TEST	H_0	The test statistics	distribution if H_0 is true
χ^2 Goodness of fit	$P(X<t)=F_0(t),\ t\in IR$	$\sum_{i=1}^{r}\frac{\upsilon_i^2}{np_i}-n$	χ^2_{r-1}
One sample Kolmogorov-Smirnov	$P(X<t)=F_0(t),\ t\in IR$	$\sqrt{n}\cdot\sup_{x\in IR}\lvert F_n(x)-F_0(x)\rvert$	Kolmogorov
χ^2 Independence	$P(X_1<t, X_2<v)=P(X_1<t)P(X_2<v)$, $t,v\in IR$	$\sum_{i=1}^{r}\sum_{j=1}^{s}\frac{(\upsilon_{ij}-n\cdot p_{i\cdot}\cdot p_{\cdot j})^2}{n\cdot p_{i\cdot}\cdot p_{\cdot j}}$	$\chi^2_{(r-1)(s-1)}$
χ^2 Homogeneity	$P(X_1<t)=P(X_2<t),\ t\in IR$	$n_1\cdot n_2\sum_{i=1}^{r}\frac{\left(\frac{\upsilon_i}{n_1}-\frac{\lambda_i}{n_2}\right)^2}{\upsilon_i+\lambda_i}$	χ^2_{r-1}
Two samples Kolmogorov-Smirnov	$P(X_1<t)=P(X_2<t),\ t\in IR$	$\sqrt{\frac{n_1\cdot n_2}{n_1+n_2}}\sup_{x\in R}\lvert F_{n_1}(x)-n_2(x)\rvert$	Kolmogorov
Mann-Whitney, Two independent samples	$P(X_1<t)=P(X_2<t),\ t\in IR$	$\frac{R_x-\mu_x}{\sigma_x}$, where $R_x=\sum_{i=1}^{n}r_i, R_y=\sum_{i=n+1}^{N}r_i$, $\mu_x=\frac{n(N+1)}{2}, \sigma_x=\sqrt{\frac{nm(N+1)}{12}}$	N(0,1)
Kruskal-Wallis, More independent samples	$P(X_1<t)=\dots=P(X_p<t),\ t\in IR$	$\frac{12}{N(N+1)}\sum_{j=1}^{p}\frac{R_j^2}{n_j}-3(N+1)$	χ^2_{p-1}
Wilcoxon, Two paired samples	$P(X_1<t)=P(X_2<t),\ t\in IR$	$\left\lvert\frac{R_+-\mu_+}{\sigma_+}\right\rvert$, ahol $R_+=\sum_{\forall s_i>0}r_i$; $d_i=x^{(1)}_i-x^{(2)}_i,\ s_i=\mathrm{sgn}\,d_i$, $\mu_+=\frac{n(n+1)}{4}, \sigma_+=\sqrt{\frac{n(n+1)(2n+1)}{24}}$	N(0,1)
Friedman, More related samples	$P(X_1<t)=\dots=P(X_p<t),\ t\in IR$	$\frac{12}{np(p+1)}\sum_{j=1}^{p}R^{(j)}-3n(p+1)$, where $\begin{matrix} r_1^{(1)} & r_1^{(2)} & \dots & r_1^{(p)} \\ r_2^{(1)} & r_2^{(2)} & \dots & r_2^{(p)} \\ \vdots & \vdots & \ddots & \vdots \\ r_n^{(1)} & r_n^{(2)} & \dots & r_n^{(p)} \end{matrix}$, $R^{(i)}=\sum_{j=1}^{n}r_j^{(i)}$	χ^2_{p-1}