STATS ASSESSMENT NUMERICAL RESULTS.

Contents

1 Experiment 2A

1.1 slice: test+lang, variables: size

Fold: bible-ka.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.6357
poly2	*nan*	0.1459
poly3	*nan*	0.1090
exp	*nan*	0.6921
log	*nan*	0.1946
power	*nan*	0.3999
mult	*nan*	0.3999
hybrid mult	*nan*	0.5659
scaling	*nan*	0.2732

models	AIC of model	BIC of model
linear	48.1628	49.7463
poly2	47.7391	49.3226
poly3	47.9793	49.5629
exp	47.9420	49.5255
log	47.7992	49.3827
power	47.7552	49.3387
mult	47.7552	49.3387
hybrid mult	48.0494	49.6329
scaling	47.7407	49.3242

models	LogLikelyhood	R2 coefficient
linear	-23.0814	-0.0229
poly2	-22.8695	0.0468
poly3	-22.9897	0.0079
exp	-22.9710	0.0140
log	-22.8996	0.0372
power	-22.8776	0.0443
mult	-22.8776	0.0443
hybrid mult	-23.0247	-0.0038
scaling	-22.8703	0.0466

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.4725	0.3760
poly2	0.3233	0.0734
poly3	0.3391	0.0386
exp	0.9147	0.8172
log	0.3504	0.1939
power	0.3250	0.2709
mult	0.3250	0.2709
hybrid mult	0.4156	0.3406
scaling	0.2557	0.1548

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	X
exp	not F	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: flores-hi.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.8426
poly2	*nan*	0.8449
poly3	*nan*	0.4041
exp	*nan*	0.2154
log	*nan*	0.0345
power	*nan*	0.7704
mult	*nan*	0.7704
hybrid mult	*nan*	0.7875
scaling	*nan*	0.7704

models	AIC of model	BIC of model
linear	46.9945	48.8863
poly2	46.5508	48.4426
poly3	45.6180	47.5098
exp	46.3998	48.2916
log	46.9811	48.8729
power	46.0695	47.9613
mult	46.0695	47.9613
hybrid mult	46.1355	48.0273
scaling	46.0695	47.9613

models	LogLikelyhood	R2 coefficient
linear	-22.4973	0.2471
poly2	-22.2754	0.2933
poly3	-21.8090	0.3815
exp	-22.1999	0.3084
log	-22.4905	0.2485
power	-22.0347	0.3403
mult	-22.0347	0.3403
hybrid mult	-22.0677	0.3340
scaling	-22.0347	0.3403

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.7007	0.5438
poly2	0.3629	0.3210
poly3	0.0280	0.0886
exp	0.5186	0.2963
log	0.0101	0.0070
power	0.2802	0.2784
mult	0.2802	0.2784
hybrid mult	0.3065	0.2968
scaling	0.2802	0.2784

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	X	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: gov-ka.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.9029
poly2	*nan*	0.2331
poly3	*nan*	0.1630
exp	*nan*	0.8423
log	*nan*	0.3297
power	*nan*	0.6771
mult	*nan*	0.6771
hybrid mult	*nan*	0.8569
scaling	*nan*	0.4813

models	AIC of model	BIC of model
linear	50.7680	52.3515
poly2	50.3278	51.9113
poly3	50.5054	52.0889
exp	50.6614	52.2450
log	50.4257	52.0092
power	50.4211	52.0046
mult	50.4211	52.0046
hybrid mult	50.6688	52.2523
scaling	50.3819	51.9654

models	LogLikelyhood	R2 coefficient
linear	-24.3840	0.0259
poly2	-24.1639	0.0948
poly3	-24.2527	0.0677
exp	-24.3307	0.0431
log	-24.2129	0.0800
power	-24.2105	0.0807
mult	-24.2105	0.0807
hybrid mult	-24.3344	0.0419
scaling	-24.1910	0.0866

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.7108	0.6880
poly2	0.5289	0.3176
poly3	0.4631	0.1398
exp	0.8246	0.8445
log	0.5521	0.4521
power	0.6317	0.6357
mult	0.6317	0.6357
hybrid mult	0.7274	0.7184
scaling	0.4946	0.4397

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: flores-gu.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.8140
poly2	*nan*	0.1497
poly3	*nan*	0.1015
exp	*nan*	0.9139
log	*nan*	0.1653
power	*nan*	0.5953
mult	*nan*	0.5953
hybrid mult	*nan*	0.6661
scaling	*nan*	0.4238

models	AIC of model	BIC of model
linear	42.6895	44.2730
poly2	41.4063	42.9899
poly3	41.8020	43.3856
exp	42.0915	43.6750
log	41.9549	43.5385
power	41.5865	43.1700
mult	41.5865	43.1700
hybrid mult	42.1906	43.7741
scaling	41.5229	43.1065

models	LogLikelyhood	R2 coefficient
linear	-20.3448	-0.1176
poly2	-19.7032	0.0976
poly3	-19.9010	0.0361
exp	-20.0457	-0.0116
log	-19.9775	0.0112
power	-19.7932	0.0701
mult	-19.7932	0.0701
hybrid mult	-20.0953	-0.0284
scaling	-19.7615	0.0799

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.4730	0.3460
poly2	0.2528	0.0347
poly3	0.3379	0.0445
exp	0.9058	0.7575
log	0.2295	0.0453
power	0.3148	0.2349
mult	0.3148	0.2349
hybrid mult	0.3826	0.2758
scaling	0.2315	0.1367

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	X
poly3	not F	X
exp	not F	not F
log	not F	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: gov-gu.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.2987
poly2	*nan*	0.0761
poly3	*nan*	0.0919
exp	*nan*	0.3200
log	*nan*	0.0803
power	*nan*	0.1362
mult	*nan*	0.1362
hybrid mult	*nan*	0.2512
scaling	*nan*	0.0950

models	AIC of model	BIC of model
linear	51.9293	53.5128
poly2	51.9838	53.5673
poly3	52.0628	53.6464
exp	51.8590	53.4425
log	51.7385	53.3221
power	51.8360	53.4196
mult	51.8360	53.4196
hybrid mult	51.8693	53.4528
scaling	51.8515	53.4350

models	LogLikelyhood	R2 coefficient
linear	-24.9647	-0.0132
poly2	-24.9919	-0.0225
poly3	-25.0314	-0.0360
exp	-24.9295	-0.0014
log	-24.8693	0.0185
power	-24.9180	0.0024
mult	-24.9180	0.0024
hybrid mult	-24.9346	-0.0031
scaling	-24.9257	-0.0002

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.4918	0.4061
poly2	0.3616	0.0415
poly3	0.4062	0.0682
exp	0.7755	0.6828
log	0.3506	0.1770
power	0.2189	0.1007
mult	0.2189	0.1007
hybrid mult	0.4320	0.3647
scaling	0.1981	0.0341

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	X
poly3	not F	not F
exp	not F	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	X

Fold: gov-si.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.8709
poly2	*nan*	0.8644
poly3	*nan*	0.2262
exp	*nan*	0.5706
log	*nan*	0.0607
power	*nan*	0.6467
mult	*nan*	0.6467
hybrid mult	*nan*	0.8681
scaling	*nan*	0.6467

models	AIC of model	BIC of model
linear	62.3988	64.2907
poly2	62.4546	64.3465
poly3	62.2760	64.1678
exp	62.1912	64.0831
log	63.0584	64.9502
power	62.5792	64.4710
mult	62.5792	64.4710
hybrid mult	62.3908	64.2826
scaling	62.5792	64.4710

models	LogLikelyhood	R2 coefficient
linear	-30.1994	0.2663
poly2	-30.2273	0.2604
poly3	-30.1380	0.2790
exp	-30.0956	0.2877
log	-30.5292	0.1938
power	-30.2896	0.2471
mult	-30.2896	0.2471
hybrid mult	-30.1954	0.2671
scaling	-30.2896	0.2471

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.3224	0.4095
poly2	0.2632	0.3371
poly3	0.0008	0.0590
exp	0.9072	0.9969
log	0.0297	0.0065
power	0.0957	0.1504
mult	0.0957	0.1504
hybrid mult	0.2852	0.3740
scaling	0.0957	0.1504

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	not F	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: gov-hi.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.6820
poly2	*nan*	0.7748
poly3	*nan*	0.1264
exp	*nan*	0.4967
log	*nan*	0.1205
power	*nan*	0.6415
mult	*nan*	0.6415
hybrid mult	*nan*	0.6946
scaling	*nan*	0.6415

models	AIC of model	BIC of model
linear	58.6478	60.5396
poly2	58.7795	60.6714
poly3	58.5520	60.4438
exp	58.3507	60.2426
log	59.1689	61.0607
power	58.8173	60.7091
mult	58.8173	60.7091
hybrid mult	58.6627	60.5546
scaling	58.8173	60.7092

models	LogLikelyhood	R2 coefficient
linear	-28.3239	0.2017
poly2	-28.3898	0.1866
poly3	-28.2760	0.2126
exp	-28.1754	0.2349
log	-28.5844	0.1400
power	-28.4087	0.1822
mult	-28.4087	0.1822
hybrid mult	-28.3314	0.2000
scaling	-28.4087	0.1822

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.3094	0.3404
poly2	0.2265	0.2643
poly3	0.0002	0.0074
exp	0.7625	0.7925
log	0.0400	0.0270
power	0.0834	0.1464
mult	0.0834	0.1464
hybrid mult	0.2252	0.2643
scaling	0.0834	0.1464

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	X
exp	not F	not F
log	not F	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: bible-hi.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.0358
poly2	*nan*	0.3783
poly3	*nan*	0.2554
exp	*nan*	0.0325
log	*nan*	0.0546
power	*nan*	0.0685
mult	*nan*	0.0685
hybrid mult	*nan*	0.0416
scaling	*nan*	0.0581

models	AIC of model	BIC of model
linear	57.4602	59.3520
poly2	56.6876	58.5794
poly3	56.5562	58.4480
exp	57.3971	59.2889
log	57.4184	59.3102
power	57.5023	59.3941
mult	57.5023	59.3941
hybrid mult	57.4647	59.3565
scaling	57.4631	59.3550

models	LogLikelyhood	R2 coefficient
linear	-27.7301	-0.0690
poly2	-27.3438	0.0427
poly3	-27.2781	0.0605
exp	-27.6986	-0.0594
log	-27.7092	-0.0626
power	-27.7511	-0.0754
mult	-27.7511	-0.0754
hybrid mult	-27.7324	-0.0697
scaling	-27.7316	-0.0694

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.1952	0.0174
poly2	0.0432	0.0897
poly3	0.0019	0.0767
exp	0.1749	0.0108
log	0.5329	0.4023
power	0.6968	0.5159
mult	0.6968	0.5159
hybrid mult	0.2700	0.0700
scaling	0.6570	0.6705

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	not F	not F
poly3	not F	not F
exp	X	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	X	not F
scaling	not F	not F

Fold: gov-ta.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.7844
poly2	*nan*	0.7776
poly3	*nan*	0.1555
exp	*nan*	0.5645
log	*nan*	0.0774
power	*nan*	0.6968
mult	*nan*	0.6968
hybrid mult	*nan*	0.7634
scaling	*nan*	0.6968

models	AIC of model	BIC of model
linear	59.9527	61.8446
poly2	60.0320	61.9238
poly3	59.7456	61.6374
exp	59.6578	61.5496
log	60.5835	62.4753
power	60.1194	62.0113
mult	60.1194	62.0113
hybrid mult	59.9650	61.8568
scaling	60.1194	62.0113

models	LogLikelyhood	R2 coefficient
linear	-28.9764	0.2343
poly2	-29.0160	0.2256
poly3	-28.8728	0.2567
exp	-28.8289	0.2659
log	-29.2918	0.1621
power	-29.0597	0.2159
mult	-29.0597	0.2159
hybrid mult	-28.9825	0.2330
scaling	-29.0597	0.2159

