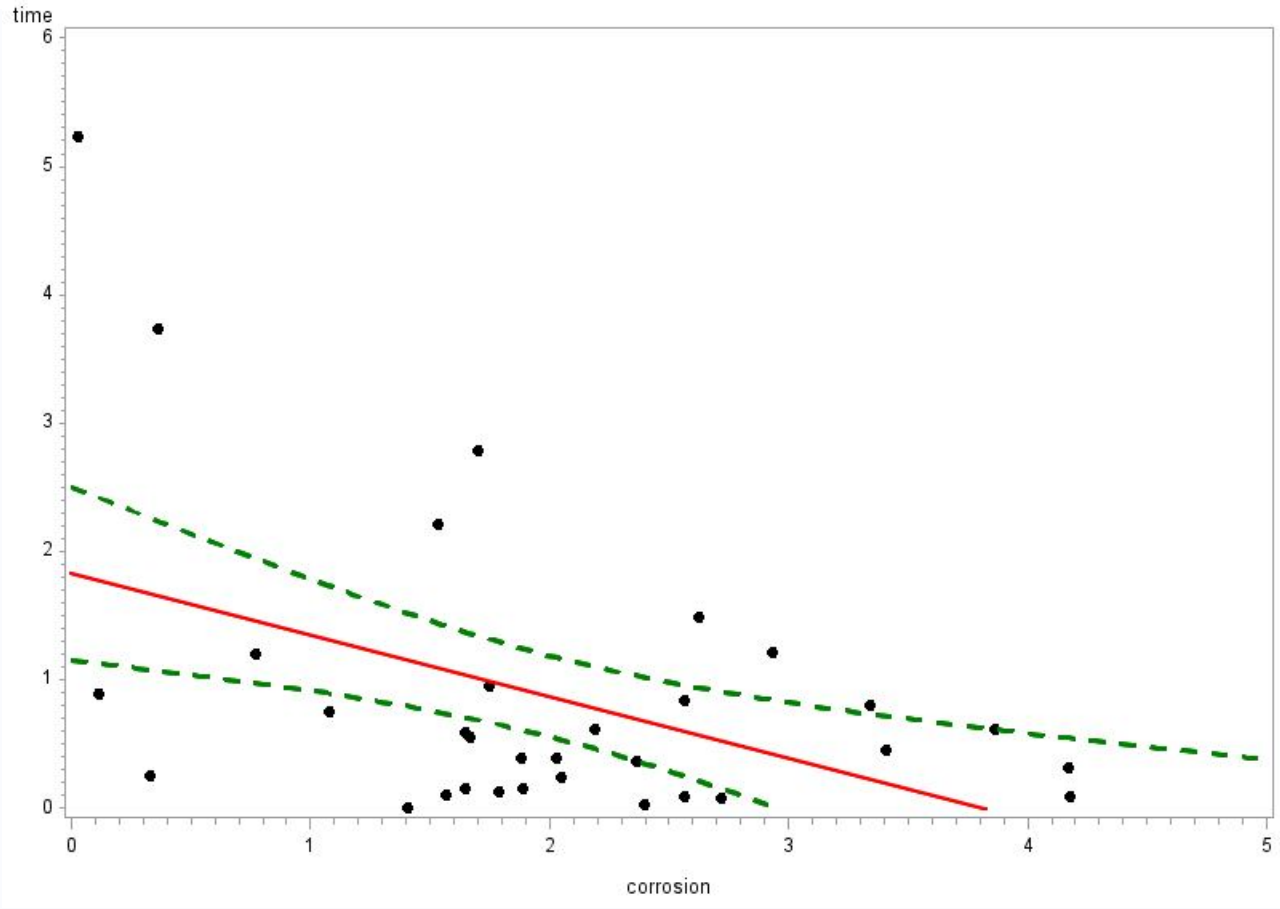
