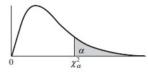
How to use Chi-Sq Table

March 17, 2022 10:42 AM

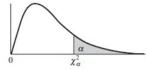
Table 6 Percentage Points of the χ^2 Distributions



•	df	$\chi^2_{0.995}$	$\chi^2_{0.990}$	X0.975)	$\chi^2_{0.950}$	$\chi^{2}_{0.900}$
	1	0.0000393	0.0001571	0.0009821	0.0039321	0.0157908
	2	0.0100251	0.0201007	0.0506356	0.102587	0.210720
	3	0.0717212	0.114832	0.215795	0.351846	0.584375
	4	0.206990	0.297110	0.484419	0.710721	1.063623
	5	0.411740	0.554300	0.831211	1.145476	1.61031
	6	0.675727	0.872085	1.237347	1.63539	2.20413
	7	0.989265	1.239043	1.68987	2.16735	2.83311
	8	1.344419	1.646482	2.17973	2.73264	3.48954
	9	1.734926	2.087912	2.70039	3.32511	4.16816
	10	2.15585	2.55821	3.24697	3.94030	4.86518
	11	2.60321	3.05347	3.81575	4.57481	5.57779
	12	3.07382	3.57056	4.40379	5.22603	6.30380
	13	3.56503	4.10691	5.00874	5.89186	7.04150
	14	4.07468	4.66043	5.62872	6.57063	7.78953

$$E \times 11$$
: $P(\chi^2_{df=6} > a) = 0.9$

Table 6 Percentage Points of the χ^2 Distributions



a	=	2	. 2	0	41	13

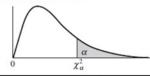
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$$E_{X}/I$$
 $P(\chi^2_{df=4} < 0.710721)$
= $I - P(\chi^2_{df=4} > 0.710721)$

$$= 1 - P(x^2 df = 4 > 0.710721)$$

$$= 1 - 0.950 = 0.05$$

Table 6 Percentage Points of the χ^2 Distributions



df	$\chi^{2}_{0.995}$	$\chi^2_{0.990}$	$\chi^{2}_{0.975}$	X2.950)	$\chi^2_{0.900}$
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Remarki. W/O symmetry, you cannot manipulate chisq. the same way as t and Z. Be more careful when practicing u/ these.