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.3009	0.3591
poly2	0.2490	0.2993
poly3	0.0005	0.0167
exp	0.8083	0.8686
log	0.0370	0.0197
power	0.0932	0.1610
mult	0.0932	0.1610
hybrid mult	0.2391	0.2974
scaling	0.0932	0.1610

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	X
exp	not F	not F
log	not F	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: bible-ta.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.0314
poly2	*nan*	0.2811
poly3	*nan*	0.1586
exp	*nan*	0.0229
log	*nan*	0.0739
power	*nan*	0.0862
mult	*nan*	0.0862
hybrid mult	*nan*	0.0567
scaling	*nan*	0.0785

models	AIC of model	BIC of model
linear	57.6922	59.5841
poly2	56.8410	58.7328
poly3	56.6107	58.5025
exp	57.6264	59.5182
log	57.6651	59.5569
power	57.7057	59.5976
mult	57.7057	59.5976
hybrid mult	57.7049	59.5967
scaling	57.6513	59.5431

models	LogLikelyhood	R2 coefficient
linear	-27.8461	-0.0652
poly2	-27.4205	0.0568
poly3	-27.3053	0.0873
exp	-27.8132	-0.0552
log	-27.8325	-0.0610
power	-27.8529	-0.0672
mult	-27.8529	-0.0672
hybrid mult	-27.8525	-0.0671
scaling	-27.8257	-0.0589

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.1641	0.0066
poly2	0.0184	0.0303
poly3	0.0009	0.0084
exp	0.1315	0.0007
log	0.5316	0.4074
power	0.5580	0.3827
mult	0.5580	0.3827
hybrid mult	0.2781	0.0757
scaling	0.9767	0.9855

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	not F	X
poly3	not F	X
exp	X	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: bible-gu.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.4876
poly2	*nan*	0.1897
poly3	*nan*	0.1917
exp	*nan*	0.4416
log	*nan*	0.0802
power	*nan*	0.2039
mult	*nan*	0.2039
hybrid mult	*nan*	0.3672
scaling	*nan*	0.1388

models	AIC of model	BIC of model
linear	47.5051	49.0886
poly2	47.6587	49.2423
poly3	47.6752	49.2587
exp	47.3103	48.8938
log	47.1505	48.7340
power	47.2683	48.8518
mult	47.2683	48.8518
hybrid mult	47.3977	48.9812
scaling	47.2924	48.8760

models	LogLikelyhood	R2 coefficient
linear	−22.7525	−0.0525
poly2	−22.8294	−0.0798
poly3	−22.8376	−0.0828
exp	−22.6551	−0.0189
log	−22.5752	0.0079
power	−22.6341	−0.0118
mult	−22.6341	−0.0118
hybrid mult	−22.6988	−0.0338
scaling	−22.6462	−0.0159

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.4545	0.3396
poly2	0.4577	0.1557
poly3	0.4738	0.1649
exp	0.7294	0.5887
log	0.2494	0.0403
power	0.2030	0.0924
mult	0.2030	0.0924
hybrid mult	0.3586	0.2612
scaling	0.1957	0.0506

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	not F	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: bible-si.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.0199
poly2	*nan*	0.2830
poly3	*nan*	0.1479
exp	*nan*	0.0196
log	*nan*	0.0432
power	*nan*	0.0529
mult	*nan*	0.0529
hybrid mult	*nan*	0.0283
scaling	*nan*	0.0524

models	AIC of model	BIC of model
linear	60.7026	62.5944
poly2	59.9203	61.8121
poly3	59.9307	61.8225
exp	60.7051	62.5969
log	60.7793	62.6711
power	60.8475	62.7393
mult	60.8475	62.7393
hybrid mult	60.7785	62.6704
scaling	60.8228	62.7146

models	LogLikelyhood	R2 coefficient
linear	-29.3513	-0.0282
poly2	-28.9601	0.0806
poly3	-28.9654	0.0792
exp	-29.3526	-0.0285
log	-29.3897	-0.0395
power	-29.4237	-0.0497
mult	-29.4237	-0.0497
hybrid mult	-29.3893	-0.0394
scaling	-29.4114	-0.0460

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.1455	0.0006
poly2	0.0159	0.0328
poly3	0.0005	0.0184
exp	0.1448	0.0005
log	0.3913	0.1862
power	0.5006	0.2702
mult	0.5006	0.2702
hybrid mult	0.2195	0.0160
scaling	0.9482	0.9088

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	not F	X
poly3	not F	X
exp	X	not F
log	X	not F
power	not F	not F
mult	not F	not F
hybrid mult	X	not F
scaling	not F	not F

Fold: flores-si.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.8593
poly2	*nan*	0.8545
poly3	*nan*	0.7709
exp	*nan*	0.0827
log	*nan*	0.0451
power	*nan*	0.8474
mult	*nan*	0.8474
hybrid mult	*nan*	0.8181
scaling	*nan*	0.8474

models	AIC of model	BIC of model
linear	40.5990	42.4909
poly2	40.1346	42.0264
poly3	39.6771	41.5689
exp	41.2475	43.1394
log	40.8001	42.6919
power	39.7669	41.6587
mult	39.7669	41.6587
hybrid mult	39.3724	41.2642
scaling	39.7669	41.6587

models	LogLikelyhood	R2 coefficient
linear	-19.2995	0.2988
poly2	-19.0673	0.3438
poly3	-18.8386	0.3853
exp	-19.6238	0.2307
log	-19.4001	0.2784
power	-18.8835	0.3774
mult	-18.8835	0.3774
hybrid mult	-18.6862	0.4115
scaling	-18.8835	0.3774

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.7957	0.6039
poly2	0.4151	0.3411
poly3	0.2359	0.2524
exp	0.4937	0.1184
log	0.0180	0.0072
power	0.3678	0.3468
mult	0.3678	0.3468
hybrid mult	0.1732	0.2338
scaling	0.3678	0.3468

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	X	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: flores-ka.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.9935
poly2	*nan*	0.6025
poly3	*nan*	0.4267
exp	*nan*	0.8680
log	*nan*	0.5040
power	*nan*	0.9499
mult	*nan*	0.9499
hybrid mult	*nan*	0.9005
scaling	*nan*	0.9338

models	AIC of model	BIC of model
linear	38.2134	39.7969
poly2	37.3533	38.9368
poly3	37.3228	38.9063
exp	38.9476	40.5311
log	37.7223	39.3058
power	37.7684	39.3519
mult	37.7684	39.3519
hybrid mult	37.6174	39.2009
scaling	37.7029	39.2864

models	LogLikelyhood	R2 coefficient
linear	-18.1067	0.1648
poly2	-17.6767	0.2763
poly3	-17.6614	0.2800
exp	-18.4738	0.0561
log	-17.8612	0.2304
power	-17.8842	0.2245
mult	-17.8842	0.2245
hybrid mult	-17.8087	0.2438
scaling	-17.8514	0.2329

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.8865	0.8452
poly2	0.8121	0.8486
poly3	0.6724	0.5216
exp	0.7625	0.8097
log	0.9277	0.9788
power	0.9464	0.9491
mult	0.9464	0.9491
hybrid mult	0.9767	0.9999
scaling	0.9171	0.9270

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: flores-ta.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	*nan*	0.9587
poly2	*nan*	0.9323
poly3	*nan*	0.9343
exp	*nan*	0.1804
log	*nan*	0.2192
power	*nan*	0.1804
mult	*nan*	0.1804
hybrid mult	*nan*	0.4581
scaling	*nan*	0.8760

models	AIC of model	BIC of model
linear	36.1794	38.0712
poly2	35.9835	37.8753
poly3	35.7870	37.6788
exp	47.5116	49.4034
log	37.6364	39.5283
power	47.5116	49.4034
mult	47.5116	49.4034
hybrid mult	35.2078	37.0996
scaling	35.5852	37.4770

models	LogLikelyhood	R2 coefficient
linear	-17.0897	0.4799
poly2	-16.9917	0.4942
poly3	-16.8935	0.5082
exp	-22.7558	-1.6254
log	-17.8182	0.3595
power	-22.7558	-1.6254
mult	-22.7558	-1.6254
hybrid mult	-16.6039	0.5473
scaling	-16.7926	0.5222

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.6915	0.5568
poly2	0.5198	0.4336
poly3	0.4581	0.4047
exp	0.2426	0.1550
log	0.0233	0.1030
power	0.2426	0.1550
mult	0.2426	0.1550
hybrid mult	0.1026	0.1625
scaling	0.3574	0.3443

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

1.2 slice: test, variables: size

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0202	0.0380
poly2	0.0305	0.0414
poly3	0.0001	0.0018
exp	0.0008	0.0069
log	0.0003	0.0010
power	0.0196	0.0193
mult	0.0196	0.0193
hybrid mult	0.0199	0.0368
scaling	0.0196	0.0193

models	AIC of model	BIC of model
linear	277.3137	282.3067
poly2	277.6135	282.6065
poly3	276.4056	281.3986
exp	276.0516	281.0446
log	279.2924	284.2854
power	277.9578	282.9508
mult	277.9578	282.9508
hybrid mult	277.3228	282.3158
scaling	277.9578	282.9508

models	LogLikelyhood	R2 coefficient
linear	-137.6568	0.1801
poly2	-137.8068	0.1726
poly3	-137.2028	0.2024
exp	-137.0258	0.2109
log	-138.6462	0.1295
power	-137.9789	0.1640
mult	-137.9789	0.1640
hybrid mult	-137.6614	0.1799
scaling	-137.9789	0.1640

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.3338	0.3994
poly2	0.1740	0.2079
poly3	0.0643	0.0826
exp	0.1321	0.1083
log	0.0080	0.0003
power	0.0113	0.0209
mult	0.0113	0.0209
hybrid mult	0.1865	0.2429
scaling	0.0113	0.0209

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	X	not F
poly3	X	not F
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	not F
scaling	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0003	0.0004
poly2	0.0070	0.0240
poly3	0.0006	0.0060
exp	0.0007	0.0001
log	0.0000	0.0006
power	0.0000	0.0009
mult	0.0000	0.0009
hybrid mult	0.0001	0.0005
scaling	0.0000	0.0007

models	AIC of model	BIC of model
linear	266.0077	271.0007
poly2	262.6917	267.6847
poly3	261.8767	266.8697
exp	265.4684	270.4615
log	264.9810	269.9740
power	265.2913	270.2844
mult	265.2913	270.2844
hybrid mult	265.5598	270.5528
scaling	265.0313	270.0243

models	LogLikelyhood	R2 coefficient
linear	-132.0038	-0.0756
poly2	-130.3458	0.0273
poly3	-129.9383	0.0510
exp	-131.7342	-0.0581
log	-131.4905	-0.0426
power	-131.6457	-0.0525
mult	-131.6457	-0.0525
hybrid mult	-131.7799	-0.0611
scaling	-131.5156	-0.0442

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0063	0.0000
poly2	0.0337	0.1662
poly3	0.0963	0.2491
exp	0.0009	0.0000
log	0.1229	0.0031
power	0.1463	0.0051
mult	0.1463	0.0051
hybrid mult	0.0209	0.0001
scaling	0.4577	0.0791