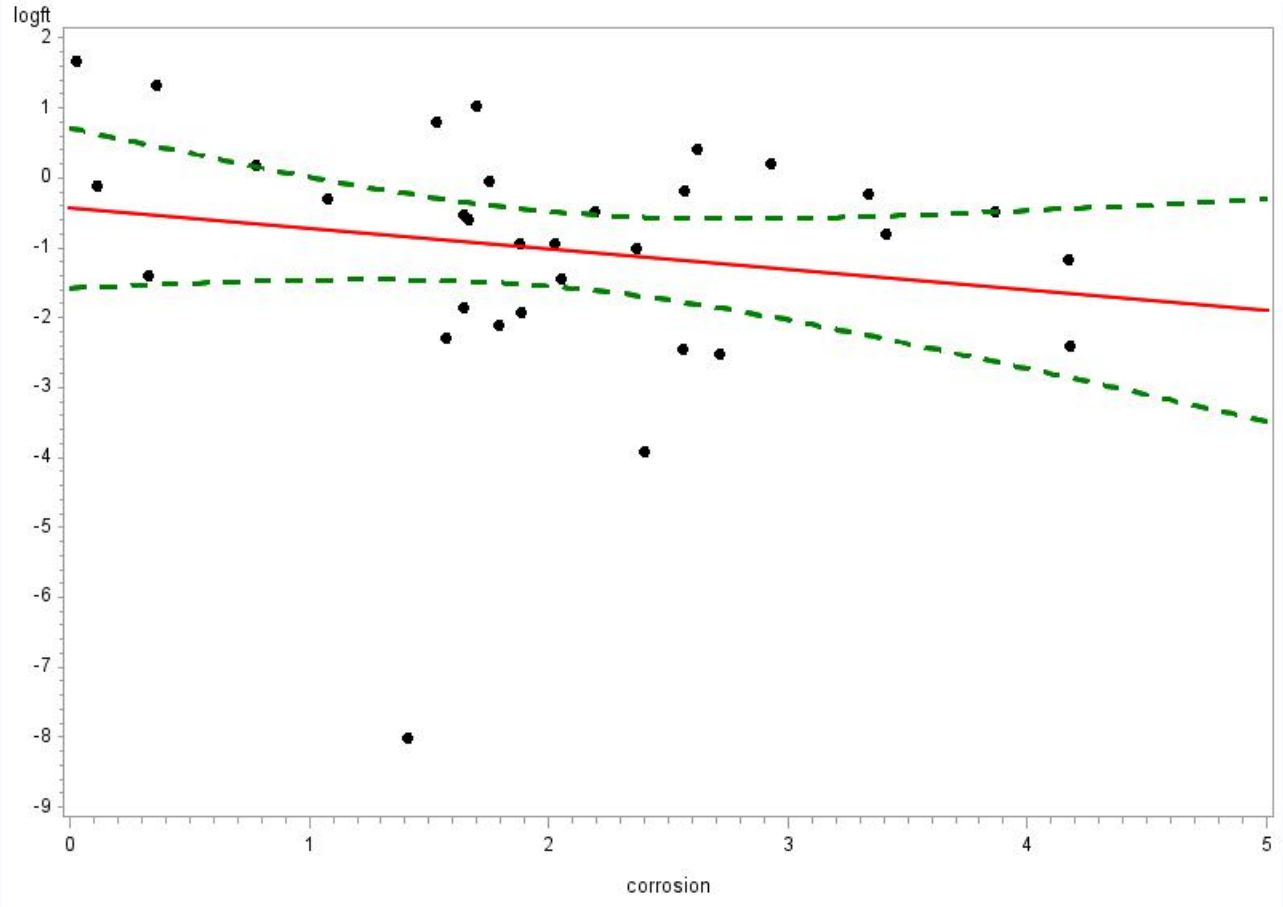
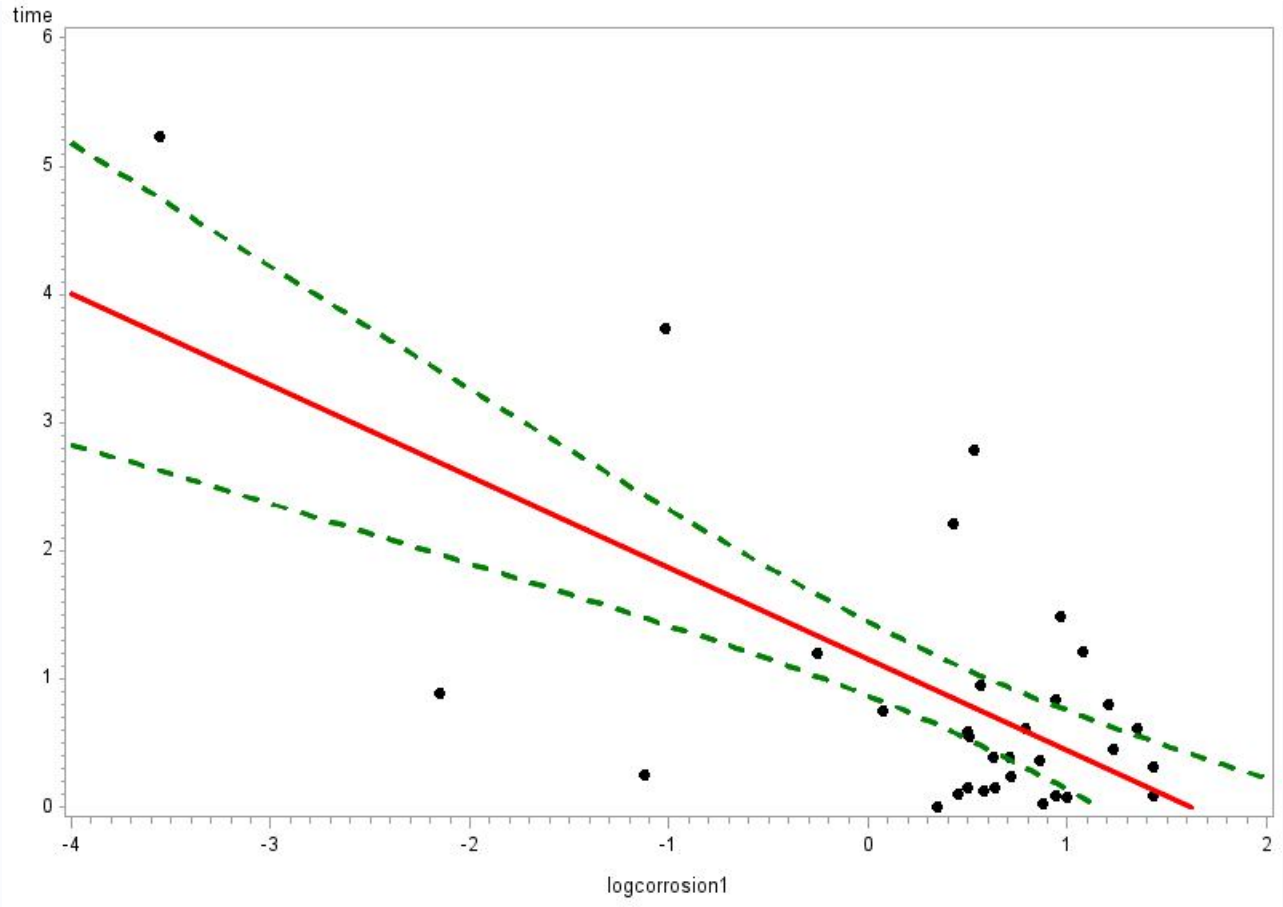
