TEST	null hypothesis	Test statistics	Distribution
One sample u-test	H_0: $m=m_0$	$\frac{\overline{x}_n - m_0}{\sigma_0}\sqrt{n}$	N(0,1)
Two samples u	H_0: $m_x=m_y$	$\frac{\overline{x}_n - \overline{y}_m}{\sqrt{\frac{\sigma^2_x}{n}+\frac{\sigma^2_y}{m}}}$	N(0,1)
one sample t	H_0: $m=m_0$	$\frac{\overline{x}_n - m_0}{s^*_n}\sqrt{n}$	t_{n-1}
Independent samples t	H_0: $m_x=m_y$	$\frac{\overline{x}_n - \overline{y}_m}{\sqrt{(n-1)s^{*2}_{n,x}+(m-1)s^{*2}_{m,y}}}\sqrt{\frac{nm(n+m-2)}{n+m}}$	t_{n+m-2}
Paired samples t	H_0: $m_x=m_y$	$\frac{\overline{x}_n - \overline{y}_n}{s^*_{n,x-y}}\sqrt{n}$	t_{n-1}
Welch	H_0: $m_x=m_y$	$W_{n,m}=\frac{\overline{X}_n - \overline{Y}_m}{\sqrt{\frac{s^2_{x,n}}{n}+\frac{s^2_{y,m}}{m}}}$	t_f $\frac{1}{f}=\frac{c^2}{m-1}+\frac{(1-c^2)}{n-1}, c=\frac{s^2_{y,m}/m}{\left(\frac{s^2_{y,m}}{m}+\frac{s^2_{x,n}}{n}\right)}$
F	$H_0: \sigma_X=\sigma_Y$	$\frac{{s^*_{x,n}}^2}{{s^*_{y,m}}^2}$	$F_{n-1,m-1}$