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	not F
exp	X	X
log	X	not F
power	X	not F
mult	X	not F
hybrid mult	X	X
scaling	X	not F

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.5731	0.2923
poly2	0.7812	0.6056
poly3	0.4568	0.3730
exp	0.1114	0.0052
log	0.3537	0.1593
power	0.5620	0.4555
mult	0.5620	0.4555
hybrid mult	0.5602	0.4548
scaling	0.5955	0.5010

models	AIC of model	BIC of model
linear	208.9745	213.9675
poly2	206.0813	211.0743
poly3	203.5481	208.5412
exp	208.6416	213.6346
log	206.5070	211.5000
power	204.6238	209.6168
mult	204.6238	209.6168
hybrid mult	204.3834	209.3764
scaling	204.5954	209.5884

models	LogLikelyhood	R2 coefficient
linear	-103.4872	0.1096
poly2	-102.0407	0.1844
poly3	-100.7741	0.2446
exp	-103.3208	0.1186
log	-102.2535	0.1738
power	-101.3119	0.2196
mult	-101.3119	0.2196
hybrid mult	-101.1917	0.2253
scaling	-101.2977	0.2203

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.3230	0.2756
poly2	0.5834	0.6777
poly3	0.3497	0.3842
exp	0.0016	0.0001
log	0.9066	0.7998
power	0.2330	0.2633
mult	0.2330	0.2633
hybrid mult	0.2343	0.2630
scaling	0.2993	0.3268

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	X	X
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

1.3   slice: lang, variables: size

Fold: si.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1984	0.0209
poly2	0.0922	0.0180
poly3	0.0538	0.0101
exp	0.1792	0.0057
log	0.0689	0.0078
power	0.0996	0.0142
mult	0.0996	0.0142
hybrid mult	0.1522	0.0182
scaling	0.0692	0.0115

models	AIC of model	BIC of model
linear	180.2999	184.3890
poly2	180.5838	184.6729
poly3	179.8566	183.9456
exp	180.0406	184.1296
log	179.9063	183.9953
power	179.7810	183.8701
mult	179.7810	183.8701
hybrid mult	180.1117	184.2008
scaling	179.8661	183.9551

models	LogLikelyhood	R2 coefficient
linear	−89.1500	0.0125
poly2	−89.2919	−0.0009
poly3	−88.9283	0.0332
exp	−89.0203	0.0247
log	−88.9531	0.0309
power	−88.8905	0.0366
mult	−88.8905	0.0366
hybrid mult	−89.0559	0.0213
scaling	−88.9330	0.0327

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0289	0.0130
poly2	0.1464	0.0568
poly3	0.1030	0.0179
exp	0.0019	0.0012
log	0.0655	0.0108
power	0.0429	0.0131
mult	0.0429	0.0131
hybrid mult	0.0312	0.0118
scaling	0.0848	0.0199

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	not F
poly3	X	not F
exp	X	X
log	X	not F
power	X	X
mult	X	X
hybrid mult	X	X
scaling	X	not F

Fold: gu.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.4665	0.5181
poly2	0.1952	0.0845
poly3	0.1945	0.0756
exp	0.4204	0.2885
log	0.2107	0.1046
power	0.2954	0.3195
mult	0.2954	0.3195
hybrid mult	0.3908	0.4539
scaling	0.2577	0.2264

models	AIC of model	BIC of model
linear	142.8372	146.6179
poly2	142.8324	146.6132
poly3	143.1978	146.9786
exp	142.3608	146.1416
log	141.9604	145.7412
power	142.1679	145.9486
mult	142.1679	145.9486
hybrid mult	142.5667	146.3475
scaling	142.2116	145.9923

models	LogLikelyhood	R2 coefficient
linear	-70.4186	-0.0361
poly2	-70.4162	-0.0359
poly3	-70.5989	-0.0571
exp	-70.1804	-0.0091
log	-69.9802	0.0131
power	-70.0839	0.0017
mult	-70.0839	0.0017
hybrid mult	-70.2834	-0.0207
scaling	-70.1058	-0.0007

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.2724	0.3066
poly2	0.4100	0.5288
poly3	0.4628	0.6154
exp	0.1491	0.1120
log	0.1589	0.1316
power	0.2506	0.2818
mult	0.2506	0.2818
hybrid mult	0.2295	0.2565
scaling	0.3149	0.3306

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: ka.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.6824	0.4602
poly2	0.2823	0.0787
poly3	0.2209	0.0520
exp	0.4938	0.1803
log	0.2973	0.0982
power	0.4456	0.2778
mult	0.4456	0.2778
hybrid mult	0.5719	0.3884
scaling	0.3821	0.2108

models	AIC of model	BIC of model
linear	140.9911	144.7718
poly2	139.0897	142.8705
poly3	139.5268	143.3076
exp	140.3109	144.0917
log	139.8635	143.6443
power	139.4975	143.2782
mult	139.4975	143.2782
hybrid mult	140.4319	144.2127
scaling	139.3516	143.1324

models	LogLikelyhood	R2 coefficient
linear	-69.4955	-0.0135
poly2	-68.5449	0.0881
poly3	-68.7634	0.0657
exp	-69.1555	0.0241
log	-68.9318	0.0481
power	-68.7487	0.0672
mult	-68.7487	0.0672
hybrid mult	-69.2160	0.0175
scaling	-68.6758	0.0748

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.4687	0.3890
poly2	0.2451	0.2252
poly3	0.4893	0.4089
exp	0.1132	0.0759
log	0.2804	0.2608
power	0.1758	0.1812
mult	0.1758	0.1812
hybrid mult	0.3269	0.2888
scaling	0.2199	0.2218

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	not F	not F
exp	not F	not F
log	not F	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	not F	not F

Fold: hi.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.3041	0.1965
poly2	0.1137	0.0627
poly3	0.0272	0.0194
exp	0.2279	0.0583
log	0.0278	0.0217
power	0.0902	0.0937
mult	0.0902	0.0937
hybrid mult	0.1930	0.1697
scaling	0.0497	0.0412

models	AIC of model	BIC of model
linear	168.2621	172.3511
poly2	168.8534	172.9425
poly3	167.6760	171.7650
exp	167.7445	171.8335
log	167.7150	171.8041
power	167.4936	171.5827
mult	167.4936	171.5827
hybrid mult	168.0031	172.0921
scaling	167.6468	171.7359

models	LogLikelyhood	R2 coefficient
linear	-83.1310	0.0016
poly2	-83.4267	-0.0269
poly3	-82.8380	0.0291
exp	-82.8723	0.0259
log	-82.8575	0.0273
power	-82.7468	0.0375
mult	-82.7468	0.0375
hybrid mult	-83.0015	0.0139
scaling	-82.8234	0.0305

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.2033	0.2164
poly2	0.9417	0.7254
poly3	0.8939	0.5462
exp	0.0296	0.0446
log	0.7642	0.4156
power	0.6059	0.3426
mult	0.6059	0.3426
hybrid mult	0.3232	0.2561
scaling	0.8878	0.4907

models	Normal Test	Homoscedasticity Test
linear	not F	not F
poly2	not F	not F
poly3	X	not F
exp	not F	X
log	X	not F
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F
scaling	X	not F

Fold: ta.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.2515	0.0349
poly2	0.1085	0.0263
poly3	0.0630	0.0118
exp	0.2041	0.0065
log	0.0675	0.0094
power	0.1171	0.0189
mult	0.1171	0.0189
hybrid mult	0.1809	0.0325
scaling	0.0837	0.0168

models	AIC of model	BIC of model
linear	172.1109	176.2000
poly2	172.1753	176.2644
poly3	171.3175	175.4066
exp	171.6275	175.7166
log	171.6889	175.7779
power	171.3326	175.4216
mult	171.3326	175.4216
hybrid mult	171.9117	176.0007
scaling	171.3904	175.4794

models	LogLikelyhood	R2 coefficient
linear	-85.0555	-0.0028
poly2	-85.0877	-0.0058
poly3	-84.6588	0.0344
exp	-84.8138	0.0201
log	-84.8444	0.0172
power	-84.6663	0.0337
mult	-84.6663	0.0337
hybrid mult	-84.9559	0.0067
scaling	-84.6952	0.0311

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0856	0.0253
poly2	0.1274	0.0626
poly3	0.0808	0.0179
exp	0.0055	0.0020
log	0.0796	0.0155
power	0.0801	0.0162
mult	0.0801	0.0162
hybrid mult	0.0938	0.0235
scaling	0.1055	0.0217

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	X	not F
poly3	X	not F
exp	X	X
log	X	not F
power	X	not F
mult	X	not F
hybrid mult	X	not F
scaling	X	not F

2 Experiment 2B

2.1 slice: lang, variables: jsd

Fold: si.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1264	0.0003
poly2	0.1261	0.0003
poly3	0.1254	0.0003
exp	0.0551	0.0003
log	0.0444	0.0007
power	0.0427	0.0005
mult	0.0427	0.0005
hybrid mult	0.0525	0.0003

models	AIC of model	BIC of model
linear	181.0148	185.1038
poly2	180.8649	184.9540
poly3	180.6884	184.7775
exp	159.4342	163.5233
log	148.6393	152.7284
power	107.9652	112.0542
mult	107.9652	112.0542
hybrid mult	109.4749	113.5640

models	LogLikelyhood	R2 coefficient
linear	-89.5074	-0.0217
poly2	-89.4325	-0.0144
poly3	-89.3442	-0.0059
exp	-78.7171	0.6344
log	-73.3197	0.7813
power	-52.9826	0.9685
mult	-52.9826	0.9685
hybrid mult	-53.7375	0.9661

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0000	0.0000
poly2	0.0000	0.0000
poly3	0.0000	0.0000
exp	0.0000	0.0000
log	0.0001	0.0000
power	0.0005	0.0000
mult	0.0005	0.0000
hybrid mult	0.0002	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: gu.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.2543	0.0078
poly2	0.2543	0.0078
poly3	0.2543	0.0078
exp	0.2174	0.0068
log	0.0224	0.0030
power	0.0567	0.0038
mult	0.0567	0.0038
hybrid mult	0.0785	0.0060

models	AIC of model	BIC of model
linear	142.9771	146.7579
poly2	142.9771	146.7579
poly3	142.9772	146.7580
exp	136.5231	140.3038
log	124.1344	127.9152
power	127.6848	131.4655
mult	127.6848	131.4655
hybrid mult	132.2989	136.0797

models	LogLikelyhood	R2 coefficient
linear	-70.4886	-0.0442
poly2	-70.4886	-0.0442
poly3	-70.4886	-0.0442
exp	-67.2615	0.2704
log	-61.0672	0.6334
power	-62.8424	0.5535
mult	-62.8424	0.5535
hybrid mult	-65.1495	0.4230

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0038	0.0000
poly2	0.0038	0.0000
poly3	0.0038	0.0000
exp	0.0108	0.0000
log	0.0070	0.0000
power	0.0026	0.0007
mult	0.0026	0.0007
hybrid mult	0.0030	0.0009

