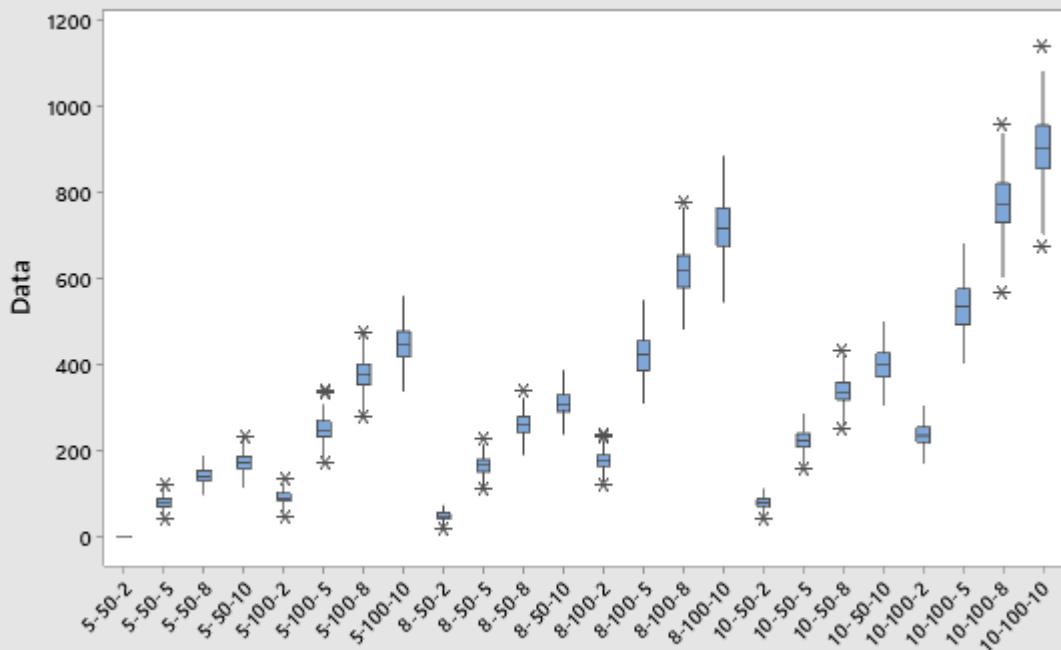
OBJ FUNCTION



Individual standard deviations are used to calculate the intervals.

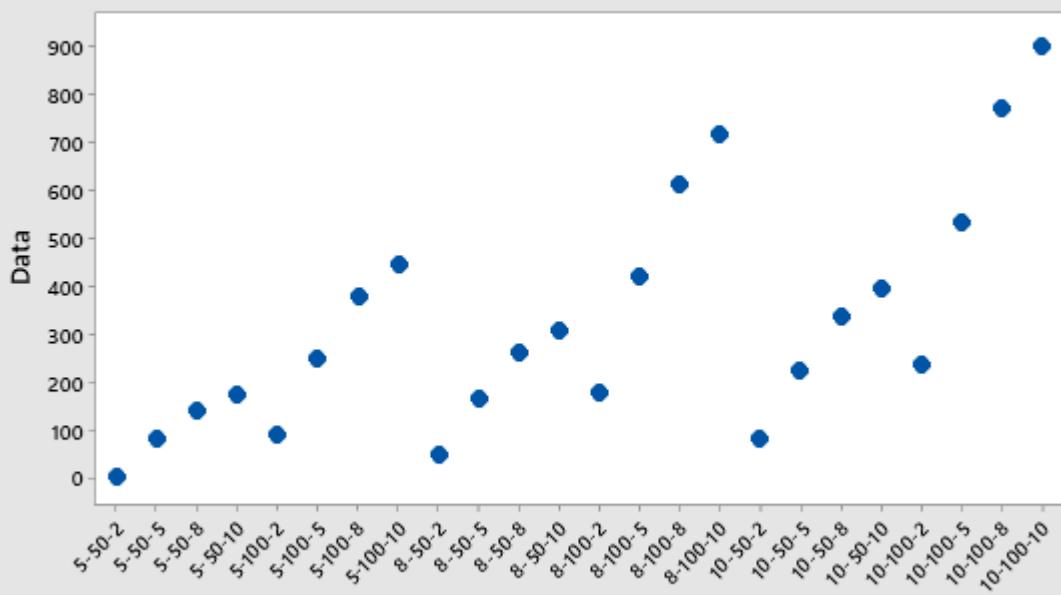
TIME

Overall Time RPD of Proposed ILS



Overall Time RPD of Proposed ILS

95% CI for the Mean



Individual standard deviations are used to calculate the intervals.

RPD Genetic Algorithm

OBJ FUNCTION

running

TIME