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This paper deals with two-sample Kolmogorov-Smirnov test and its biasedness. This test is not unbiased in general in case of different sample sizes. We found out most biased distribution for some values of significance level \$\alpha\$. Moreover we discovered that there exists number of observation and significance level \$\alpha\$ such that this test is unbiased at level \$\alpha\$. Comments: 7 pages, 1 figure	Potoron	ices & Citatic ADS
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