

## A Statistical Comparison of Two Analyses

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The percentage chloride in a sample was measured by two different methods: 1) the Mohr method and 2) gravimetrically. The %Cl results are shown in the table - none of the original data are shown.

1. Report each value with 95% confidence limits.
2. Do the two methods give statistically different standard deviations?
3. Do the two methods give statistically different average %Cl?

Data:

%Cl (Mohr Method)	%Cl (Gravimetry)
3.51	3.50
3.49	3.48
3.48	3.52
3.52	3.53
3.50	3.54
	3.53