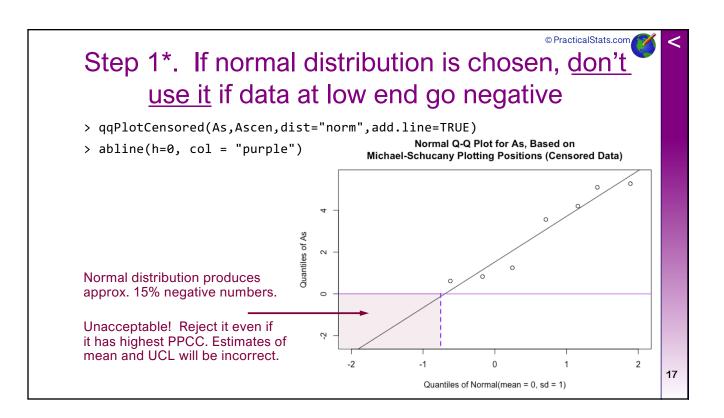
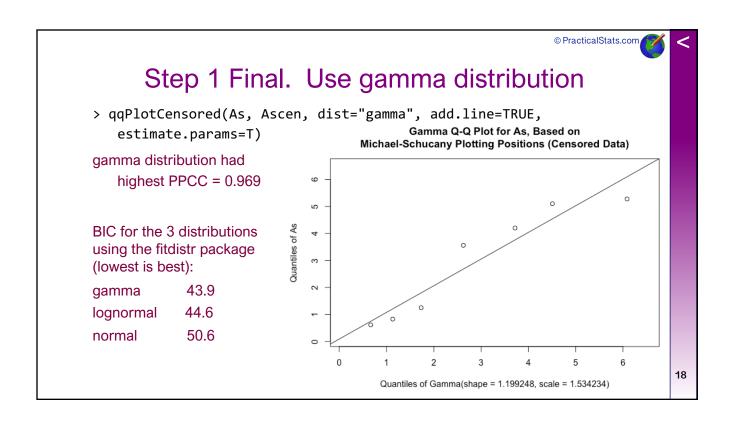


Step 1. Compute	© PracticalStats.com
candidate distribution	
<ul> <li>&gt; gofTestCensored(As, Ascen, dist = "gamma", test = "ppcc")</li> <li>Hypothesized Distribution: Gamma</li> <li>Estimated Parameter(s): shape = 1.19924 scale = 1.534234</li> </ul>	Maximize the PPCC, minimize the BIC to obtain the best fitting distribution.
Test Statistic: r = 0.969 > gofTestCensored(As, Ascen, dist = "Inorm", test = "ppcc") Hypothesized Distribution: Lognormal Estimated Parameter(s): meanlog = 0.2107019 sdlog = 0.9159493 Test Statistic: r = 0.966	Highest PPCC of 0.969 is the gamma distribution. Almost the same at 0.968 is the normal distribution – could choose either? No! (Remember how it was off on the CDF plot?)
<ul> <li>&gt; gofTestCensored(As, Ascen, dist = "norm", test = "ppcc")</li> <li>Hypothesized Distribution: Normal</li> <li>Estimated Parameter(s): mean = 1.646692 sd = 1.966435</li> </ul>	To illustrate an important issue with the normal distribution that you should always check, let's choose it as the one to use.
Test Statistic: r = 0.968	





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Step 2.	Compute mean, UCL95	
> egammaAltCensored(As, Ascen	, ci=TRUE, ci.type="upper", ci.method="normal.approx")	
Results of Distribution Parame	eter Estimation Based on Type I Censored Data	
Assumed Distribution:	Gamma	
Estimated Parameter(s):	<pre>mean = 1.8399269 cv = 0.9131572</pre>	
Estimation Method:	MLE	
Data:	As	
Censoring Variable:	Ascen	
Sample Size:	21	
Percent Censored:	66.66667%	
Confidence Interval for:	mean	
Confidence Interval Method:	Normal Approximation	
Confidence Interval Type:	upper 95%	
Confidence Interval:	LCL = -Inf	
	UCL = 2.575537	
		19
		13

Step 3.	© PracticalStats.com
> As.gamma <- egammaCensored(A	As, Ascen)
<pre>&gt; eqgamma(As.gamma, p= c(0.9,</pre>	0.95) )
	eter Estimation Based on Type I Censored Data
Assumed Distribution:	 Gamma
Censoring Side:	left
Censoring Level(s):	0.5 2.0 3.0 4.0
Estimated Parameter(s):	shape = 1.199248
	scale = 1.534234
Estimation Method:	MLE
Estimated Quantile(s):	90'th %ile = 4.050705
	95'th %ile = 5.172334
Quantile Estimation Method:	Quantile(s) Based on
	MLE Estimators
Data:	As
Censoring Variable:	Ascen
Sample Size:	21
Percent Censored:	66.66667%

Nonparame	tric Alterna plus Boot	e Practical Stats.com
> enparCensored(As, Ascen, ci= Results of Distribution Parame		p", ci.type="upper", n.bootstraps=10000) ype I Censored Data
Estimated Parameter(s):	mean = 1.7169702 sd = 1.5928374	Since there were 21 obs. I thought I'd show you a bootstrap result.
	se.mean = 0.1159666	Very similar to gamma dist. results.
Estimation Method: Confidence Interval for:	Kaplan-Meier mean	
Confidence Interval Method:	Bootstrap	
Number of Bootstraps:	10000 10000	
Number of Bootstrap Samples Wi		
Number of Times Bootstrap Repe		
Confidence Interval Type:	upper 95%	
Confidence Interval:	Pct.LCL = 0.000000	
	Pct.UCL = 2.547658	
	BCa.LCL = 0.000000	
	BCa.UCL = 2.511977	

