1 Evaporites

1.1 SHC

Table 1: Logs - SHC - Polynomial regression

Format	Coff.	Logs	R2	MAE
$y = a_0 + a_1x_1 + a_2x_1^2$	$a_0 = 5773.19491675528, a_1 = -2565.5882280398678, a_2 = 267.0884472651158$	RHOB	0.6280	155.9266
	$a_0 = 697.4329319302657, a_1 = 2457.6658496249006, a_2 = -173.38211039564135$	PHIN	0.7277	132.4948
	$a_0 = 1339.1144829338086, a_1 = -13.320765275868203, a_2 = 0.9055471955365921$	VSH	$1.5592e-05$	273.5052
	$a_0 = 2208.2659256266484, a_1 = -79.27135714793704, a_2 = -1.8956638612025107$	U	0.3622	208.4168
	$a_0 = -102.8982241471424, a_1 = 4.270361915230663, a_2 = 0.005002737274221222$	DT	0.9239	70.6150
	$a_0 = 3450.946353850938, a_1 = -333.4370329929539, a_2 = 10.577487401789066$	AI	0.8825	86.7238
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_1^2 + a_4x_1x_2 + a_5x_2^2$	$a_0 = -613.5113847380637, a_1 = 1300.275788392682, a_2 = 8655.821940689937, a_3 = -304.4362006260282, a_4 = -2594.013846432339, a_5 = -2323.8689945214114$	RHOB, PHIN	0.8352	103.3681
	$a_0 = 5309.455281552122, a_1 = -2223.5295527587427, a_2 = 620.7119275293495, a_3 = 212.00449000878191, a_4 = -304.4170180047382, a_5 = -27.81275674495641$	RHOB, VSH	0.6324	155.0439
	$a_0 = 6185.0369699779585, a_1 = -2394.0394750135024, a_2 = -130.070723782612, a_3 = -56.829157279457725, a_4 = 159.01197969201425, a_5 = -14.63603339379793$	RHOB, U	0.6841	142.9730
	$a_0 = -14370.47846345649, a_1 = 9082.534661760577, a_2 = 32.742340301004795, a_3 = -1445.128880354272, a_4 = -9.024477413647714, a_5 = -0.009248320129115832$	RHOB, DT	0.9305	66.8611
	$a_0 = -2222.2310499977766, a_1 = 5317.566174218392, a_2 = -571.7542159819668, a_3 = -994.5869424526409, a_4 = 16.01973624630951, a_5 = 17.3901478349197$	RHOB, AI	0.9276	68.3916

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 812.9330862098998, a_1 = 2715.6325080531615, a_2 = -609.9604034649484, a_3 = -1166.4668590054193, a_4 = 1331.1319308577247, a_5 = -148.94703335498156$	PHIN, VSH	0.7818	115.8644
	$a_0 = -188.1960319337677, a_1 = 5139.382049437046, a_2 = 126.9594096888176, a_3 = -1811.860870558301, a_4 = -208.2857930066236, a_5 = -4.32267461138854$	PHIN, U	0.7310	131.7617
	$a_0 = -25.622516280862328, a_1 = 268.0325499522135, a_2 = 4.162597542844314, a_3 = -624.3403140877521, a_4 = 3.1581217142228493, a_5 = 0.0006454076924865486$	PHIN, DT	0.9509	55.9302
	$a_0 = 1628.9480548436966, a_1 = 4129.469989274995, a_2 = -115.61582024099242, a_3 = -2353.888150997534, a_4 = -212.70070394184725, a_5 = 3.866446691264797$	PHIN, AI	0.9329	65.6599
	$a_0 = 3829.3110815084574, a_1 = -1465.6735817874085, a_2 = -318.5647869531853, a_3 = 168.91478987511303, a_4 = 76.19726208750023, a_5 = 7.4246672163998655$	VSH, U	0.4992	182.3756
	$a_0 = -104.04993196896498, a_1 = -428.311626405089, a_2 = 4.99787231880469, a_3 = -27.374535605258227, a_4 = 1.0640497218654423, a_5 = 0.0030770196605498456$	VSH, DT	0.9372	63.7405
	$a_0 = 3387.109337783514, a_1 = 66.2635902170199, a_2 = -315.02994728506303, a_3 = -42.08947219560735, a_4 = -19.566481388867718, a_5 = 9.890466987531312$	VSH, AI	0.8918	83.0755
	$a_0 = -1365.06108690825, a_1 = 193.43013416090986, a_2 = 8.200763489185302, a_3 = -7.2855255563604215, a_4 = -0.29269578694396564, a_5 = 0.0018601497149940784$	U, DT	0.9316	66.8250
	$a_0 = 3158.432992569148, a_1 = 111.38774129155361, a_2 = -368.310747062199, a_3 = -11.200058771784724, a_4 = 8.557473016831365, a_5 = 8.59469205297324$	U, AI	0.8964	81.4827
	$a_0 = -14348.132037877647, a_1 = 74.25100100538039, a_2 = 1055.1869187310576, a_3 = -0.0816288474473398, a_4 = -2.551618468290541, a_5 = -19.749897556036075$	DT, AI	0.9294	67.5642
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_1^2 + a_5x_1x_2 + a_6x_1x_3 + a_7x_2^2 + a_8x_2x_3 + a_9x_3^2$	$a_0 = -1066.3031919121456, a_1 = 1777.9350187273265, a_2 = 9492.452383374248, a_3 = -1375.3723474236895, a_4 = -405.7554345194374, a_5 = -2862.7672399396, a_6 = 325.85104659315346, a_7 = -3361.142113103805, a_8 = 1578.3540881912581, a_9 = -122.37157586903798$	RHOB, PHIN, VSH	0.8739	88.1159