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: ka.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1619	0.0010
poly2	0.1619	0.0010
poly3	0.1619	0.0010
exp	0.1093	0.0008
log	0.0186	0.0005
power	0.0155	0.0011
mult	0.0155	0.0011
hybrid mult	0.0257	0.0030

models	AIC of model	BIC of model
linear	141.5813	145.3620
poly2	141.5932	145.3739
poly3	141.5699	145.3507
exp	136.2269	140.0076
log	123.5373	127.3180
power	120.5942	124.3749
mult	120.5942	124.3749
hybrid mult	122.0178	125.7986

models	LogLikelyhood	R2 coefficient
linear	-69.7907	-0.0472
poly2	-69.7966	-0.0479
poly3	-69.7850	-0.0466
exp	-67.1134	0.2222
log	-60.7686	0.6157
power	-59.2971	0.6736
mult	-59.2971	0.6736
hybrid mult	-60.0089	0.6468

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0043	0.0000
poly2	0.0043	0.0000
poly3	0.0043	0.0000
exp	0.0016	0.0000
log	0.0039	0.0000
power	0.0450	0.0058
mult	0.0450	0.0058
hybrid mult	0.0483	0.0087

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: hi.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1088	0.0019
poly2	0.1089	0.0019
poly3	0.1088	0.0019
exp	0.1820	0.0027
log	0.1587	0.0019
power	0.2515	0.0147
mult	0.2515	0.0147
hybrid mult	0.3887	0.0413

models	AIC of model	BIC of model
linear	169.0965	173.1855
poly2	169.4110	173.5001
poly3	169.0959	173.1849
exp	157.7714	161.8604
log	141.7913	145.8803
power	141.9192	146.0083
mult	141.9192	146.0083
hybrid mult	148.6048	152.6938

models	LogLikelyhood	R2 coefficient
linear	-83.5482	-0.0388
poly2	-83.7055	-0.0545
poly3	-83.5479	-0.0388
exp	-77.8857	0.3942
log	-69.8956	0.7170
power	-69.9596	0.7152
mult	-69.9596	0.7152
hybrid mult	-73.3024	0.6085

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0000	0.0000
poly2	0.0000	0.0000
poly3	0.0000	0.0000
exp	0.0001	0.0000
log	0.0022	0.0000
power	0.0028	0.0051
mult	0.0028	0.0051
hybrid mult	0.0529	0.0915

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	not F

Fold: ta.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1268	0.0004
poly2	0.1261	0.0003
poly3	0.1268	0.0004
exp	0.0514	0.0003
log	0.0190	0.0005
power	0.8976	0.0757
mult	0.8976	0.0757
hybrid mult	0.8974	0.0666

models	AIC of model	BIC of model
linear	172.5659	176.6549
poly2	172.7384	176.8274
poly3	172.7901	176.8792
exp	156.0985	160.1876
log	141.7158	145.8049
power	122.5082	126.5972
mult	122.5082	126.5972
hybrid mult	122.2431	126.3322

models	LogLikelyhood	R2 coefficient
linear	−85.2829	−0.0247
poly2	−85.3692	−0.0332
poly3	−85.3951	−0.0357
exp	−77.0493	0.5322
log	−69.8579	0.7642
power	−60.2541	0.9055
mult	−60.2541	0.9055
hybrid mult	−60.1216	0.9067

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0000	0.0000
poly2	0.0000	0.0000
poly3	0.0000	0.0000
exp	0.0000	0.0000
log	0.0055	0.0000
power	0.4696	0.5570
mult	0.4696	0.5570
hybrid mult	0.4333	0.4900

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	not F	not F
mult	not F	not F
hybrid mult	not F	not F

3 Experiment 2C

3.1 slice: test, variables: inv+pho+syn+gen+geo

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0002
poly3	0.0000	0.0003
exp	0.0000	0.0005
log	0.0000	0.0001
power	0.0000	0.0001
mult	0.0001	0.0004
hybrid mult	0.0000	0.0002
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.7180	289.7110
poly2	284.8197	289.8127
poly3	285.0503	290.0433
exp	283.5342	288.5272
log	284.7497	289.7427
power	283.8948	288.8878
mult	284.9604	289.9535
hybrid mult	284.5037	289.4967
am	284.4503	289.4433
gm	284.4537	289.4467
hm	284.4627	289.4557

models	LogLikelyhood	R2 coefficient
linear	-141.3590	-0.0261
poly2	-141.4099	-0.0293
poly3	-141.5251	-0.0365
exp	-140.7671	0.0100
log	-141.3748	-0.0271
power	-140.9474	-0.0008
mult	-141.4802	-0.0337
hybrid mult	-141.2519	-0.0195
am	-141.2251	-0.0178
gm	-141.2269	-0.0179
hm	-141.2314	-0.0182

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0521	0.0604
poly2	0.0502	0.0531
poly3	0.0500	0.0486
exp	0.3533	0.2385
log	0.0339	0.0530
power	0.0444	0.0620
mult	0.0307	0.0325
hybrid mult	0.0225	0.0394
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	X	not F
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0049	0.0001
poly3	0.0060	0.0002
exp	0.0043	0.0004
log	0.0052	0.0001
power	0.0039	0.0001
mult	0.0146	0.0001
hybrid mult	0.0182	0.0002
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001

models	AIC of model	BIC of model
linear	265.1103	270.1033
poly2	265.2708	270.2638
poly3	265.4526	270.4456
exp	264.2232	269.2162
log	264.8398	269.8328
power	263.6521	268.6451
mult	263.9405	268.9335
hybrid mult	264.0912	269.0842
am	264.8662	269.8593
gm	264.8856	269.8786
hm	264.9002	269.8932

models	LogLikelyhood	R2 coefficient
linear	-131.5552	-0.0467
poly2	-131.6354	-0.0518
poly3	-131.7263	-0.0576
exp	-131.1116	-0.0189
log	-131.4199	-0.0382
power	-130.8260	-0.0015
mult	-130.9702	-0.0102
hybrid mult	-131.0456	-0.0149
am	-131.4331	-0.0390
gm	-131.4428	-0.0396
hm	-131.4501	-0.0401

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0002	0.0000
poly2	0.0002	0.0000
poly3	0.0003	0.0000
exp	0.0009	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.1044	0.0007
poly3	0.1064	0.0008
exp	0.0994	0.0006
log	0.0975	0.0006
power	0.0994	0.0006
mult	0.0534	0.0006
hybrid mult	0.0587	0.0007
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006

models	AIC of model	BIC of model
linear	217.8534	222.8464
poly2	220.2406	225.2336
poly3	220.6719	225.6649
exp	241.0100	246.0031
log	218.4232	223.4162
power	213.0151	218.0081
mult	211.2209	216.2139
hybrid mult	211.6585	216.6515
am	218.2095	223.2025
gm	219.0159	224.0089
hm	219.2611	224.2541

models	LogLikelyhood	R2 coefficient
linear	-107.9267	-0.1652
poly2	-109.1203	-0.2527
poly3	-109.3360	-0.2691
exp	-119.5050	-1.3505
log	-108.2116	-0.1855
power	-105.5076	-0.0063
mult	-104.6104	0.0469
hybrid mult	-104.8292	0.0342
am	-108.1047	-0.1779
gm	-108.5080	-0.2070
hm	-108.6305	-0.2160

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0002	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

3.2 slice: test, variables: fea

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0005
log	0.0000	0.0001
power	0.0006	0.0016
mult	0.0006	0.0016
hybrid mult	0.0004	0.0013

models	AIC of model	BIC of model
linear	284.5478	289.5408
poly2	285.6405	290.6335
poly3	284.9640	289.9570
exp	283.6166	288.6096
log	284.5482	289.5413
power	285.8657	290.8587
mult	285.8657	290.8587
hybrid mult	286.0373	291.0303

models	LogLikelyhood	R2 coefficient
linear	-141.2739	-0.0208
poly2	-141.8203	-0.0552
poly3	-141.4820	-0.0338
exp	-140.8083	0.0076
log	-141.2741	-0.0209
power	-141.9328	-0.0624
mult	-141.9328	-0.0624
hybrid mult	-142.0187	-0.0680

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0445	0.0621
poly3	0.0495	0.0662
exp	0.4648	0.2540
log	0.0444	0.0620
power	0.0086	0.0209
mult	0.0086	0.0209
hybrid mult	0.0102	0.0213

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0035	0.0001
poly3	0.0038	0.0001
exp	0.0024	0.0003
log	0.0038	0.0001
power	0.0242	0.0008
mult	0.0242	0.0008
hybrid mult	0.0788	0.0056

models	AIC of model	BIC of model
linear	264.8754	269.8684
poly2	265.4417	270.4347
poly3	265.0474	270.0404
exp	264.0037	268.9967
log	264.6047	269.5977
power	265.0937	270.0867
mult	265.0937	270.0867
hybrid mult	267.7439	272.7370

models	LogLikelyhood	R2 coefficient
linear	-131.4377	-0.0393
poly2	-131.7208	-0.0573
poly3	-131.5237	-0.0447
exp	-131.0018	-0.0122
log	-131.3023	-0.0308
power	-131.5468	-0.0462
mult	-131.5468	-0.0462
hybrid mult	-132.8720	-0.1337

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0009	0.0000
log	0.0001	0.0000
power	0.0009	0.0000
mult	0.0009	0.0000
hybrid mult	0.0066	0.0004

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.0994	0.0006
poly3	0.0994	0.0006
exp	0.0979	0.0006
log	0.0994	0.0006
power	0.1555	0.0069
mult	0.1555	0.0069
hybrid mult	0.2190	0.0285

models	AIC of model	BIC of model
linear	218.9156	223.9086
poly2	218.2931	223.2861
poly3	218.2398	223.2328
exp	214.3577	219.3508
log	218.2498	223.2428
power	213.6986	218.6917
mult	213.6986	218.6917
hybrid mult	214.9250	219.9180

models	LogLikelyhood	R2 coefficient
linear	−108.4578	−0.2034
poly2	−108.1466	−0.1809
poly3	−108.1199	−0.1790
exp	−106.1789	−0.0481
log	−108.1249	−0.1793
power	−105.8493	−0.0274
mult	−105.8493	−0.0274
hybrid mult	−106.4625	−0.0663

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0000	0.0000
log	0.0001	0.0000
power	0.0041	0.0001
mult	0.0041	0.0001
hybrid mult	0.0266	0.0020

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

3.3 slice: test, variables: inv

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0002
log	0.0000	0.0001
power	0.0001	0.0003
mult	0.0001	0.0003
hybrid mult	0.0007	0.0007

models	AIC of model	BIC of model
linear	284.4756	289.4686
poly2	284.5553	289.5483
poly3	284.5352	289.5282
exp	283.4443	288.4373
log	284.4281	289.4211
power	284.7878	289.7808
mult	284.7878	289.7808
hybrid mult	285.3729	290.3659

models	LogLikelyhood	R2 coefficient
linear	−141.2378	−0.0186
poly2	−141.2776	−0.0211
poly3	−141.2676	−0.0204
exp	−140.7222	0.0127
log	−141.2141	−0.0171
power	−141.3939	−0.0283
mult	−141.3939	−0.0283
hybrid mult	−141.6865	−0.0467

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0444	0.0620
poly3	0.0444	0.0620
exp	0.1202	0.1032
log	0.0444	0.0620
power	0.0179	0.0222
mult	0.0179	0.0222
hybrid mult	0.0210	0.0154

