

Appendix B

Online only, not for print publication.

Model	Sample size		
	10,000	50,000	100,000
OLS	-	-	-
LOGOLSHET	100%	100%	100%
SQRTOLSHET	0%	44%	100%
GLMLOGP	46%	100%	100%
GLMLOGG	100%	100%	100%
GLMSQRTP	0%	13%	79%
GLMSQRTG	42%	100%	100%
LOGNORM	99%	100	100%
GG	99%	100%	100%
GB2LOG	100%	100%	100%
GB2SQRT	100%	100%	100%
FMMLOGG	98%	100%	100%
FMMSQRTG	97%	100%	100%
EEE	69%	100%	100%
CDEM	48%	100%	100%
CDEO	6%	89%	99%

Table B1: Results Pearson correlation coefficient tests (percentage rejected at 5% significance level)

	MPE (£)	MAPE (£)	RMSE
OLS	-6.19	1815.31	4460.42
LOGOLSHET	-149.73	1811.87	4938.27
SQRTOLSHET	-5.63	1715.94	4421.70
GLMLOGP	-6.77	1738.14	4522.67
GLMLOGG	-155.09	1813.78	4960.21
GLMSQRTP	-5.51	1699.16	4416.51
GLMSQRTG	41.14	1685.78	4447.57
LOGNORM	59.19	1732.46	4817.63
GG	43.26	1747.08	4743.14
GB2LOG	-68.96	1794.72	4865.08
GB2SQRT	131.03	1684.73	4480.02
FMMLOGG	-1.94	1747.21	4728.73
FMMSQRTG	136.06	1672.63	4461.85
EEE	-39.21	1716.71	4483.11
CDEM	-4.80	1677.85	4433.55
CDEO	-15.66	1724.60	4471.24

Table B2: Results of model performance, when all converged, sample size 10,000

	MPE (£)	MAPE (£)	RMSE
OLS	-1.81	1796.18	4449.72
LOGOLSHET	-147.59	1802.19	4906.22
SQRTOLSHET	-1.67	1703.75	4413.87
GLMLOGP	-1.27	1725.75	4495.21
GLMLOGG	-151.88	1804.52	4924.32
GLMSQRTP	-1.64	1690.68	4409.46
GLMSQRTG	44.49	1679.73	4442.24
LOGNORM	64.37	1726.74	4795.49
GG	52.19	1739.61	4721.18
GB2LOG	-59.70	1786.85	4838.97
GB2SQRT	135.16	1681.21	4478.19
FMMLOGG	-1.78	1739.02	4707.86
FMMSQRTG	139.06	1663.82	4453.58
EEE	-27.50	1703.97	4461.69
CDEM	-1.77	1671.65	4427.06
CDEO	-12.33	1721.03	4468.20

Table B3: Results of model performance, when all converged, sample size 50,000

	MPE (\mathcal{L})	MAPE (\mathcal{L})	RMSE
OLS	-1.38	1793.94	4448.34
LOGOLSHET	-145.55	1799.78	4894.66
SQRTOLSHET	-1.13	1702.17	4412.80
GLMLOGP	-0.23	1723.93	4491.04
GLMLOGG	-149.34	1801.91	4911.21
GLMSQRTP	-1.08	1689.60	4408.53
GLMSQRTG	45.22	1679.03	4441.85
LOGNORM	64.92	1725.98	4792.42
GG	52.96	1738.69	4718.07
GB2LOG	-59.08	1785.98	4835.64
GB2SQRT	135.08	1680.93	4477.82
FMMLOGG	0.10	1737.17	4702.38
FMMSQRTG	140.53	1662.90	4453.24
EEE	-23.27	1700.90	4456.40
CDEM	-1.26	1670.77	4426.08
CDEO	-11.73	1720.51	4467.82