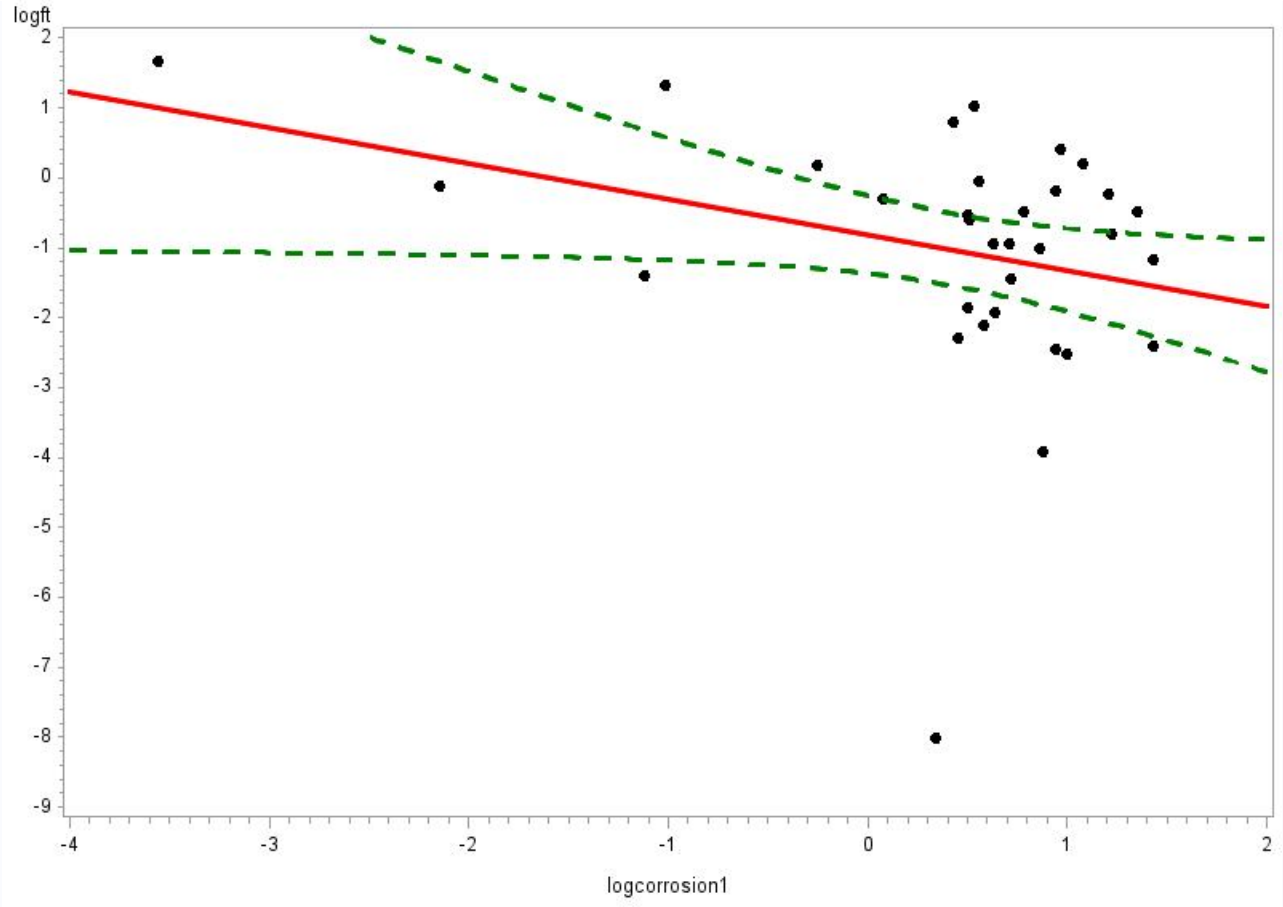

