

Table Critical values for the Dixon test of outliers

Test Statistic	N	Level of significance α						
		0.30	0.20	0.10	0.05	0.02	0.01	0.005
$r_{10} = \frac{x_2 - x_1}{x_n - x_1}$	3	0.684	0.781	0.886	0.941	0.976	0.988	0.994
	4	0.471	0.560	0.679	0.765	0.846	0.889	0.926
	5	0.373	0.451	0.557	0.642	0.729	0.780	0.821
	6	0.318	0.386	0.482	0.560	0.644	0.698	0.740
	7	0.281	0.344	0.434	0.507	0.596	0.637	0.680
$r_{11} = \frac{x_2 - x_1}{x_{n-1} - x_1}$	8	0.318	0.385	0.479	0.554	0.631	0.683	0.725
	9	0.288	0.352	0.441	0.512	0.587	0.635	0.677
	10	0.265	0.325	0.409	0.477	0.551	0.597	0.639
$r_{21} = \frac{x_3 - x_1}{x_{n-1} - x_1}$	11	0.391	0.442	0.517	0.576	0.638	0.679	0.713
	12	0.370	0.419	0.490	0.546	0.605	0.642	0.675
	13	0.351	0.399	0.467	0.521	0.578	0.615	0.649
$r_{22} = \frac{x_3 - x_1}{x_{n-2} - x_1}$	14	0.370	0.421	0.492	0.546	0.602	0.641	0.674
	15	0.353	0.402	0.472	0.525	0.579	0.616	0.647
	16	0.338	0.386	0.454	0.507	0.559	0.595	0.624
	17	0.325	0.373	0.438	0.490	0.542	0.577	0.605
	18	0.314	0.361	0.424	0.475	0.527	0.561	0.589
	19	0.304	0.350	0.412	0.462	0.514	0.547	0.575
	20	0.295	0.340	0.401	0.450	0.502	0.535	0.562
	21	0.287	0.331	0.391	0.440	0.491	0.524	0.551
	22	0.280	0.323	0.382	0.430	0.481	0.514	0.541
	23	0.274	0.316	0.374	0.421	0.472	0.505	0.532
	24	0.268	0.310	0.367	0.413	0.464	0.497	0.524
	25	0.262	0.304	0.360	0.406	0.457	0.489	0.516