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0038	0.0001
poly3	0.0038	0.0001
exp	0.0021	0.0002
log	0.0038	0.0001
power	0.0119	0.0001
mult	0.0119	0.0001
hybrid mult	0.0150	0.0001

models	AIC of model	BIC of model
linear	264.8525	269.8455
poly2	265.4834	270.4764
poly3	264.7999	269.7929
exp	263.7321	268.7251
log	264.6145	269.6075
power	263.8248	268.8178
mult	263.8248	268.8178
hybrid mult	263.9194	268.9124

models	LogLikelyhood	R2 coefficient
linear	-131.4262	-0.0386
poly2	-131.7417	-0.0586
poly3	-131.3999	-0.0369
exp	-130.8660	-0.0039
log	-131.3073	-0.0311
power	-130.9124	-0.0067
mult	-130.9124	-0.0067
hybrid mult	-130.9597	-0.0096

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0004	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.0994	0.0006
poly3	0.0994	0.0006
exp	0.1022	0.0006
log	0.0994	0.0006
power	0.0892	0.0006
mult	0.0892	0.0006
hybrid mult	0.0871	0.0007

models	AIC of model	BIC of model
linear	218.2537	223.2467
poly2	218.2698	223.2628
poly3	218.8873	223.8803
exp	214.1207	219.1137
log	218.2545	223.2476
power	212.1048	217.0978
mult	212.1048	217.0978
hybrid mult	211.9940	216.9870

models	LogLikelyhood	R2 coefficient
linear	-108.1269	-0.1795
poly2	-108.1349	-0.1800
poly3	-108.4436	-0.2023
exp	-106.0604	-0.0406
log	-108.1273	-0.1795
power	-105.0524	0.0211
mult	-105.0524	0.0211
hybrid mult	-104.9970	0.0243

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0002	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

3.4   slice: test, variables: gen+geo

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0003
exp	0.0002	0.0011
log	0.0000	0.0001
power	0.0000	0.0004
mult	0.0003	0.0014
hybrid mult	0.0013	0.0034
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001
diff	0.0000	0.0002

models	AIC of model	BIC of model
linear	284.2766	289.2696
poly2	284.6124	289.6054
poly3	285.4841	290.4771
exp	285.1037	290.0967
log	284.5478	289.5408
power	284.5921	289.5851
mult	285.4033	290.3963
hybrid mult	286.7032	291.6963
am	284.5554	289.5484
gm	284.5692	289.5622
hm	284.4504	289.4434
diff	284.8563	289.8493

models	LogLikelyhood	R2 coefficient
linear	-141.1383	-0.0125
poly2	-141.3062	-0.0228
poly3	-141.7421	-0.0502
exp	-141.5519	-0.0382
log	-141.2739	-0.0208
power	-141.2961	-0.0222
mult	-141.7016	-0.0476
hybrid mult	-142.3516	-0.0897
am	-141.2777	-0.0211
gm	-141.2846	-0.0215
hm	-141.2252	-0.0178
diff	-141.4281	-0.0304

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0440	0.0559
poly3	0.0449	0.0452
exp	0.0563	0.0408
log	0.0444	0.0620
power	0.0358	0.0498
mult	0.0289	0.0466
hybrid mult	0.0302	0.0590
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620
diff	0.0438	0.0536

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0047	0.0001
poly2	0.0044	0.0001
poly3	0.0069	0.0002
exp	0.0133	0.0005
log	0.0038	0.0001
power	0.0144	0.0001
mult	0.0243	0.0003
hybrid mult	0.0515	0.0013
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001
diff	0.0047	0.0001

models	AIC of model	BIC of model
linear	265.1666	270.1596
poly2	264.9865	269.9795
poly3	265.4794	270.4724
exp	264.5262	269.5192
log	264.8652	269.8583
power	264.0008	268.9938
mult	264.5428	269.5358
hybrid mult	266.0878	271.0808
am	264.8401	269.8331
gm	264.8606	269.8537
hm	264.8904	269.8834
diff	264.8027	269.7957

models	LogLikelyhood	R2 coefficient
linear	-131.5833	-0.0485
poly2	-131.4932	-0.0428
poly3	-131.7397	-0.0585
exp	-131.2631	-0.0283
log	-131.4326	-0.0390
power	-131.0004	-0.0121
mult	-131.2714	-0.0289
hybrid mult	-132.0439	-0.0782
am	-131.4200	-0.0382
gm	-131.4303	-0.0388
hm	-131.4452	-0.0397
diff	-131.4014	-0.0370

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0002	0.0000
poly2	0.0002	0.0000
poly3	0.0003	0.0000
exp	0.0010	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0002	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.0994	0.0006
poly3	0.1072	0.0009
exp	0.1157	0.0016
log	0.0853	0.0004
power	0.0699	0.0005
mult	0.0764	0.0014
hybrid mult	0.0812	0.0019
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006
diff	0.1024	0.0006

models	AIC of model	BIC of model
linear	218.2883	223.2813
poly2	217.4734	222.4664
poly3	220.6745	225.6676
exp	214.7384	219.7314
log	217.7949	222.7879
power	212.0001	216.9931
mult	212.2032	217.1962
hybrid mult	212.3529	217.3459
am	218.3073	223.3003
gm	218.2635	223.2565
hm	219.1227	224.1158
diff	217.9148	222.9078

models	LogLikelyhood	R2 coefficient
linear	-108.1441	-0.1807
poly2	-107.7367	-0.1519
poly3	-109.3373	-0.2692
exp	-106.3692	-0.0603
log	-107.8975	-0.1632
power	-105.0001	0.0242
mult	-105.1016	0.0181
hybrid mult	-105.1764	0.0137
am	-108.1536	-0.1814
gm	-108.1317	-0.1798
hm	-108.5614	-0.2109
diff	-107.9574	-0.1674

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0002	0.0000
log	0.0000	0.0000
power	0.0001	0.0000
mult	0.0004	0.0000
hybrid mult	0.0007	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

3.5 slice: test, variables: inv+syn

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0007
log	0.0000	0.0001
power	0.0000	0.0002
mult	0.0000	0.0002
hybrid mult	0.0000	0.0002
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001
diff	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.4264	289.4194
poly2	284.7715	289.7645
poly3	284.5072	289.5002
exp	283.4632	288.4562
log	284.7747	289.7677
power	284.4931	289.4861
mult	284.4318	289.4248
hybrid mult	284.5691	289.5622
am	284.4522	289.4452
gm	284.5456	289.5386
hm	284.5483	289.5413
diff	284.8860	289.8790

models	LogLikelyhood	R2 coefficient
linear	-141.2132	-0.0171
poly2	-141.3858	-0.0278
poly3	-141.2536	-0.0196
exp	-140.7316	0.0122
log	-141.3873	-0.0279
power	-141.2465	-0.0191
mult	-141.2159	-0.0173
hybrid mult	-141.2846	-0.0215
am	-141.2261	-0.0179
gm	-141.2728	-0.0208
hm	-141.2741	-0.0209
diff	-141.4430	-0.0314

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0556	0.0742
poly2	0.0557	0.0744
poly3	0.0550	0.0737
exp	0.6736	0.4795
log	0.0381	0.0540
power	0.0206	0.0287
mult	0.0211	0.0350
hybrid mult	0.0216	0.0353
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620
diff	0.0445	0.0621

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	X	not F
poly3	X	not F
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0029	0.0001
poly3	0.0029	0.0001
exp	0.0009	0.0010
log	0.0043	0.0001
power	0.0087	0.0001
mult	0.0119	0.0001
hybrid mult	0.0150	0.0001
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001
diff	0.0029	0.0001

models	AIC of model	BIC of model
linear	264.8378	269.8308
poly2	265.3684	270.3614
poly3	265.0587	270.0517
exp	264.1701	269.1631
log	265.0950	270.0880
power	263.7378	268.7308
mult	263.8248	268.8178
hybrid mult	263.9194	268.9125
am	264.8660	269.8590
gm	264.8621	269.8551
hm	264.8720	269.8650
diff	265.7098	270.7028

models	LogLikelyhood	R2 coefficient
linear	-131.4189	-0.0381
poly2	-131.6842	-0.0549
poly3	-131.5293	-0.0451
exp	-131.0850	-0.0173
log	-131.5475	-0.0462
power	-130.8689	-0.0041
mult	-130.9124	-0.0067
hybrid mult	-130.9597	-0.0096
am	-131.4330	-0.0390
gm	-131.4310	-0.0389
hm	-131.4360	-0.0392
diff	-131.8549	-0.0659

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0002	0.0000
poly3	0.0002	0.0000
exp	0.0027	0.0001
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0002	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.0994	0.0006
poly3	0.1003	0.0006
exp	0.1074	0.0012
log	0.0994	0.0006
power	0.0967	0.0005
mult	0.0891	0.0006
hybrid mult	0.0871	0.0007
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006
diff	0.0994	0.0006

models	AIC of model	BIC of model
linear	218.2713	223.2643
poly2	218.0725	223.0656
poly3	220.4169	225.4100
exp	215.2619	220.2550
log	218.2551	223.2481
power	213.0189	218.0120
mult	212.2116	217.2046
hybrid mult	211.9934	216.9864
am	218.7899	223.7829
gm	218.8463	223.8393
hm	218.9125	223.9055
diff	217.1507	222.1437

models	LogLikelyhood	R2 coefficient
linear	-108.1356	-0.1801
poly2	-108.0363	-0.1730
poly3	-109.2085	-0.2594
exp	-106.6310	-0.0772
log	-108.1276	-0.1795
power	-105.5095	-0.0064
mult	-105.1058	0.0179
hybrid mult	-104.9967	0.0243
am	-108.3949	-0.1988
gm	-108.4231	-0.2008
hm	-108.4563	-0.2032
diff	-107.5754	-0.1407

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0002	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

3.6   slice: test, variables: inv+pho+syn

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0007
log	0.0000	0.0001
power	0.0000	0.0001
mult	0.0000	0.0002
hybrid mult	0.0005	0.0006
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.5279	289.5210
poly2	284.5384	289.5314
poly3	284.2855	289.2785
exp	283.4635	288.4565
log	285.0726	290.0656
power	284.0260	289.0190
mult	284.4311	289.4241
hybrid mult	285.2693	290.2623
am	284.5478	289.5408
gm	284.4565	289.4495
hm	284.4579	289.4509

models	LogLikelyhood	R2 coefficient
linear	-141.2640	-0.0202
poly2	-141.2692	-0.0205
poly3	-141.1427	-0.0128
exp	-140.7317	0.0122
log	-141.5363	-0.0372
power	-141.0130	-0.0048
mult	-141.2155	-0.0172
hybrid mult	-141.6346	-0.0434
am	-141.2739	-0.0208
gm	-141.2283	-0.0180
hm	-141.2289	-0.0181

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0551	0.0738
poly3	0.0567	0.0749
exp	0.6731	0.4793
log	0.0417	0.0551
power	0.0376	0.0537
mult	0.0212	0.0350
hybrid mult	0.0201	0.0162
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	not F
poly3	X	not F
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0029	0.0001
poly3	0.0029	0.0001
exp	0.0009	0.0009
log	0.0035	0.0001
power	0.0038	0.0001
mult	0.0119	0.0001
hybrid mult	0.0150	0.0001
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001

models	AIC of model	BIC of model
linear	264.7912	269.7842
poly2	265.2053	270.1983
poly3	265.0683	270.0613
exp	264.1282	269.1212
log	265.3593	270.3523
power	263.7464	268.7394
mult	263.8334	268.8264
hybrid mult	263.9195	268.9125
am	264.8882	269.8812
gm	264.9000	269.8930
hm	264.9043	269.8974

models	LogLikelyhood	R2 coefficient
linear	-131.3956	-0.0366
poly2	-131.6027	-0.0497
poly3	-131.5341	-0.0454
exp	-131.0641	-0.0160
log	-131.6796	-0.0546
power	-130.8732	-0.0043
mult	-130.9167	-0.0070
hybrid mult	-130.9598	-0.0096
am	-131.4441	-0.0397
gm	-131.4500	-0.0401
hm	-131.4522	-0.0402

