The ICMSF Spreadsheet Tool: Typical details for a 2-class count plan

> Marcel Zwietering Wageningen University ICMSF Member since 2005







The ICMSF spreadsheet: 3 graphs on top

- The probability density function of the log counts:



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- The probability density function of the log counts
- The OC-curve for the proportion defective samples:



OC= Operating Characteristic

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- The probability density function of the log counts
- The OC-curve for the proportion defective samples
- The OC-curve as function of the log arithmetic mean:









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Means			
Arithmetic (=Average)	Geometric (Geometric (=Median)	
545.5 cfu/g	100.0	cfu/g	
2.74 log cfu/g	2.00	log cfu/g	



(for σ=0.8)	
Geometric (=Median)	
100.0 cfu/g	
2.00 log cfu/g	
Means (for σ=0.2)
Arithmetic (=Average)	Geometric (=Median)
111.2 cfu/g	100.0 cfu/g
2.05 log cfu/g	2.00 log cfu/g
	(for σ=0.8) Geometric (=Median) 100.0 cfu/g 2.00 log cfu/g Means (1 Arithmetic (=Average) 111.2 cfu/g 2.05 log cfu/g















Conclusions

The ICMSF tool can illustrate and calculate all kinds of effects of variables both graphically as well as numerically



