Distributions Herd=high-performing, Indicator=CC kgCO2eq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-33.26302	-33.07582	-38.35393

Summary Statistics

Mean	0.6295688
Std Dev	0.0637359
Std Err Mean	0.0170341
Upper 95% Mean	0.6663688
Lower 95% Mean	0.5927688
N	14
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.6295688	0.0170341	0.5927688	0.6663688
Dispersion	σ	0.0637359	0.0127472	0.0462056	0.1026812
Measures					
-2*LogLikelihood		-38.35393			
AICc		-33.26302			
BIC		-33.07582			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9609226	0.7383
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.2217817	0.8088

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=high-performing, Indicator=CC-biogenic kgCO2eq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-33.26302	-33.07582	-38.35393

Summary Statistics

Mean	0.6295688
Std Dev	0.0637359
Std Err Mean	0.0170341
Upper 95% Mean	0.6663688
Lower 95% Mean	0.5927688
N	14
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.6295688	0.0170341	0.5927688	0.6663688
Dispersion	σ	0.0637359	0.0127472	0.0462056	0.1026812
Measures					
-2*LogLikelihood		-38.35393			
AICc		-33.26302			
BIC		-33.07582			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9609226	0.7383
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.2217817	0.8224

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=high-performing, Indicator=CC-fossil kgCO2eq

Enteric fermentation

Summary Statistics

Mean	0
Std Dev	0
Std Err Mean	0
Upper 95% Mean	0
Lower 95% Mean	0
N	14
N Missing	0

Distributions Herd=high-performing, Indicator=CC-LTU kgCO2eq

Enteric fermentation

Summary Statistics

Mean	0
Std Dev	0
Std Err Mean	0
Upper 95% Mean	0
Lower 95% Mean	0
N	14
N Missing	0

Distributions Herd=high-performing, Indicator=POCP kgNMVOCeq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-260.6673	-260.4801	-265.7582

Summary Statistics

Mean	0.000187
Std Dev	1.8933e-5
Std Err Mean	5.0601e-6
Upper 95% Mean	0.000198
Lower 95% Mean	0.0001761
N	14
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.000187	5.0601e-6	0.0001761	0.000198
Dispersion	σ	1.8933e-5	3.7867e-6	1.3726e-5	0.0000305
Measures					
-2*LogLikelihood		-265.7582			
AICc		-260.6673			
BIC		-260.4801			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9609226	0.7383
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.2217816	0.8128

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=low-performing, Indicator=CC kgCO2eq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-21.73527	-21.54806	-26.82618

Summary Statistics

Mean	0.8137464
Std Dev	0.0962023
Std Err Mean	0.0257111
Upper 95% Mean	0.869292
Lower 95% Mean	0.7582009
N	14
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.8137464	0.0257111	0.7582009	0.869292
Dispersion	σ	0.0962023	0.0192405	0.0697422	0.154986
Measures					
-2*LogLikelihood		-26.82618			
AICc		-21.73527			
BIC		-21.54806			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9586009	0.7000
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.3365424	0.4652

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=low-performing, Indicator=CC-biogenic kgCO2eq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-21.73527	-21.54806	-26.82618

Summary Statistics

Mean	0.8137464
Std Dev	0.0962023
Std Err Mean	0.0257111
Upper 95% Mean	0.869292
Lower 95% Mean	0.7582009
N	14
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.8137464	0.0257111	0.7582009	0.869292
Dispersion	σ	0.0962023	0.0192405	0.0697422	0.154986
Measures					
-2*LogLikelihood		-26.82618			
AICc		-21.73527			
BIC		-21.54806			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9586009	0.7000
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.3365424	0.4800

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=low-performing, Indicator=CC-fossil kgCO2eq

Enteric fermentation

Summary Statistics

Mean	0
Std Dev	0
Std Err Mean	0
Upper 95% Mean	0
Lower 95% Mean	0
N	14
N Missing	0