Table B4: Results of model performance, when all converged, sample size 100,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	878.41	498.24	301.60	177.47	-103.47	-218.87	-417.56	-627.31	-674.45	169.25
LOGOLSHET	72.19	-41.42	-90.06	-82.74	-18.47	81.12	158.80	294.32	356.78	-2135.90
SQRTOLSHET	366.18	137.92	18.07	-9.74	-104.61	-152.77	-140.83	-199.66	-147.44	233.38
GLMLOGP	23.56	-107.43	-149.27	-105.00	-71.83	-124.65	60.05	209.83	427.23	-176.98
GLMLOGG	50.81	-52.36	-96.95	-79.00	-12.05	94.98	162.95	304.74	364.94	-2211.47
GLMSQRTP	223.58	58.94	-24.00	-35.27	-59.78	-92.82	-82.67	-114.25	-60.64	189.14
GLMSQRTG	124.08	20.66	-59.16	-84.72	-22.72	-9.06	-54.07	-27.41	71.68	507.66
LOGNORM	-38.43	-99.80	-131.68	-43.98	97.28	230.40	300.73	510.15	782.57	-964.60
GG	-143.01	-210.11	-203.73	-128.22	59.81	146.80	217.61	454.21	789.59	-536.75
GB2LOG	-157.20	-222.93	-219.12	-154.65	45.15	111.74	155.70	371.60	642.29	-1212.01
GB2SQRT	-50.69	-114.56	-132.83	-109.30	59.73	6.65	-44.19	134.96	396.12	1202.57
FMMLOGG	-1.93	-98.99	-135.11	-105.46	-34.17	36.82	179.35	373.03	596.01	-841.44
FMMSQRTG	75.97	-25.76	-89.96	-103.93	-45.77	-31.70	-1.11	78.45	260.96	1100.74
EEE	91.79	0.36	-59.09	-62.56	6.34	75.45	46.98	94.32	103.54	-720.37
CDEM	-16.33	-40.35	-73.86	-18.31	69.14	144.93	79.88	-34.04	-302.29	200.10
CDEO	-111.98	-176.27	-213.31	-162.65	3.14	63.10	71.40	163.83	212.48	48.96

Table B5: Models' average mean prediction error (\mathcal{L}) by decile of predicted cost at sample size 5,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	821.88	469.46	293.66	173.65	-134.52	-228.16	-434.91	-634.77	-668.78	279.44
LOGOLSHET	59.60	-52.01	-106.49	-95.15	-30.01	67.37	156.75	280.35	346.95	-2124.82
SQRTOLSHET	333.52	114.76	-5.18	-16.99	-118.91	-169.77	-144.20	-200.53	-145.95	296.31
GLMLOGP	-7.46	-138.57	-177.80	-109.04	-69.16	-162.94	55.85	200.82	417.45	-76.94
GLMLOGG	40.74	-61.02	-109.44	-89.01	-26.68	83.26	160.16	288.70	354.38	-2192.10
GLMSQRTP	213.91	46.63	-39.07	-36.10	-76.04	-109.29	-90.19	-119.35	-71.38	225.44
GLMSQRTG	116.40	12.89	-73.70	-100.94	-47.57	12.06	-87.90	-33.00	71.34	541.61
LOGNORM	-44.86	-103.90	-143.50	-43.17	85.94	235.45	284.50	508.01	782.45	-968.86
GG	-144.37	-226.13	-201.47	-144.25	68.16	134.43	215.00	461.44	792.23	-522.18
GB2LOG	-159.65	-237.28	-216.89	-171.23	52.58	96.44	153.83	375.92	640.54	-1223.68
GB2SQRT	-55.62	-123.94	-128.14	-126.20	71.97	-5.73	-57.67	130.66	400.15	1204.90
FMMLOGG	-15.44	-115.07	-151.67	-104.54	-49.12	10.19	187.04	366.43	605.81	-753.02
FMMSQRTG	66.90	-35.99	-105.13	-132.67	-68.87	-24.54	-10.48	84.48	326.12	1260.66
EEE	85.26	-9.14	-74.40	-82.26	-25.88	88.86	17.44	97.27	116.52	-605.90
CDEM	-34.26	-43.05	-87.72	-22.54	58.40	143.35	68.13	-49.86	-328.54	248.16
CDEO	-119.90	-182.20	-225.87	-162.25	-17.17	60.67	64.90	165.18	215.17	44.94