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0002	0.0000
poly3	0.0002	0.0000
exp	0.0025	0.0001
log	0.0003	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1002	0.0006
poly2	0.0994	0.0006
poly3	0.1003	0.0006
exp	0.1077	0.0013
log	0.0995	0.0006
power	0.0994	0.0006
mult	0.0953	0.0008
hybrid mult	0.0933	0.0009
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006

models	AIC of model	BIC of model
linear	219.5202	224.5132
poly2	218.3061	223.2991
poly3	219.6892	224.6822
exp	215.2830	220.2760
log	218.5364	223.5295
power	213.4572	218.4502
mult	212.1959	217.1890
hybrid mult	212.0547	217.0477
am	219.1171	224.1101
gm	219.2093	224.2023
hm	218.1101	223.1031

models	LogLikelyhood	R2 coefficient
linear	−108.7601	−0.2256
poly2	−108.1531	−0.1813
poly3	−108.8446	−0.2319
exp	−106.6415	−0.0779
log	−108.2682	−0.1896
power	−105.7286	−0.0199
mult	−105.0980	0.0183
hybrid mult	−105.0274	0.0225
am	−108.5585	−0.2107
gm	−108.6046	−0.2141
hm	−108.0550	−0.1743

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0002	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0002	0.0000
hybrid mult	0.0002	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

3.7 slice: test, variables: syn

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0007
log	0.0000	0.0001
power	0.0026	0.0015
mult	0.0026	0.0015
hybrid mult	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.4496	289.4426
poly2	284.4218	289.4148
poly3	284.5697	289.5627
exp	283.4649	288.4579
log	284.5456	289.5386
power	285.8921	290.8851
mult	285.8921	290.8851
hybrid mult	283.9601	288.9531

models	LogLikelyhood	R2 coefficient
linear	-141.2248	-0.0178
poly2	-141.2109	-0.0169
poly3	-141.2848	-0.0215
exp	-140.7324	0.0121
log	-141.2728	-0.0208
power	-141.9460	-0.0633
mult	-141.9460	-0.0633
hybrid mult	-140.9800	-0.0028

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0552	0.0738
poly3	0.0442	0.0617
exp	0.6746	0.4807
log	0.0444	0.0620
power	0.0202	0.0119
mult	0.0202	0.0119
hybrid mult	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	not F
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0029	0.0001
poly3	0.0029	0.0001
exp	0.0009	0.0009
log	0.0038	0.0001
power	0.0476	0.0005
mult	0.0476	0.0005
hybrid mult	0.0038	0.0001

models	AIC of model	BIC of model
linear	264.8279	269.8209
poly2	265.1403	270.1333
poly3	265.5383	270.5313
exp	264.1371	269.1301
log	264.8508	269.8439
power	265.2745	270.2675
mult	265.2745	270.2675
hybrid mult	263.7224	268.7154

models	LogLikelyhood	R2 coefficient
linear	-131.4139	-0.0378
poly2	-131.5701	-0.0477
poly3	-131.7691	-0.0604
exp	-131.0685	-0.0163
log	-131.4254	-0.0385
power	-131.6373	-0.0519
mult	-131.6373	-0.0519
hybrid mult	-130.8612	-0.0036

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0002	0.0000
poly3	0.0002	0.0000
exp	0.0025	0.0001
log	0.0001	0.0000
power	0.0013	0.0000
mult	0.0013	0.0000
hybrid mult	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.0994	0.0006
poly3	0.0994	0.0006
exp	0.1074	0.0012
log	0.0994	0.0006
power	0.0989	0.0042
mult	0.0989	0.0042
hybrid mult	0.0994	0.0006

models	AIC of model	BIC of model
linear	218.2526	223.2456
poly2	218.2918	223.2849
poly3	217.7531	222.7462
exp	215.2666	220.2596
log	218.2546	223.2477
power	212.8875	217.8805
mult	212.8875	217.8805
hybrid mult	218.2546	223.2476

models	LogLikelyhood	R2 coefficient
linear	-108.1263	-0.1794
poly2	-108.1459	-0.1808
poly3	-107.8766	-0.1617
exp	-106.6333	-0.0774
log	-108.1273	-0.1795
power	-105.4437	-0.0024
mult	-105.4437	-0.0024
hybrid mult	-108.1273	-0.1795

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0017	0.0000
mult	0.0017	0.0000
hybrid mult	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

3.8   slice: test, variables: pho+syn

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0006
log	0.0000	0.0003
power	0.0000	0.0004
mult	0.0001	0.0017
hybrid mult	0.0000	0.0011
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001
diff	0.0000	0.0001

models	AIC of model	BIC of model
linear	285.3496	290.3427
poly2	284.5384	289.5314
poly3	284.6854	289.6784
exp	283.3878	288.3808
log	285.1253	290.1183
power	284.4551	289.4481
mult	285.8903	290.8833
hybrid mult	285.6309	290.6239
am	284.4550	289.4480
gm	284.4536	289.4467
hm	284.5477	289.5408
diff	285.1545	290.1475

models	LogLikelyhood	R2 coefficient
linear	-141.6748	-0.0459
poly2	-141.2692	-0.0205
poly3	-141.3427	-0.0251
exp	-140.6939	0.0144
log	-141.5626	-0.0389
power	-141.2276	-0.0180
mult	-141.9451	-0.0632
hybrid mult	-141.8154	-0.0549
am	-141.2275	-0.0180
gm	-141.2268	-0.0179
hm	-141.2739	-0.0208
diff	-141.5773	-0.0398

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0548	0.0734
poly3	0.0462	0.0641
exp	0.5576	0.3828
log	0.0408	0.0460
power	0.0375	0.0441
mult	0.0176	0.0569
hybrid mult	0.0189	0.0411
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620
diff	0.0555	0.0740

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	not F
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	not F

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0030	0.0001
poly3	0.0029	0.0001
exp	0.0009	0.0009
log	0.0038	0.0001
power	0.0037	0.0002
mult	0.0073	0.0013
hybrid mult	0.0337	0.0088
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001
diff	0.0038	0.0001

models	AIC of model	BIC of model
linear	264.8751	269.8681
poly2	265.9437	270.9367
poly3	264.9503	269.9433
exp	264.1386	269.1316
log	264.9225	269.9155
power	264.2252	269.2183
mult	265.6396	270.6327
hybrid mult	268.7602	273.7532
am	264.8515	269.8445
gm	264.8851	269.8781
hm	264.8476	269.8406
diff	265.0904	270.0834

models	LogLikelyhood	R2 coefficient
linear	-131.4375	-0.0393
poly2	-131.9719	-0.0735
poly3	-131.4751	-0.0416
exp	-131.0693	-0.0163
log	-131.4612	-0.0408
power	-131.1126	-0.0190
mult	-131.8198	-0.0636
hybrid mult	-133.3801	-0.1691
am	-131.4257	-0.0385
gm	-131.4425	-0.0396
hm	-131.4238	-0.0384
diff	-131.5452	-0.0461

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0002	0.0000
poly3	0.0002	0.0000
exp	0.0025	0.0001
log	0.0001	0.0000
power	0.0006	0.0000
mult	0.0011	0.0001
hybrid mult	0.0207	0.0077
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.1004	0.0006
poly3	0.0994	0.0006
exp	0.1042	0.0008
log	0.1022	0.0006
power	0.1218	0.0015
mult	0.2334	0.0255
hybrid mult	0.3298	0.0791
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006
diff	0.0995	0.0006

models	AIC of model	BIC of model
linear	218.5194	223.5124
poly2	219.0949	224.0880
poly3	218.2005	223.1935
exp	215.3995	220.3925
log	221.6002	226.5932
power	213.3802	218.3732
mult	215.6316	220.6247
hybrid mult	217.1285	222.1215
am	218.0717	223.0647
gm	218.0769	223.0700
hm	218.2445	223.2375
diff	221.7926	226.7856

models	LogLikelyhood	R2 coefficient
linear	-108.2597	-0.1890
poly2	-108.5475	-0.2099
poly3	-108.1002	-0.1776
exp	-106.6998	-0.0817
log	-109.8001	-0.3053
power	-105.6901	-0.0175
mult	-106.8158	-0.0894
hybrid mult	-107.5642	-0.1399
am	-108.0358	-0.1730
gm	-108.0385	-0.1732
hm	-108.1223	-0.1791
diff	-109.8963	-0.3130

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0004	0.0000
mult	0.0303	0.0017
hybrid mult	0.1975	0.0174
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	not F	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

3.9   slice: test, variables: pho

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0005	0.0034
log	0.0000	0.0001
power	0.0001	0.0017
mult	0.0001	0.0017
hybrid mult	0.0000	0.0011

models	AIC of model	BIC of model
linear	284.5472	289.5402
poly2	284.5444	289.5374
poly3	284.5480	289.5410
exp	285.1327	290.1257
log	284.4806	289.4736
power	285.8903	290.8833
mult	285.8903	290.8833
hybrid mult	285.6310	290.6240

models	LogLikelyhood	R2 coefficient
linear	-141.2736	-0.0208
poly2	-141.2722	-0.0207
poly3	-141.2740	-0.0208
exp	-141.5663	-0.0391
log	-141.2403	-0.0188
power	-141.9451	-0.0632
mult	-141.9451	-0.0632
hybrid mult	-141.8155	-0.0549

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0444	0.0620
poly3	0.0444	0.0620
exp	0.1600	0.1044
log	0.0444	0.0620
power	0.0176	0.0569
mult	0.0176	0.0569
hybrid mult	0.0189	0.0411

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0038	0.0001
poly3	0.0038	0.0001
exp	0.0216	0.0010
log	0.0038	0.0001
power	0.0073	0.0013
mult	0.0073	0.0013
hybrid mult	0.0131	0.0026

models	AIC of model	BIC of model
linear	264.9639	269.9569
poly2	265.2680	270.2611
poly3	264.9483	269.9413
exp	265.1554	270.1484
log	264.7359	269.7290
power	265.6390	270.6321
mult	265.6390	270.6321
hybrid mult	266.9773	271.9703

models	LogLikelyhood	R2 coefficient
linear	-131.4820	-0.0421
poly2	-131.6340	-0.0517
poly3	-131.4742	-0.0416
exp	-131.5777	-0.0481
log	-131.3680	-0.0349
power	-131.8195	-0.0636
mult	-131.8195	-0.0636
hybrid mult	-132.4886	-0.1076

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0007	0.0000
log	0.0001	0.0000
power	0.0011	0.0001
mult	0.0011	0.0001
hybrid mult	0.0023	0.0004

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.0993	0.0006
poly3	0.0994	0.0006
exp	0.0951	0.0011
log	0.0994	0.0006
power	0.2334	0.0255
mult	0.2334	0.0255
hybrid mult	0.3030	0.0632

models	AIC of model	BIC of model
linear	218.2546	223.2476
poly2	219.0618	224.0548
poly3	218.5038	223.4968
exp	215.5327	220.5258
log	218.2590	223.2521
power	215.6292	220.6222
mult	215.6292	220.6222
hybrid mult	217.5951	222.5881

models	LogLikelyhood	R2 coefficient
linear	-108.1273	-0.1795
poly2	-108.5309	-0.2087
poly3	-108.2519	-0.1884
exp	-106.7664	-0.0861
log	-108.1295	-0.1796
power	-106.8146	-0.0893
mult	-106.8146	-0.0893
hybrid mult	-107.7975	-0.1562