time
6
5
4
3
2
1
0
0
1
2
3
4
5
corrosion


logft
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
0
1
2
3
4
5
corrosion


time
6
5
4
3
2
1
0
-4
-3
-2
-1
0
1
2
logcorrosion1


logft
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-4
-3
-2
-1
0
1
2
logcorrosion1

The SAS System

The LIFEREG Procedure

Model Information	
Data Set	WORK.MYDATA1
Dependent Variable	Log(time)
Number of Observations	32
Noncensored Values	32
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-55.3984948

Number of Observations Read	33
Number of Observations Used	32
Missing Values	1

Parameter Information	
Parameter	Effect
Intercept	Intercept
corrosion	corrosion

Fit Statistics	
-2 Log Likelihood	110.797
AIC (smaller is better)	114.797
AICC (smaller is better)	115.211
BIC (smaller is better)	117.728

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	45.470
Exponential AIC (smaller is better)	49.470
Exponential AICC (smaller is better	49.884
Exponential BIC (smaller is better)	52.401

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
corrosion	1	9.1784	0.0024

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	0.6184	0.3479	-0.0636	1.3004	3.16	0.0755
corrosion	1	-0.4503	0.1486	-0.7416	-0.1590	9.18	0.0024
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.4269	0.5135

Estimated Covariance Matrix			
	Intercept	corrosion	Scale
Intercept	0.121065	-0.044544	0

corrosion	-0.044544	0.022091	0
Scale	0	0	0

The SAS System

The LIFEREG Procedure

Model Information	
Data Set	WORK.MYDATA1
Dependent Variable	Log(time)
Number of Observations	32
Noncensored Values	32
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-54.37371518

Number of Observations Read	33
Number of Observations Used	32
Missing Values	1

Parameter Information	
Parameter	Effect
Intercept	Intercept
logcorrosion	logcorrosion

Fit Statistics	
-2 Log Likelihood	108.747
AIC (smaller is better)	112.747
AICC (smaller is better)	113.161
BIC (smaller is better)	115.679

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	43.420
Exponential AIC (smaller is better)	47.420
Exponential AICC (smaller is better	47.834
Exponential BIC (smaller is better)	50.352

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
logcorrosion	1	7.3955	0.0065