Table B6: Models' average mean prediction error (\mathcal{L}) by decile of predicted cost at sample size 10,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	768.06	444.90	261.71	211.65	-162.65	-224.78	-436.43	-629.07	-636.96	384.46
LOGOLSHET	40.66	-63.18	-120.65	-98.74	-27.11	71.95	154.10	278.92	354.17	-2066.07
SQRTOLSHET	296.11	104.74	-34.85	5.55	-141.65	-177.56	-129.95	-175.76	-131.53	367.73
GLMLOGP	-37.97	-170.27	-203.77	-117.15	-50.17	-178.15	68.46	183.92	429.62	62.80
GLMLOGG	26.92	-70.31	-119.89	-90.86	-25.44	83.54	158.30	285.66	358.34	-2125.11
GLMSQRTP	198.14	37.23	-51.29	-24.78	-93.41	-109.47	-92.28	-101.31	-66.36	286.77
GLMSQRTG	104.24	7.93	-83.75	-100.93	-64.08	42.70	-117.01	-23.52	82.48	596.56
LOGNORM	-54.04	-111.30	-144.41	-41.15	81.71	236.05	269.16	515.50	789.18	-896.86
GG	-141.90	-238.99	-202.57	-154.60	77.50	113.44	230.59	469.88	804.80	-435.95
GB2LOG	-160.65	-245.80	-215.95	-181.97	61.39	72.92	174.47	382.37	657.11	-1140.59
GB2SQRT	-60.75	-130.80	-119.73	-129.98	82.93	-11.39	-68.85	138.36	413.63	1238.06
FMMLOGG	-34.22	-125.95	-161.88	-93.53	-49.81	-1.79	213.11	362.77	611.62	-738.07
FMSQRTG	56.60	-38.19	-119.91	-132.29	-76.54	-11.73	-25.19	87.49	338.81	1311.47
EEE	76.23	-17.18	-84.60	-87.23	-43.18	103.90	-12.48	106.24	136.25	-453.13
CDEM	-47.07	-43.60	-101.08	-24.31	48.17	145.44	57.68	-56.54	-339.01	342.65
CDEO	-130.29	-190.45	-234.35	-156.66	-29.08	45.46	73.90	169.07	233.67	95.50

Table B7: Models' average mean prediction error (\mathcal{L}) by decile of predicted cost at sample size 50,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	761.33	441.25	263.68	211.50	-166.68	-225.62	-434.71	-628.76	-633.12	396.37
LOGOLSHET	38.30	-62.53	-125.03	-100.31	-27.79	72.07	150.17	280.03	355.76	-2036.25
SQRTOLSHET	290.94	106.72	-45.14	6.63	-146.40	-177.43	-131.87	-166.39	-127.88	378.95
GLMLOGP	-41.05	-173.23	-207.74	-119.94	-47.60	-178.91	70.02	178.29	432.38	85.42
GLMLOGG	25.07	-69.95	-123.63	-93.28	-24.34	81.28	155.48	285.85	360.55	-2090.44
GLMSQRTP	196.89	35.30	-54.10	-23.58	-98.07	-116.64	-90.84	-95.65	-64.14	299.60
GLMSQRTG	102.64	7.06	-85.09	-104.71	-66.86	47.18	-125.79	-18.43	85.42	610.59
LOGNORM	-54.69	-112.28	-143.09	-42.46	81.70	237.09	264.89	516.00	789.82	-887.70
GG	-140.56	-241.55	-200.69	-157.87	76.96	109.26	233.94	468.15	806.01	-423.72
GB2LOG	-159.90	-247.54	-214.15	-185.09	59.92	65.76	180.76	380.80	659.11	-1130.20
GB2SQRT	-61.84	-131.53	-119.32	-130.27	81.62	-11.40	-72.45	139.53	414.41	1241.97
FMMLOGG	-35.47	-126.45	-164.61	-88.71	-57.36	-9.50	218.23	360.09	615.49	-710.66
FMSQRTG	54.01	-39.31	-124.91	-136.39	-76.82	-10.32	-31.55	92.74	344.52	1333.18
EEE	76.77	-19.28	-85.65	-91.64	-45.13	95.20	-15.34	106.00	141.78	-395.60
CDEM	-48.70	-44.60	-101.13	-24.65	46.88	145.68	55.88	-58.64	-339.60	356.41
CDEO	-131.91	-189.53	-236.78	-153.91	-33.74	44.92	73.75	171.04	236.17	102.71

