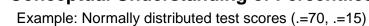
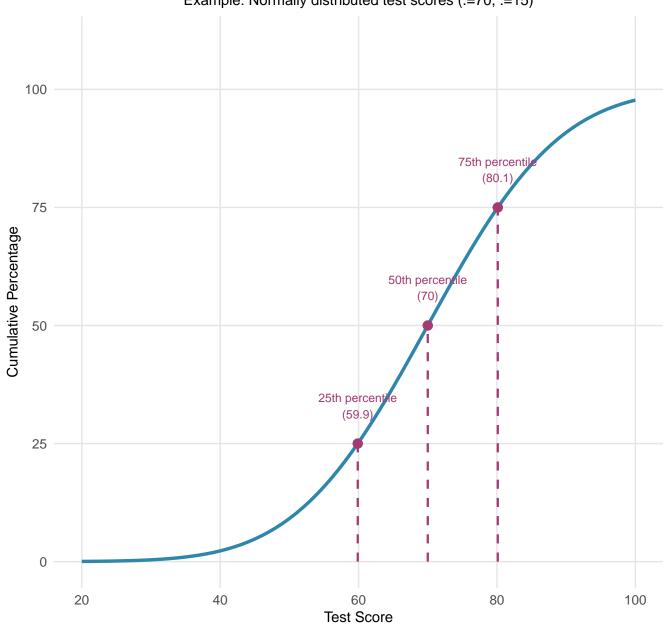
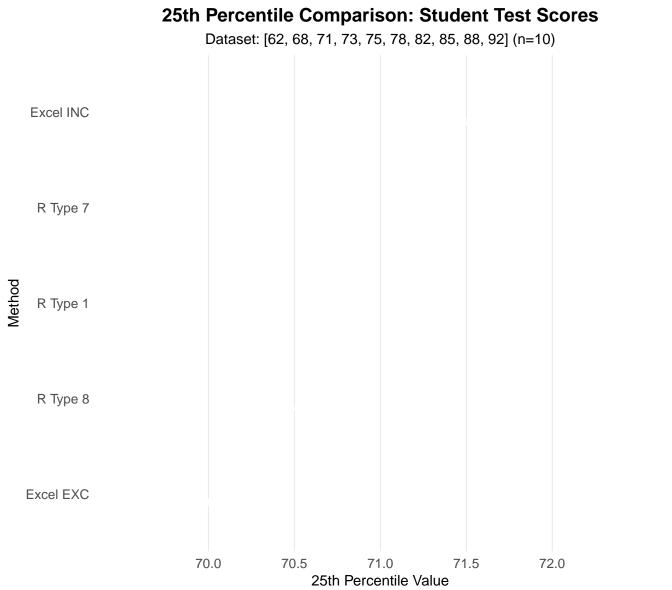
Conceptual Understanding of Percentiles





How Different Methods Interpolate Between Data Points Dataset: [10, 15, 20, 25, 30] - Finding 30th percentile 30 30th percentile position (2.3) 25 Value 02 20 15 15 10 10 3 Rank Position 30th Percentile Value **Results from Different Methods** 17 16 15 14 c.oı 16.25 16 15.75 15 Method



Software

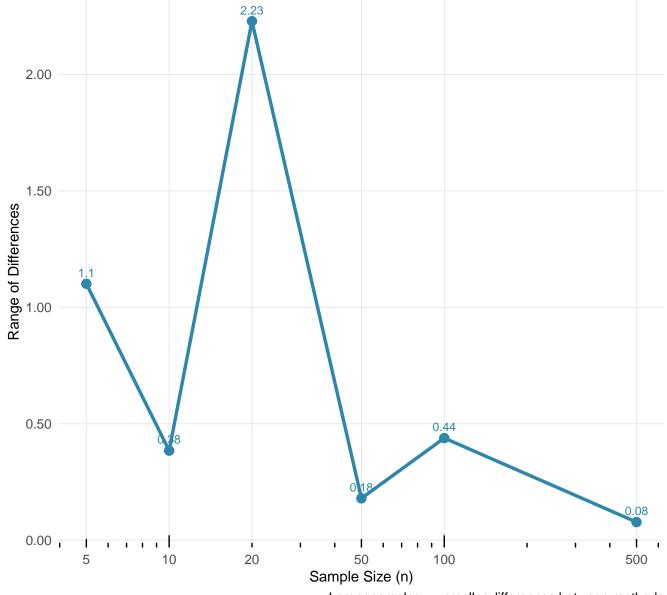
Range: 1.5 points difference between methods

R

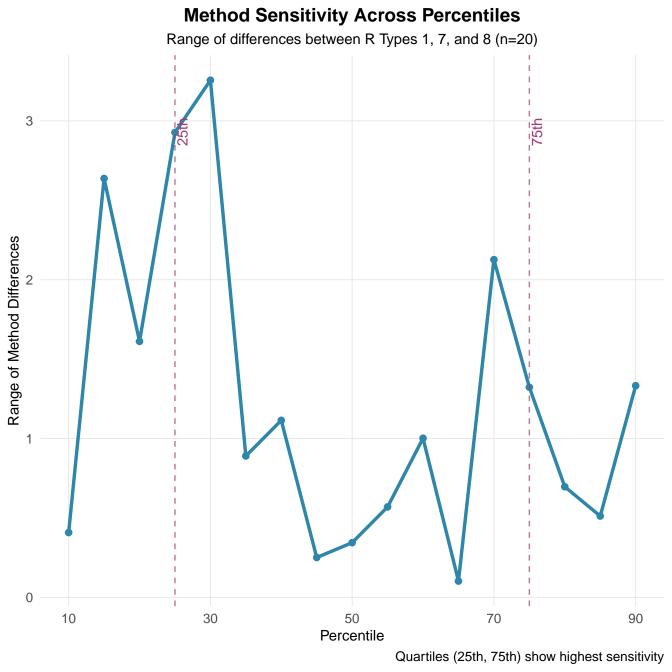
Excel

How Sample Size Affects Method Differences

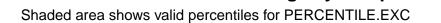
Range of 25th percentile values across R Types 1, 7, and 8

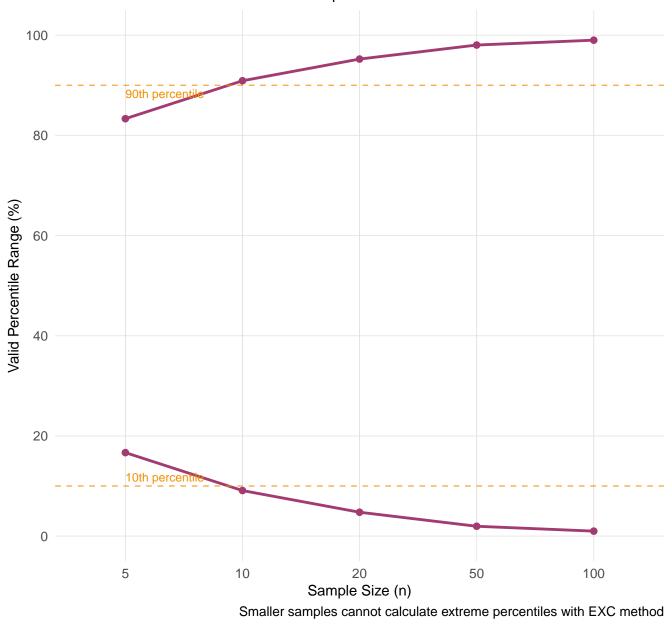


Larger samples -> smaller differences between methods



Excel PERCENTILE.EXC Valid Range by Sample Size





Software Comparison: Ease vs Flexibility