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -3084.679611130282, a_1 = 1593.5102408443588, a_2 = 12857.931221733377, a_3 = 351.2336832511223, a_4 = -288.01402577157774, a_5 = -2929.9328451117954, a_6 = -35.448672086392655, a_7 = -4073.718317913495, a_8 = -272.96104807295086, a_9 = -10.34164366334443$	RHOB, PHIN, U	0.8449	99.7468
	$a_0 = -9321.84753014479, a_1 = 5848.253886632809, a_2 = 3352.374268497514, a_3 = 19.69128292721972, a_4 = -920.0880248498088, a_5 = -837.3187918813331, a_6 = -5.030896910089152, a_7 = 221.32422632661158, a_8 = -3.574541464474351, a_9 = -0.002414613870040119$	RHOB, PHIN, DT	0.9546	53.6933
	$a_0 = -1721.8526261001928, a_1 = 3308.3151035815154, a_2 = 3905.7868281406886, a_3 = -306.57444260001773, a_4 = -291.20025920075483, a_5 = -1609.9090419966374, a_6 = -89.31491469697193, a_7 = -295.3688676204181, a_8 = 62.54468215623454, a_9 = 17.497475334401454$	RHOB, PHIN, AI	0.9547	53.6230
	$a_0 = 6121.7997161927005, a_1 = -1614.1334148286949, a_2 = -900.3425097032783, a_3 = -270.6887126127872, a_4 = -53.191492490655065, a_5 = -441.35881363110445, a_6 = 101.24118936358501, a_7 = 551.8036122902931, a_8 = 130.41574266200044, a_9 = -3.769338392466166$	RHOB, VSH, U	0.7227	133.7322
	$a_0 = -13610.511795619215, a_1 = 8618.026592214374, a_2 = 595.2113749421732, a_3 = 30.028632126548622, a_4 = -1373.895233257598, a_5 = -317.0614783723685, a_6 = -7.977271202727148, a_7 = 11.98587857571956, a_8 = -0.2560361878252683, a_9 = -0.008072588132793036$	RHOB, VSH, DT	0.9448	59.5089
	$a_0 = -2289.4903441567412, a_1 = 5288.6633048860995, a_2 = 621.0877574261692, a_3 = -571.2813121300079, a_4 = -944.0698873312584, a_5 = -442.78013853263985, a_6 = 14.057115909938059, a_7 = -4.517620796293798, a_8 = 24.13038444531584, a_9 = 16.984281238642247$	RHOB, VSH, AI	0.9394	62.2450
	$a_0 = -12524.483678379067, a_1 = 6498.814441590827, a_2 = 301.22164664832536, a_3 = 31.354080411632335, a_4 = -874.3697376356712, a_5 = -61.95577550000331, a_6 = -6.794257813953251, a_7 = -4.3698773463666845, a_8 = -0.3835126832582911, a_9 = -0.010245253756397926$	RHOB, U, DT	0.9368	63.8754

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -960.9787996895395, a_1 = 3365.898793448327, a_2 = 165.2024497386503, a_3 = -512.9719445125704, a_4 = -315.7731768581455, a_5 = -77.18081832334109, a_6 = -33.269988096640816, a_7 = -4.894927947140378, a_8 = 8.849382844287824, a_9 = 16.467473805870412$	RHOB, U, AI	0.9345	65.1115
	$a_0 = -23147.413874166567, a_1 = 0.004625988126575419, a_2 = 88.1860336168025, a_3 = 1065.8700759986139, a_4 = -48.08116325639877, a_5 = -11.315506013633254, a_6 = -326.7422534204416, a_7 = -0.07728102448375011, a_8 = 4.625988127227713, a_9 = 5.346517415898445$	RHOB, DT, AI	0.9349	64.3424
	$a_0 = 2088.423249288836, a_1 = 2965.007828536119, a_2 = -1626.3659254312036, a_3 = -190.2755560618434, a_4 = -1940.3969893992694, a_5 = 1654.4357593617324, a_6 = -38.32717702249156, a_7 = -12.122256139339214, a_8 = 77.73079217721812, a_9 = 7.045983288102918$	PHIN, VSH, U	0.8043	109.6294
	$a_0 = -105.78851783847244, a_1 = -438.0930415080854, a_2 = -457.1027475765278, a_3 = 6.707036069284795, a_4 = -2347.8730505126055, a_5 = 205.9457416517948, a_6 = 10.181866243432744, a_7 = -9.280936308174397, a_8 = 0.5152318087600286, a_9 = -0.009049531615574327$	PHIN, VSH, DT	0.9787	36.8364
	$a_0 = 1168.680434595219, a_1 = 5507.237282583114, a_2 = -540.6659368136754, a_3 = -37.61867116410568, a_4 = -3588.3147260803735, a_5 = 766.156022563052, a_6 = -293.7235856592669, a_7 = -45.80071910923991, a_8 = 9.808950130806261, a_9 = 1.0659389619576642$	PHIN, VSH, AI	0.9615	49.1385
	$a_0 = -784.2108641055663, a_1 = 579.9887977426336, a_2 = 117.98644053056663, a_3 = 5.3752166441886065, a_4 = -618.0202940789347, a_5 = -30.771536406734832, a_6 = 3.1129662200577584, a_7 = -4.653120205656703, a_8 = -0.07763045021240304, a_9 = -0.00023059128968748956$	PHIN, U, DT	0.9527	54.6371
	$a_0 = 411.30997343618264, a_1 = 5919.39699719435, a_2 = 191.76995959169136, a_3 = -99.88082878899155, a_4 = -3027.7472930237614, a_5 = -129.90055029424016, a_6 = -233.56415065978976, a_7 = -7.30584869760025, a_8 = -1.475780420007112, a_9 = 3.925680812553253$	PHIN, U, AI	0.9382	62.8309