Table B8: Models' average mean prediction error (£) by decile of predicted cost at sample size 100,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	879.77	575.57	639.97	864.80	1120.42	1530.58	1953.91	2437.88	3165.22	5167.22
LOGOLSHET	432.16	567.71	690.35	825.97	1038.71	1341.88	1702.04	2181.12	2896.97	6490.37
SQRTOLSHET	472.78	530.79	673.13	878.29	1104.90	1427.97	1839.97	2275.21	2969.18	5088.17
GLMLOGP	472.76	624.62	749.98	916.79	1127.15	1354.09	1737.56	2192.54	2871.79	5438.02
GLMLOGG	431.11	564.87	686.22	824.57	1032.54	1341.37	1692.92	2175.93	2895.86	6536.24
GLMSQRTP	410.47	531.24	669.20	853.52	1093.50	1405.85	1801.24	2242.47	2942.28	5098.81
GLMSQRTG	407.94	522.60	655.95	849.47	1084.61	1415.75	1778.61	2244.43	2950.61	4983.76
LOGNORM	500.51	580.15	657.62	833.68	1056.19	1325.01	1625.88	2065.70	2789.91	5907.09
GG	601.19	640.44	733.21	888.59	1143.62	1368.59	1622.82	2046.71	2761.63	5701.97
GB2LOG	607.97	648.02	740.91	899.20	1163.18	1389.65	1633.55	2067.98	2790.67	6028.71
GB2SQRT	544.30	584.86	701.04	922.90	1220.87	1420.87	1672.45	2142.12	2837.97	4818.24
FMMLOGG	455.63	598.45	722.83	869.04	1070.73	1338.32	1691.78	2150.84	2837.05	5846.93
FMMSQRTG	422.12	556.24	696.00	879.97	1116.32	1413.42	1772.12	2217.32	2910.98	4919.30
EEE	415.25	531.62	651.85	836.66	1049.22	1386.31	1739.97	2225.07	2966.02	5471.84
CDEM	476.96	555.78	639.96	780.26	1019.69	1335.12	1683.51	2213.41	3013.70	5116.58
CDEO	576.63	626.78	717.86	889.49	1142.60	1409.13	1694.02	2146.64	2915.21	5137.76

Table B9: Models' average mean absolute prediction error (\mathcal{L}) by decile of predicted cost at sample size 5,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	823.15	555.90	631.90	860.48	1101.13	1540.49	1950.52	2427.09	3139.43	5123.35
LOGOLSHET	431.30	567.50	688.57	816.60	1031.93	1331.88	1709.15	2170.82	2891.03	6480.89
SQRTOLSHET	451.16	528.18	664.82	878.72	1089.47	1422.35	1840.52	2266.38	2951.12	5067.67
GLMLOGP	477.64	625.26	746.17	906.93	1131.35	1337.55	1734.70	2182.37	2859.00	5381.39
GLMLOGG	431.00	565.77	684.20	819.89	1023.22	1333.50	1701.53	2167.19	2890.53	6521.88
GLMSQRTP	405.98	531.14	661.24	856.03	1079.96	1400.72	1803.69	2236.63	2930.65	5086.55
GLMSQRTG	406.69	523.08	654.88	846.33	1064.11	1435.75	1765.19	2241.50	2942.36	4978.86
LOGNORM	502.29	582.93	648.20	841.26	1049.65	1324.72	1618.63	2064.72	2789.15	5903.89
GG	607.39	633.99	727.07	887.22	1142.93	1353.45	1624.78	2046.48	2756.94	5691.36
GB2LOG	614.49	642.18	734.34	900.43	1159.46	1376.05	1637.34	2068.12	2787.27	6028.33
GB2SQRT	549.51	580.31	696.52	918.68	1229.69	1411.57	1668.49	2140.93	2835.99	4816.42
FMMLOGG	460.53	598.19	720.21	864.41	1059.81	1314.83	1694.76	2139.13	2823.88	5797.27
FMMSQRTG	424.65	554.36	697.88	868.73	1084.75	1416.72	1760.39	2185.57	2866.85	4867.40
EEE	413.78	534.75	653.24	833.36	1025.46	1399.82	1727.13	2217.48	2948.43	5414.48
CDEM	478.12	554.96	638.92	778.62	1017.52	1334.62	1678.98	2206.38	3002.68	5088.50
CDEO	581.02	628.72	709.23	898.91	1127.09	1411.07	1695.33	2146.62	2915.49	5133.30