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-0.1249	0.1910	-0.4992	0.2495	0.43	0.5132
logcorrosion	1	0.4792	0.1762	0.1338	0.8246	7.40	0.0065
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.2841	0.5940

Estimated Covariance Matrix			
	Intercept	logcorrosion	Scale
Intercept	0.036481	0.012744	0

logcorrosion	0.012744	0.031051	0
Scale	0	0	0

The SAS System

Obs	time	corrosion	logcorrosion	logcorrosion1	logft	_PROB_	predict	phi	stde
1	5.23124	0.02857	3.55555	-3.55555	1.65465	0.5	3.36175	1.57897	2.42339
2	0.88374	0.11645	2.15033	-2.15033	-0.12359	0.5	1.71441	0.90558	0.83086
3	0.24582	0.32556	1.12220	-1.12220	-1.40314	0.5	1.04747	0.41289	0.33810
4	3.73751	0.36188	1.01645	-1.01645	1.31842	0.5	0.99572	0.36222	0.30604
5	1.19355	0.77290	0.25761	-0.25761	0.17693	0.5	0.69216	-0.00142	0.14701
6	0.74445	1.07671	-0.07391	0.07391	-0.29511	0.5	0.59049	-0.16029	0.11010
7	0.00033	1.40807	-0.34222	0.34222	-8.01136	0.5	0.51925	-0.28887	0.09200
8	2.21263	1.53019	-0.42539	0.42539	0.79418	0.5	0.49896	-0.32873	0.08821
9	0.09989	1.56819	-0.44992	0.44992	-2.30369	0.5	0.49312	-0.34048	0.08724
10	0.15701	1.64421	-0.49726	0.49726	-1.85143	0.5	0.48207	-0.36316	0.08554
11	0.59388	1.64441	-0.49738	0.49738	-0.52108	0.5	0.48204	-0.36322	0.08553
12	0.54508	1.66461	-0.50959	0.50959	-0.60683	0.5	0.47922	-0.36907	0.08513
13	2.78271	1.69701	-0.52887	0.52887	1.02343	0.5	0.47482	-0.37831	0.08452
14	0.95551	1.74957	-0.55937	0.55937	-0.04551	0.5	0.46793	-0.39293	0.08363
15	0.12055	1.78876	-0.58153	0.58153	-2.11570	0.5	0.46299	-0.40354	0.08303
16	0.38857	1.87776	-0.63008	0.63008	-0.94529	0.5	0.45234	-0.42681	0.08186
17	0.14556	1.88814	-0.63559	0.63559	-1.92716	0.5	0.45114	-0.42945	0.08174
18	0.39275	2.02601	-0.70607	0.70607	-0.93459	0.5	0.43616	-0.46323	0.08038
19	0.23401	2.05150	-0.71857	0.71857	-1.45238	0.5	0.43356	-0.46922	0.08018
20	0.61334	2.19012	-0.78395	0.78395	-0.48884	0.5	0.42018	-0.50055	0.07926
21	0.35973	2.36558	-0.86102	0.86102	-1.02241	0.5	0.40495	-0.53748	0.07847
22	0.02001	2.39948	-0.87525	0.87525	-3.91136	0.5	0.40220	-0.54430	0.07836
23	0.08535	2.56172	-0.94068	0.94068	-2.46099	0.5	0.38978	-0.57565	0.07794
24	0.83788	2.56529	-0.94207	0.94207	-0.17688	0.5	0.38952	-0.57632	0.07793
25	1.49181	2.62079	-0.96347	0.96347	0.39999	0.5	0.38555	-0.58658	0.07783
26	0.08067	2.71644	-0.99932	0.99932	-2.51738	0.5	0.37898	-0.60376	0.07768
27	1.21000	2.92964	-1.07488	1.07488	0.19062	0.5	0.36550	-0.63996	0.07750
28	0.79852	3.33796	-1.20536	1.20536	-0.22500	0.5	0.34335	-0.70249	0.07744
29	0.45019	3.40659	-1.22571	1.22571	-0.79808	0.5	0.34002	-0.71224	0.07745
30	0.60979	3.86110	-1.35095	1.35095	-0.49464	0.5	0.32021	-0.77226	0.07759
31	0.30817	4.16831	-1.42751	1.42751	-1.17711	0.5	0.30868	-0.80895	0.07771
32	0.08962	4.17896	-1.43006	1.43006	-2.41218	0.5	0.30830	-0.81017	0.07771
33	.	.	.	.	.	0.5	.	.	.