على الطالبة معرفة القوانين الغير مدرجة في الجدول التالي

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| $$f\left(x\right)=\left(\begin{matrix}n\\x\end{matrix}\right)p^{x}q^{n-x};x=0,1,…n$$ | $$f\left(x\right)=λe^{-λx};x>0$$ | $$f\left(x\right)=e^{-λ}\frac{λ^{x}}{x!};x=0,1,…$$ |
| $$f\left(x\right)=\frac{\left(\begin{matrix}K\\x\end{matrix}\right)\left(\begin{matrix}N-K\\n-x\end{matrix}\right)}{\left(\begin{matrix}N\\n\end{matrix}\right)};x=0,1,…min\left(n,K\right)$$ | $$Z=\frac{\overbar{X}-μ}{s/\sqrt{n}}$$ | $$f\left(x\right)=\frac{1}{b-a};a\leq x\leq b$$ |
| $$Z=\frac{\overbar{X}-μ}{σ/\sqrt{n}}$$ | $$t=\frac{\overbar{X}-μ}{s/\sqrt{n}}$$ | $$f\left(x\right)=λe^{-λx};x>0$$ |
| $$χ^{2}=\frac{\left(n-1\right)S^{2}}{σ^{2}}$$ | $$Z=\frac{\left(\overbar{x}\_{1}-\overbar{x}\_{2}\right)-\left(μ\_{1}-μ\_{2}\right)}{\sqrt{\frac{σ\_{1}^{2}}{n\_{1}}+\frac{σ\_{2}^{2}}{n\_{2}}}}$$ | $$f\_{1-α}\left(v\_{1},v\_{2}\right)=\frac{1}{f\_{α}\left(v\_{2},v\_{1}\right)}$$ |
| $$e=z\_{α/2}\frac{σ}{\sqrt{n}}$$ | $$Z=\frac{\hat{P}-p}{\sqrt{p\left(1-p\right)/n}}$$ | $$n=\left(\frac{z\_{α/2}σ}{e}\right)^{2}$$ |
| $$\left(\overbar{x}\_{1}-\overbar{x}\_{2}\right)\pm z\_{α/2}\sqrt{\frac{σ\_{1}^{2}}{n\_{1}}+\frac{σ\_{2}^{2}}{n\_{2}}}$$ | $$Z=\frac{\left(\hat{P}\_{1}-\hat{P}\_{2}\right)-\left(p\_{1}-p\_{2}\right)}{\sqrt{\frac{p\_{1}\left(1-p\_{1}\right)}{n\_{1}}+\frac{p\_{2}\left(1-p\_{2}\right)}{n\_{2}}}}$$ | $$\overbar{x}\pm z\_{α/2}\frac{σ}{\sqrt{n}}$$ |
| $$\left(\overbar{x}\_{1}-\overbar{x}\_{2}\right)\pm t\_{α/2}S\_{p}\sqrt{\frac{1}{n\_{1}}+\frac{1}{n\_{2}}}$$ | $$\overbar{x}\pm z\_{α/2}\frac{s}{\sqrt{n}}$$ | $$\overbar{x}\pm t\_{α/2}\frac{s}{\sqrt{n}}$$ |
| $$S\_{p}^{2}=\frac{\left(n\_{1}-1\right)S\_{1}^{2}+\left(n\_{2}-1\right)S\_{2}^{2}}{\left(n\_{1}+n\_{2}-2\right)}$$ | $$\hat{p}\pm z\_{α/2}\sqrt{\frac{\hat{p}\left(1-\hat{p}\right)}{n}}$$ | $$\overbar{d}\pm t\_{α/2}S\_{d}/\sqrt{n}$$ |
| $$\left(\hat{p}\_{1}-\hat{p}\_{2}\right)\pm z\_{α/2}\sqrt{\frac{\hat{p}\_{1}\hat{q}\_{1}}{n\_{1}}+\frac{\hat{p}\_{2}\hat{q}\_{2}}{n\_{2}}}$$ | $$n=\frac{z\_{α/2}^{2}}{4e^{2}}$$ | $$n=\frac{z\_{α/2}^{2}\hat{p}\hat{q}}{e^{2}}$$ |