Distributions Herd=low-performing, Indicator=CC-LTU kgCO2eq

Enteric fermentation

Summary Statistics

Mean	0
Std Dev	0
Std Err Mean	0
Upper 95% Mean	0
Lower 95% Mean	0
N	14
N Missing	0

Distributions Herd=low-performing, Indicator=POCP kgNMVOCeq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-249.1395	-248.9523	-254.2304

Summary Statistics

Mean	0.0002417
Std Dev	2.8578e-5
Std Err Mean	7.6377e-6
Upper 95% Mean	0.0002582
Lower 95% Mean	0.0002252
N	14
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.0002417	7.6377e-6	0.0002252	0.0002582
Dispersion	σ	2.8578e-5	5.7155e-6	2.0718e-5	4.604e-5
Measures					
-2*LogLikelihood		-254.2304			
AICc		-249.1395			
BIC		-248.9523			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9586009	0.7000
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.3365425	0.4620

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=mid-performing, Indicator=CC kgCO2eq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-89.44917	-87.3575	-93.94917

Summary Statistics

Mean	0.7109376
Std Dev	0.0432733
Std Err Mean	0.008328
Upper 95% Mean	0.7280559
Lower 95% Mean	0.6938192
N	27
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.7109376	0.008328	0.6938192	0.7280559
Dispersion	σ	0.0432733	0.0060595	0.0340784	0.0593031
Measures					
-2*LogLikelihood		-93.94917			
AICc		-89.44917			
BIC		-87.3575			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9340942	0.0871
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.6807313	0.0632

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=mid-performing, Indicator=CC-biogenic kgCO2eq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-89.44917	-87.3575	-93.94917

Summary Statistics

Mean	0.7109376
Std Dev	0.0432733
Std Err Mean	0.008328
Upper 95% Mean	0.7280559
Lower 95% Mean	0.6938192
N	27
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.7109376	0.008328	0.6938192	0.7280559
Dispersion	σ	0.0432733	0.0060595	0.0340784	0.0593031
Measures					
-2*LogLikelihood		-93.94917			
AICc		-89.44917			
BIC		-87.3575			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9340942	0.0871
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.6807313	0.0688

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.

Distributions Herd=mid-performing, Indicator=CC-fossil kgCO2eq

Enteric fermentation

Summary Statistics

Mean	0
Std Dev	0
Std Err Mean	0
Upper 95% Mean	0
Lower 95% Mean	0
N	27
N Missing	0

Distributions Herd=mid-performing, Indicator=CC-LTU kgCO2eq

Enteric fermentation

Summary Statistics

Mean	0
Std Dev	0
Std Err Mean	0
Upper 95% Mean	0
Lower 95% Mean	0
N	27
N Missing	0

Distributions Herd=mid-performing, Indicator=POCP kgNMVOCeq

Enteric fermentation

Compare Distributions

Show	Distribution		AICc ^	BIC	-2*LogLikelihood
☑	Normal	———	-528.0145	-525.9228	-532.5145

Summary Statistics

Mean	0.0002112
Std Dev	1.2855e-5
Std Err Mean	2.4739e-6
Upper 95% Mean	0.0002163
Lower 95% Mean	0.0002061
N	27
N Missing	0

Fitted Normal Distribution

Parameter		Estimate	Std Error	Lower 95%	Upper 95%
Location	μ	0.0002112	2.4739e-6	0.0002061	0.0002163
Dispersion	σ	1.2855e-5	1.8209e-6	1.0123e-5	1.7617e-5
Measures					
-2*LogLikelihood		-532.5145			
AICc		-528.0145			
BIC		-525.9228			

Goodness-of-Fit Test

	W	Prob<W
Shapiro-Wilk	0.9340942	0.0871
	Simulated	
	A²	**p-Value**
Anderson-Darling	0.6807311	0.0608

Note: Ho = The data is from the Normal distribution. Small p-values reject Ho.