Table B10: Models' average mean absolute prediction error (\mathcal{L}) by decile of predicted cost at sample size 10,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	768.85	541.26	610.06	881.75	1069.10	1551.55	1933.73	2409.88	3113.74	5082.23
LOGOLSHET	429.58	561.83	688.53	807.53	1024.78	1329.72	1704.85	2164.61	2880.53	6430.87
SQRTOLSHET	422.32	539.92	640.41	893.53	1058.08	1413.50	1840.22	2257.59	2931.13	5041.73
GLMLOGP	480.08	618.62	756.96	878.99	1138.11	1328.83	1746.09	2149.72	2853.08	5307.87
GLMLOGG	431.81	560.11	684.30	814.80	1015.15	1331.36	1698.38	2162.99	2879.88	6467.43
GLMSQRTP	396.93	534.22	650.66	866.29	1055.36	1395.82	1798.02	2233.11	2914.62	5062.77
GLMSQRTG	405.92	521.15	647.28	852.27	1039.32	1459.18	1744.01	2236.95	2932.55	4959.75
LOGNORM	500.44	584.59	645.16	844.44	1053.92	1318.84	1609.03	2065.50	2783.57	5862.68
GG	611.60	629.46	722.95	877.98	1144.29	1330.65	1638.31	2042.62	2750.67	5648.39
GB2LOG	619.63	635.77	732.23	894.72	1155.89	1352.95	1654.53	2062.14	2782.81	5978.79
GB2SQRT	553.94	575.79	690.26	919.19	1235.06	1399.53	1658.93	2139.57	2830.54	4810.14
FMMLOGG	461.64	596.10	713.92	864.25	1043.18	1293.90	1704.38	2120.48	2810.22	5783.08
FMMSQRTG	426.90	554.34	687.22	870.68	1059.59	1428.87	1739.51	2170.59	2851.74	4849.70
EEE	412.88	535.05	649.33	837.32	1004.28	1413.33	1708.59	2212.19	2930.73	5337.10
CDEM	474.76	556.18	640.39	776.69	1017.12	1337.97	1671.41	2201.47	2990.46	5050.98
CDEO	584.29	627.26	708.12	905.02	1116.05	1402.84	1704.46	2140.35	2913.49	5109.27

Table B11: Models' average mean absolute prediction error (\mathcal{L}) by decile of predicted cost at sample size 50,000

Model	Decile of predicted cost									
	1	2	3	4	5	6	7	8	9	10
OLS	761.93	538.22	613.63	882.50	1061.12	1553.78	1932.49	2407.91	3111.01	5077.11
LOGOLSHET	430.25	562.48	687.36	805.11	1025.77	1329.85	1703.25	2165.65	2877.75	6411.24
SQRTOLSHET	418.79	544.34	632.39	898.00	1053.61	1411.66	1839.24	2258.54	2928.42	5037.66
GLMLOGP	481.31	616.64	760.43	872.17	1138.80	1329.53	1749.36	2141.91	2853.14	5296.89
GLMLOGG	432.92	560.49	683.34	812.21	1017.80	1329.84	1697.54	2163.70	2877.59	6444.67
GLMSQRTP	396.72	535.84	647.29	869.59	1051.08	1391.81	1798.97	2234.50	2912.49	5058.61
GLMSQRTG	407.62	518.79	648.16	851.77	1037.56	1462.26	1739.84	2237.83	2931.44	4956.07
LOGNORM	499.05	585.58	645.14	842.99	1054.22	1319.81	1607.29	2065.35	2782.88	5858.31
GG	613.13	629.43	722.41	875.78	1142.98	1327.14	1643.17	2040.20	2749.96	5643.64
GB2LOG	621.73	634.84	732.10	893.66	1152.43	1347.92	1661.59	2060.34	2782.50	5973.69
GB2SQRT	555.68	575.06	688.65	919.95	1234.31	1399.84	1656.56	2140.01	2829.95	4810.15
FMMLOGG	462.06	595.23	714.82	867.91	1040.55	1288.38	1707.44	2118.45	2808.24	5769.40
FMMSQRTG	426.74	555.77	686.13	872.24	1057.40	1432.20	1734.65	2168.91	2850.22	4845.77
EEE	413.77	533.85	651.76	836.46	1006.16	1408.20	1710.56	2210.26	2926.58	5312.42
CDEM	474.63	554.41	641.63	776.70	1016.61	1339.16	1670.01	2201.30	2988.91	5045.26
CDEO	584.83	627.99	705.53	907.38	1110.80	1404.08	1705.17	2140.17	2913.84	5106.01

Table B12: Models' average mean absolute prediction error (\pounds) by decile of predicted cost at sample size 100,000