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0000	0.0000
log	0.0001	0.0000
power	0.0303	0.0017
mult	0.0303	0.0017
hybrid mult	0.1344	0.0112

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	not F	X

3.10 slice: test, variables: fea+inv+pho+syn+gen+geo

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0002
poly3	0.0000	0.0003
exp	0.0000	0.0006
log	0.0000	0.0001
power	0.0000	0.0001
mult	0.0001	0.0004
hybrid mult	0.0001	0.0007
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.7421	289.7351
poly2	284.8922	289.8852
poly3	285.0755	290.0685
exp	283.4788	288.4718
log	284.6569	289.6500
power	283.8852	288.8782
mult	284.9599	289.9529
hybrid mult	285.4588	290.4518
am	284.4519	289.4449
gm	284.5710	289.5640
hm	284.5641	289.5571

models	LogLikelyhood	R2 coefficient
linear	-141.3710	-0.0269
poly2	-141.4461	-0.0315
poly3	-141.5378	-0.0373
exp	-140.7394	0.0117
log	-141.3285	-0.0242
power	-140.9426	-0.0005
mult	-141.4799	-0.0337
hybrid mult	-141.7294	-0.0494
am	-141.2260	-0.0179
gm	-141.2855	-0.0216
hm	-141.2821	-0.0213

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0528	0.0612
poly2	0.0509	0.0539
poly3	0.0506	0.0492
exp	0.4713	0.3175
log	0.0270	0.0442
power	0.0444	0.0620
mult	0.0275	0.0315
hybrid mult	0.0308	0.0432
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	not F
poly2	X	not F
poly3	X	not F
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0048	0.0001
poly3	0.0059	0.0002
exp	0.0035	0.0003
log	0.0056	0.0001
power	0.0038	0.0001
mult	0.0161	0.0002
hybrid mult	0.0188	0.0001
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001

models	AIC of model	BIC of model
linear	265.2304	270.2235
poly2	265.4462	270.4392
poly3	265.8221	270.8151
exp	264.1309	269.1240
log	264.8505	269.8436
power	263.6395	268.6325
mult	264.0017	268.9947
hybrid mult	264.0528	269.0458
am	264.8657	269.8587
gm	264.8802	269.8732
hm	264.9000	269.8931

models	LogLikelyhood	R2 coefficient
linear	-131.6152	-0.0505
poly2	-131.7231	-0.0574
poly3	-131.9110	-0.0695
exp	-131.0655	-0.0161
log	-131.4253	-0.0385
power	-130.8197	-0.0011
mult	-131.0009	-0.0121
hybrid mult	-131.0264	-0.0137
am	-131.4329	-0.0390
gm	-131.4401	-0.0394
hm	-131.4500	-0.0401

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0002	0.0000
poly2	0.0002	0.0000
poly3	0.0003	0.0000
exp	0.0008	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1017	0.0006
poly2	0.1044	0.0007
poly3	0.1068	0.0008
exp	0.0994	0.0006
log	0.0964	0.0006
power	0.0994	0.0006
mult	0.0558	0.0006
hybrid mult	0.0541	0.0006
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006

models	AIC of model	BIC of model
linear	219.2831	224.2761
poly2	219.8816	224.8746
poly3	219.5733	224.5663
exp	241.0100	246.0031
log	218.3208	223.3138
power	212.9689	217.9619
mult	211.4675	216.4605
hybrid mult	211.2444	216.2374
am	218.7832	223.7762
gm	218.1061	223.0991
hm	219.2076	224.2006

models	LogLikelyhood	R2 coefficient
linear	-108.6415	-0.2168
poly2	-108.9408	-0.2391
poly3	-108.7867	-0.2276
exp	-119.5050	-1.3505
log	-108.1604	-0.1819
power	-105.4844	-0.0049
mult	-104.7338	0.0398
hybrid mult	-104.6222	0.0462
am	-108.3916	-0.1985
gm	-108.0531	-0.1742
hm	-108.6038	-0.2141

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0002	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

3.11 slice: test, variables: gen

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0002
exp	0.0001	0.0009
log	0.0000	0.0001
power	0.0000	0.0002
mult	0.0000	0.0002
hybrid mult	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.5006	289.4936
poly2	284.6625	289.6555
poly3	284.8187	289.8118
exp	284.9267	289.9198
log	284.5474	289.5404
power	284.1509	289.1440
mult	284.1509	289.1440
hybrid mult	284.5467	289.5397

models	LogLikelyhood	R2 coefficient
linear	-141.2503	-0.0194
poly2	-141.3313	-0.0244
poly3	-141.4094	-0.0293
exp	-141.4634	-0.0326
log	-141.2737	-0.0208
power	-141.0755	-0.0086
mult	-141.0755	-0.0086
hybrid mult	-141.2733	-0.0208

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0440	0.0558
poly3	0.0437	0.0509
exp	0.0562	0.0402
log	0.0444	0.0620
power	0.0664	0.0784
mult	0.0664	0.0784
hybrid mult	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	not F
mult	X	not F
hybrid mult	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0044	0.0001
poly3	0.0038	0.0001
exp	0.0133	0.0005
log	0.0038	0.0001
power	0.0038	0.0001
mult	0.0038	0.0001
hybrid mult	0.0038	0.0001

models	AIC of model	BIC of model
linear	264.9640	269.9570
poly2	264.9564	269.9494
poly3	264.7933	269.7863
exp	264.5257	269.5188
log	264.8514	269.8445
power	264.8980	269.8910
mult	264.8980	269.8910
hybrid mult	264.8512	269.8442

models	LogLikelyhood	R2 coefficient
linear	-131.4820	-0.0421
poly2	-131.4782	-0.0418
poly3	-131.3966	-0.0367
exp	-131.2629	-0.0283
log	-131.4257	-0.0385
power	-131.4490	-0.0400
mult	-131.4490	-0.0400
hybrid mult	-131.4256	-0.0385

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0002	0.0000
poly3	0.0001	0.0000
exp	0.0010	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.1014	0.0006
poly3	0.0994	0.0006
exp	0.1157	0.0016
log	0.0994	0.0006
power	0.0994	0.0006
mult	0.0994	0.0006
hybrid mult	0.0994	0.0006

models	AIC of model	BIC of model
linear	218.0453	223.0383
poly2	218.7012	223.6943
poly3	218.7725	223.7655
exp	214.7426	219.7356
log	218.2560	223.2490
power	218.2531	223.2461
mult	218.2531	223.2461
hybrid mult	218.2537	223.2468

models	LogLikelyhood	R2 coefficient
linear	-108.0226	-0.1720
poly2	-108.3506	-0.1956
poly3	-108.3862	-0.1981
exp	-106.3713	-0.0604
log	-108.1280	-0.1795
power	-108.1266	-0.1794
mult	-108.1266	-0.1794
hybrid mult	-108.1269	-0.1795

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0002	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

3.12   slice: test, variables: inv+pho

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0003
log	0.0000	0.0001
power	0.0000	0.0002
mult	0.0001	0.0003
hybrid mult	0.0005	0.0006
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001
diff	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.4394	289.4324
poly2	284.3910	289.3840
poly3	284.5595	289.5525
exp	283.4209	288.4139
log	284.5499	289.5430
power	284.4930	289.4860
mult	284.7879	289.7809
hybrid mult	285.2701	290.2632
am	284.4813	289.4743
gm	284.5479	289.5409
hm	284.5489	289.5419
diff	284.5483	289.5413

models	LogLikelyhood	R2 coefficient
linear	-141.2197	-0.0175
poly2	-141.1955	-0.0160
poly3	-141.2798	-0.0212
exp	-140.7104	0.0134
log	-141.2750	-0.0209
power	-141.2465	-0.0191
mult	-141.3939	-0.0283
hybrid mult	-141.6351	-0.0434
am	-141.2407	-0.0188
gm	-141.2739	-0.0208
hm	-141.2745	-0.0209
diff	-141.2741	-0.0209

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0449	0.0623
poly2	0.0442	0.0618
poly3	0.0444	0.0620
exp	0.1305	0.1086
log	0.0436	0.0573
power	0.0206	0.0287
mult	0.0179	0.0222
hybrid mult	0.0197	0.0166
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620
diff	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0038	0.0001
poly3	0.0038	0.0001
exp	0.0021	0.0002
log	0.0038	0.0001
power	0.0087	0.0001
mult	0.0119	0.0001
hybrid mult	0.0150	0.0001
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001
diff	0.0038	0.0001

models	AIC of model	BIC of model
linear	264.7544	269.7474
poly2	265.0040	269.9970
poly3	264.8312	269.8242
exp	263.7321	268.7251
log	265.1742	270.1672
power	263.7374	268.7304
mult	263.8247	268.8177
hybrid mult	263.9192	268.9122
am	264.8532	269.8462
gm	264.8505	269.8436
hm	264.9477	269.9407
diff	264.8510	269.8440

models	LogLikelyhood	R2 coefficient
linear	-131.3772	-0.0355
poly2	-131.5020	-0.0433
poly3	-131.4156	-0.0379
exp	-130.8660	-0.0039
log	-131.5871	-0.0487
power	-130.8687	-0.0040
mult	-130.9124	-0.0067
hybrid mult	-130.9596	-0.0096
am	-131.4266	-0.0386
gm	-131.4253	-0.0385
hm	-131.4739	-0.0416
diff	-131.4255	-0.0385

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0004	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0993	0.0006
poly2	0.0994	0.0006
poly3	0.0995	0.0006
exp	0.1022	0.0006
log	0.1030	0.0006
power	0.1313	0.0022
mult	0.0970	0.0009
hybrid mult	0.0933	0.0009
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006
diff	0.0994	0.0006

models	AIC of model	BIC of model
linear	219.3874	224.3805
poly2	218.2614	223.2544
poly3	218.0103	223.0033
exp	214.1144	219.1074
log	219.1350	224.1280
power	213.6559	218.6489
mult	212.1814	217.1745
hybrid mult	212.0541	217.0471
am	217.4603	222.4533
gm	218.2546	223.2476
hm	217.2096	222.2026
diff	217.9814	222.9744

models	LogLikelyhood	R2 coefficient
linear	-108.6937	-0.2207
poly2	-108.1307	-0.1797
poly3	-108.0052	-0.1708
exp	-106.0572	-0.0404
log	-108.5675	-0.2114
power	-105.8279	-0.0261
mult	-105.0907	0.0188
hybrid mult	-105.0270	0.0226
am	-107.7301	-0.1514
gm	-108.1273	-0.1795
hm	-107.6048	-0.1427
diff	-107.9907	-0.1698

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0006	0.0000
mult	0.0002	0.0000
hybrid mult	0.0002	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000
diff	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X
diff	X	X

3.13   slice: test, variables: geo

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0004
log	0.0000	0.0001
power	0.0003	0.0014
mult	0.0003	0.0014
hybrid mult	0.0013	0.0034

models	AIC of model	BIC of model
linear	284.5316	289.5246
poly2	284.5427	289.5357
poly3	284.5203	289.5133
exp	284.2163	289.2093
log	284.5345	289.5276
power	285.4032	290.3962
mult	285.4032	290.3962
hybrid mult	286.7024	291.6954

models	LogLikelyhood	R2 coefficient
linear	-141.2658	-0.0203
poly2	-141.2714	-0.0207
poly3	-141.2601	-0.0200
exp	-141.1081	-0.0106
log	-141.2673	-0.0204
power	-141.7016	-0.0476
mult	-141.7016	-0.0476
hybrid mult	-142.3512	-0.0897

