C51W21_Demo

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Section 1

Hello World

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S1 Subsection 1

This is a math equation $a^2 + b^2 = c^2$

Likelihood function of $Bin(n,\pi)$: $\ell(\pi\mid y)=\left(\begin{array}{c} n\\ y\end{array}\right)\pi^y(1-\pi)^{n-y}$

\$..\$ is a inline math mode.

This is a score CI:

$$\hat{\pi} \left(\frac{n}{n + z_{\alpha/2}^2} \right) + \frac{1}{2} \left(\frac{z_{\alpha/2}^2}{n + z_{\alpha/2}^2} \right) \pm \\ z_{\alpha/2} \sqrt{\frac{1}{n + z_{\alpha/2}^2}} \left[\hat{\pi} (1 - \hat{\pi}) \frac{n}{n + z_{\alpha/2}^2} + \frac{1}{4} \left(\frac{z_{\alpha/2}^2}{n + z_{\alpha/2}^2} \right) \right]$$

Code chunks

echo = F

[1] 0.2373046875 0.3955078125 0.2636718750 0.0878906250 0.0146484375

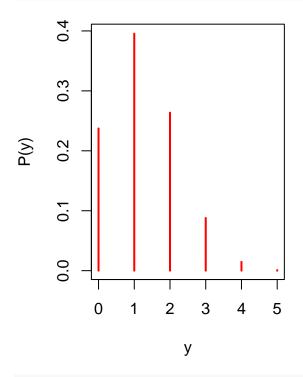
[6] 0.0009765625

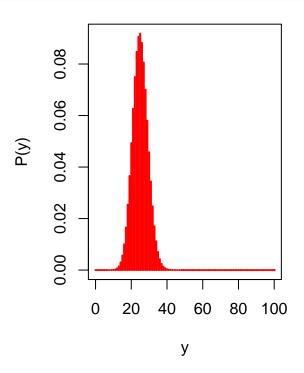
X

[1] 0.2373046875 0.3955078125 0.2636718750 0.0878906250 0.0146484375

[6] 0.0009765625

Code Chunks with figures





pbinom(2, 5, 1/4)

[1] 0.8964844

Simple way of attaching figure

More figure code chunk options

Tables

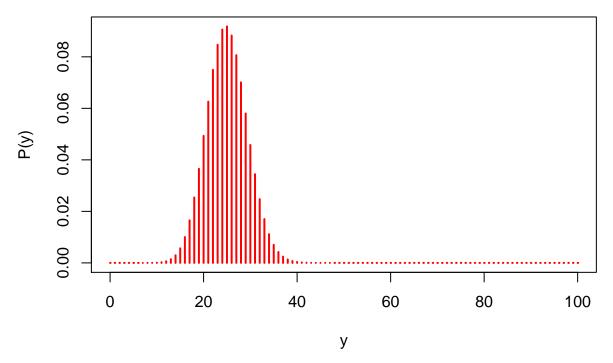


Figure 1: This is a figure caption.

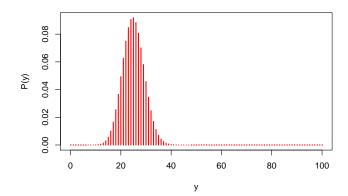


Figure 2: This is a figure caption 111.

Table 1: Example from Lec3 page 10

method	X	n	mean	lower	upper
agresti-coull	4	400	0.01	0.0029	0.0264
exact	4	400	0.01	0.0027	0.0254
lrt	4	400	0.01	0.0031	0.0231
wilson	4	400	0.01	0.0039	0.0254