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-2.46 (1.87)	7.49 (0.00)	8.40 (0.00)	2.11 (0.09)
β	-3524.10 (32871.71)	113.56 (15.16)	31.89 (1.98)	7432.02 (773.24)

Table B13: Regression coefficients for OLS response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-148.13 (2.31)	7.50 (0.00)	8.50 (0.00)	2.29 (0.09)
β	27441.85 (40826.75)	47.30 (11.91)	64.37 (18.59)	8147.63 (717.13)

Table B14: Regression coefficients for LOGOLSHET response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-2.44 (1.88)	7.44 (0.00)	8.39 (0.00)	2.11 (0.09)
β	4161.85 (33067.30)	72.66 (10.43)	23.83 (1.29)	7496.99 (828.20)

Table B15: Regression coefficients for SQRTOLSHET response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-1.75 (1.95)	7.45 (0.00)	8.41 (0.00)	2.14 (0.09)
β	-8381.67 (35203.29)	73.77 (9.66)	76.03 (7.89)	7947.14 (721.92)

Table B16: Regression coefficients for GLMLOGP response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-151.94 (2.37)	7.50 (0.00)	8.50 (0.00)	2.37 (0.08)
β	12368.49 (41957.46)	44.87 (12.24)	72.04 (19.88)	7680.98 (735.76)

Table B17: Regression coefficients for GLMLOGG response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-2.40 (1.87)	7.43 (0.00)	8.39 (0.00)	2.11 (0.09)
β	4768.78 (33017.63)	47.11 (8.07)	21.02 (1.08)	7661.16 (707.81)

Table B18: Regression coefficients for GLMSQRTP response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	43.86 (1.74)	7.43 (0.00)	8.40 (0.00)	2.01 (0.09)
β	6300.86 (30958.31)	32.27 (6.43)	14.78 (1.35)	8004.18 (702.89)

Table B19: Regression coefficients for GLMSQRTG response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	63.69 (1.55)	7.45 (0.00)	8.47 (0.00)	1.92 (0.08)
β	-6348.01 (27826.75)	24.95 (6.92)	36.18 (9.83)	8009.81 (687.22)

Table B20: Regression coefficients for LOGNORM response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	52.17 (1.70)	7.46 (0.00)	8.46 (0.00)	1.89 (0.10)
β	-47610.97 (30514.46)	36.78 (7.41)	40.14 (8.65)	8123.00 (830.41)

Table B21: Regression coefficients for GG response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-60.42 (2.21)	7.49 (0.00)	8.48 (0.00)	2.29 (0.09)
β	-30592.30 (41448.16)	32.25 (10.48)	40.50 (12.11)	7699.85 (733.74)

Table B22: Regression coefficients for GB2LOG response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	134.39 (1.62)	7.43 (0.00)	8.41 (0.00)	2.01 (0.08)
β	-4550.79 (29380.16)	17.68 (5.35)	6.36 (1.41)	7719.11 (688.62)

Table B23: Regression coefficients for GB2SQRT response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-0.61 (2.70)	7.46 (0.00)	8.45 (0.00)	2.44 (0.08)
β	-13166.18 (50627.97)	60.05 (14.09)	83.16 (19.16)	8279.92 (757.08)

Table B24: Regression coefficients for FMMLOGG response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	142.12 (2.85)	7.42 (0.00)	8.40 (0.00)	2.28 (0.07)
β	-93880.38 (67740.82)	80.92 (20.79)	27.85 (6.12)	7461.19 (779.31)

Table B25: Regression coefficients for FMMSQRTG response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-25.08 (2.35)	7.44 (0.00)	8.40 (0.00)	2.36 (0.08)
β	-96992.48 (44199.43)	78.57 (12.04)	58.99 (7.25)	7962.63 (726.73)

Table B26: Regression coefficients for EEE response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-2.52 (1.86)	7.42 (0.00)	8.39 (0.00)	2.08 (0.08)
β	9424.60 (32387.59)	39.46 (6.22)	22.01 (1.16)	8165.22 (685.22)

Table B27: Regression coefficients for CDEM response surface regressions

	Response surface regressions			
Regression coefficient	MPE	LMAPE	LRMSE	LADMPE
α	-13.02 (1.91)	7.45 (0.00)	8.40 (0.00)	2.16 (0.09)
β	6579.60 (33749.36)	15.36 (6.44)	8.26 (1.00)	7808.60 (741.31)

Table B28: Regression coefficients for CDEO response surface regressions