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0444	0.0620
poly3	0.0444	0.0620
exp	0.1159	0.1307
log	0.0444	0.0620
power	0.0289	0.0466
mult	0.0289	0.0466
hybrid mult	0.0302	0.0590

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0038	0.0001
poly2	0.0038	0.0001
poly3	0.0038	0.0001
exp	0.0016	0.0002
log	0.0038	0.0001
power	0.0243	0.0003
mult	0.0243	0.0003
hybrid mult	0.0518	0.0013

models	AIC of model	BIC of model
linear	264.8516	269.8447
poly2	264.4253	269.4183
poly3	265.1098	270.1028
exp	264.3603	269.3533
log	264.8797	269.8727
power	264.5428	269.5358
mult	264.5428	269.5358
hybrid mult	266.0860	271.0790

models	LogLikelyhood	R2 coefficient
linear	-131.4258	-0.0385
poly2	-131.2127	-0.0252
poly3	-131.5549	-0.0467
exp	-131.1802	-0.0232
log	-131.4398	-0.0394
power	-131.2714	-0.0289
mult	-131.2714	-0.0289
hybrid mult	-132.0430	-0.0781

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0006	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.0994	0.0006
poly3	0.0994	0.0006
exp	0.1137	0.0010
log	0.0853	0.0004
power	0.0764	0.0014
mult	0.0764	0.0014
hybrid mult	0.0812	0.0019

models	AIC of model	BIC of model
linear	218.2549	223.2479
poly2	218.5914	223.5844
poly3	218.2683	223.2613
exp	215.3242	220.3172
log	217.7955	222.7885
power	212.2030	217.1960
mult	212.2030	217.1960
hybrid mult	212.3519	217.3449

models	LogLikelyhood	R2 coefficient
linear	-108.1275	-0.1795
poly2	-108.2957	-0.1916
poly3	-108.1341	-0.1800
exp	-106.6621	-0.0793
log	-107.8977	-0.1632
power	-105.1015	0.0181
mult	-105.1015	0.0181
hybrid mult	-105.1760	0.0137

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0002	0.0000
log	0.0000	0.0000
power	0.0004	0.0000
mult	0.0004	0.0000
hybrid mult	0.0007	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X

3.14   slice: test, variables: fea+inv+pho+syn

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0001
poly3	0.0000	0.0001
exp	0.0000	0.0007
log	0.0000	0.0001
power	0.0000	0.0001
mult	0.0000	0.0002
hybrid mult	0.0000	0.0002
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001

models	AIC of model	BIC of model
linear	285.2395	290.2325
poly2	284.9671	289.9602
poly3	284.5173	289.5103
exp	283.4448	288.4378
log	284.5401	289.5331
power	283.9914	288.9844
mult	284.4375	289.4305
hybrid mult	284.5739	289.5669
am	284.4549	289.4479
gm	284.4534	289.4464
hm	284.5479	289.5409

models	LogLikelyhood	R2 coefficient
linear	-141.6197	-0.0425
poly2	-141.4836	-0.0339
poly3	-141.2586	-0.0199
exp	-140.7224	0.0127
log	-141.2701	-0.0206
power	-140.9957	-0.0038
mult	-141.2187	-0.0174
hybrid mult	-141.2870	-0.0216
am	-141.2274	-0.0180
gm	-141.2267	-0.0179
hm	-141.2739	-0.0208

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0442	0.0618
poly2	0.0523	0.0707
poly3	0.0525	0.0709
exp	0.6838	0.4620
log	0.0444	0.0620
power	0.0399	0.0563
mult	0.0211	0.0348
hybrid mult	0.0215	0.0351
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	not F
poly3	X	not F
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0029	0.0001
poly2	0.0029	0.0001
poly3	0.0029	0.0001
exp	0.0009	0.0008
log	0.0035	0.0001
power	0.0038	0.0001
mult	0.0121	0.0001
hybrid mult	0.0150	0.0001
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001

models	AIC of model	BIC of model
linear	265.2765	270.2695
poly2	265.2253	270.2184
poly3	265.2591	270.2521
exp	264.0714	269.0644
log	264.6367	269.6297
power	263.7256	268.7186
mult	263.8302	268.8232
hybrid mult	263.9194	268.9124
am	264.8920	269.8850
gm	264.8912	269.8843
hm	264.9004	269.8934

models	LogLikelyhood	R2 coefficient
linear	-131.6382	-0.0520
poly2	-131.6127	-0.0504
poly3	-131.6295	-0.0514
exp	-131.0357	-0.0143
log	-131.3184	-0.0318
power	-130.8628	-0.0037
mult	-130.9151	-0.0069
hybrid mult	-130.9597	-0.0096
am	-131.4460	-0.0398
gm	-131.4456	-0.0398
hm	-131.4502	-0.0401

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0002	0.0000
poly2	0.0002	0.0000
poly3	0.0002	0.0000
exp	0.0021	0.0001
log	0.0002	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0001	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0994	0.0006
poly2	0.1001	0.0006
poly3	0.0994	0.0006
exp	0.0994	0.0006
log	0.0994	0.0006
power	0.0994	0.0006
mult	0.0970	0.0009
hybrid mult	0.0920	0.0008
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006

models	AIC of model	BIC of model
linear	219.0319	224.0249
poly2	219.1447	224.1377
poly3	241.0100	246.0031
exp	241.0100	246.0031
log	218.5278	223.5208
power	213.1789	218.1719
mult	212.1792	217.1722
hybrid mult	212.0623	217.0553
am	219.0678	224.0608
gm	219.1325	224.1256
hm	219.2053	224.1983

models	LogLikelyhood	R2 coefficient
linear	-108.5159	-0.2076
poly2	-108.5724	-0.2117
poly3	-119.5050	-1.3505
exp	-119.5050	-1.3505
log	-108.2639	-0.1893
power	-105.5895	-0.0113
mult	-105.0896	0.0188
hybrid mult	-105.0311	0.0223
am	-108.5339	-0.2089
gm	-108.5663	-0.2113
hm	-108.6026	-0.2140

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0001	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0002	0.0000
hybrid mult	0.0002	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

3.15   slice: test, variables: fea+gen+geo

Fold: gov.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0000	0.0001
poly2	0.0000	0.0002
poly3	0.0000	0.0003
exp	0.0000	0.0006
log	0.0000	0.0001
power	0.0000	0.0001
mult	0.0004	0.0009
hybrid mult	0.0053	0.0038
am	0.0000	0.0001
gm	0.0000	0.0001
hm	0.0000	0.0001

models	AIC of model	BIC of model
linear	284.6208	289.6138
poly2	284.9626	289.9556
poly3	284.8859	289.8789
exp	283.7053	288.6983
log	285.1496	290.1426
power	284.2695	289.2625
mult	285.3546	290.3476
hybrid mult	286.8945	291.8875
am	284.4448	289.4378
gm	284.5697	289.5628
hm	284.4531	289.4461

models	LogLikelyhood	R2 coefficient
linear	-141.3104	-0.0231
poly2	-141.4813	-0.0338
poly3	-141.4429	-0.0313
exp	-140.8526	0.0049
log	-141.5748	-0.0396
power	-141.1348	-0.0123
mult	-141.6773	-0.0461
hybrid mult	-142.4472	-0.0961
am	-141.2224	-0.0177
gm	-141.2849	-0.0215
hm	-141.2265	-0.0179

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0444	0.0620
poly2	0.0457	0.0492
poly3	0.0450	0.0449
exp	0.1864	0.1273
log	0.0344	0.0548
power	0.0417	0.0621
mult	0.0264	0.0291
hybrid mult	0.0400	0.0207
am	0.0444	0.0620
gm	0.0444	0.0620
hm	0.0444	0.0620

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	not F
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: bible.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.0047	0.0001
poly2	0.0057	0.0001
poly3	0.0068	0.0002
exp	0.0095	0.0004
log	0.0059	0.0001
power	0.0091	0.0001
mult	0.0258	0.0001
hybrid mult	0.0386	0.0003
am	0.0038	0.0001
gm	0.0038	0.0001
hm	0.0038	0.0001

models	AIC of model	BIC of model
linear	264.8422	269.8352
poly2	265.4040	270.3970
poly3	265.2814	270.2744
exp	264.3130	269.3060
log	264.4933	269.4864
power	263.7257	268.7187
mult	264.1681	269.1612
hybrid mult	264.6240	269.6170
am	264.8364	269.8294
gm	264.8660	269.8590
hm	264.8848	269.8778

models	LogLikelyhood	R2 coefficient
linear	-131.4211	-0.0382
poly2	-131.7020	-0.0561
poly3	-131.6407	-0.0521
exp	-131.1565	-0.0217
log	-131.2467	-0.0273
power	-130.8629	-0.0037
mult	-131.0841	-0.0172
hybrid mult	-131.3120	-0.0314
am	-131.4182	-0.0380
gm	-131.4330	-0.0390
hm	-131.4424	-0.0396

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0002	0.0000
poly2	0.0002	0.0000
poly3	0.0003	0.0000
exp	0.0007	0.0000
log	0.0001	0.0000
power	0.0001	0.0000
mult	0.0001	0.0000
hybrid mult	0.0002	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X

Fold: flores.csv

models	Normality Pearson p-value	Normality Shapiro p-value
linear	0.1021	0.0006
poly2	0.1047	0.0007
poly3	0.1071	0.0009
exp	0.1157	0.0016
log	0.0853	0.0004
power	0.0986	0.0005
mult	0.0800	0.0018
hybrid mult	0.0812	0.0019
am	0.0994	0.0006
gm	0.0994	0.0006
hm	0.0994	0.0006

models	AIC of model	BIC of model
linear	219.1293	224.1223
poly2	219.5357	224.5287
poly3	219.7093	224.7023
exp	214.7492	219.7422
log	217.8016	222.7946
power	213.4311	218.4241
mult	212.2082	217.2012
hybrid mult	212.3533	217.3464
am	218.1926	223.1856
gm	218.7775	223.7705
hm	218.1428	223.1358

models	LogLikelyhood	R2 coefficient
linear	−108.5646	−0.2112
poly2	−108.7678	−0.2262
poly3	−108.8547	−0.2326
exp	−106.3746	−0.0606
log	−107.9008	−0.1634
power	−105.7156	−0.0191
mult	−105.1041	0.0180
hybrid mult	−105.1767	0.0136
am	−108.0963	−0.1773
gm	−108.3887	−0.1983
hm	−108.0714	−0.1755

models	Homocedasticity Levene p-value	Homocedasticity bartlett p-value
linear	0.0001	0.0000
poly2	0.0001	0.0000
poly3	0.0001	0.0000
exp	0.0002	0.0000
log	0.0000	0.0000
power	0.0001	0.0000
mult	0.0006	0.0000
hybrid mult	0.0007	0.0000
am	0.0001	0.0000
gm	0.0001	0.0000
hm	0.0001	0.0000

models	Normal Test	Homoscedasticity Test
linear	X	X
poly2	X	X
poly3	X	X
exp	X	X
log	X	X
power	X	X
mult	X	X
hybrid mult	X	X
am	X	X
gm	X	X
hm	X	X