

<u>trials</u>	<u>signal</u>	<u>$\sum s$</u>	<u>$\sum \sigma^2$</u>	<u>$\sum \sigma$</u>	<u>\bar{s}</u>	<u>$\bar{\sigma}$</u>	<u>$\frac{\bar{s}}{\bar{\sigma}}$</u>
n	s	$n \cdot s$	$n \cdot \sigma^2$	$\sqrt{n} \sigma$	s	σ / \sqrt{n}	$s\sqrt{n} / \sigma$

hits and misses

pn	s	pns	$pn\sigma^2$	$\sqrt{pn} \sigma$	s	σ / \sqrt{pn}	$s\sqrt{pn} / \sigma$
$(1-p)n$	s	$(1-p)ns$	$(1-p)n\sigma^2$	$\sqrt{(1-p)n} \sigma$	s	$\sigma / \sqrt{(1-p)n}$	$s\sqrt{(1-p)n} / \sigma$

hits and misses summed.

pn	s	$2s$	$\frac{\sigma^2}{pn} + \frac{\sigma^2}{(1-p)n}$	$\frac{\sigma}{\sqrt{(1-p)pn}}$	s	$\frac{\sigma}{2\sqrt{(1-p)pn}}$	$\frac{2s\sqrt{n p(1-p)}}{\sigma}$
$(1-p)n$	s						

$$\frac{(1-p)\sigma^2 + p\sigma^2}{(1-p)pn \quad (1-p)pn}$$

$$\frac{(1-p)\sigma^2 + p\sigma^2}{(1-p)pn}$$

$$\frac{\sigma^2(1-p+p)}{(1-p)pn}$$

$$\frac{\sigma^2}{(1-p)pn}$$