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -9123.129430900353, a_1 = 2880.4977984145576, a_2 = 46.537290940716474, a_3 = 648.6613796198402, a_4 = 141.71089501144917, a_5 = -5.294426581621346, a_6 = -98.36483722806034, a_7 = -0.04769058969105169, a_8 = -1.4780401151875486, a_9 = -11.704691526944348$	PHIN, DT, AI	0.9549	53.3241
	$a_0 = 526.2377139251922, a_1 = -1427.79501217342, a_2 = -25.864592686685377, a_3 = 4.758563103583461, a_4 = 163.68752548587503, a_5 = 47.36052256128342, a_6 = 2.2058167906653163, a_7 = -1.186841919288748, a_8 = -0.03626614783742964, a_9 = 0.0018625939129263403$	VSH, U, DT	0.9616	49.0386
	$a_0 = 3669.2467536164913, a_1 = -790.3121369773071, a_2 = -26.98961068414154, a_3 = -290.65170678526556, a_4 = 314.99040677335694, a_5 = 76.86126770506849, a_6 = -43.26631880973657, a_7 = -4.3966810686129225, a_8 = 4.759018813462968, a_9 = 7.510019741173385$	VSH, U, AI	0.9196	71.5152
	$a_0 = -13918.319287299057, a_1 = 536.5530279838667, a_2 = 69.64377074938773, a_3 = 1055.4925490778232, a_4 = -16.80249042199706, a_5 = -1.133760350008729, a_6 = -44.451923441695875, a_7 = -0.07387572722563449, a_8 = -2.390044510001623, a_9 = -20.69792029685913$	VSH, DT, AI	0.9428	60.8383
	$a_0 = -14285.615896339295, a_1 = 317.65975720083287, a_2 = 69.82308374386733, a_3 = 870.7078764941375, a_4 = -5.091307468072492, a_5 = -0.6229891585878907, a_6 = -8.927942648438828, a_7 = -0.07265734222527738, a_8 = -1.9741446884392617, a_9 = -13.13055144422915$	U, DT, AI	0.9370	63.7688
$y = a_0+a_1x_1+a_2x_2+ a_3x_3 + a_4x_4 + a_5x_1^2 + a_6x_1x_2 + a_7x_1x_3 + a_8x_1x_4 + a_9x_2^2 + a_{10}x_2x_3 + a_{11}x_2x_4+a_{12}x_3^2+ a_{13}x_3x_4 + a_{14}x_4^2$	$a_0 = -821.378227555422, a_1 = 1909.8607561061692, a_2 = 9567.699050908755, a_3 = -2173.9191528065257, a_4 = -40.97051828063782, a_5 = -276.24341985142235, a_6 = -2923.6686483332405, a_7 = -152.86037396618156, a_8 = -59.5269840759691, a_9 = -3598.8466811591975, a_{10} = 2197.7232789517166, a_{11} = -17.57915010338932, a_{12} = 303.3265021907486, a_{13} = 155.12572828300202, a_{14} = 6.207664395693007$	RHOB, PHIN, VSH, U	0.8821	85.3634

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -7990.717529159323, a_1 = 4537.0795752042395, a_2 = -2990.2108924329186, a_3 = 938.2004720838905, a_4 = 26.88772096550441, a_5 = -638.472741949232, a_6 = 1011.7304950997544, a_7 = -457.28534354146655, a_8 = -6.223154409407083, a_9 = -1370.977579893175, a_{10} = -13.274846588365454, a_{11} = 9.358628391169333, a_{12} = 17.50557461449645, a_{13} = -0.7089507434520756, a_{14} = -0.018459583179852627$	RHOB, PHIN, VSH, DT	0.9816	34.2116
	$a_0 = 87.02776465258944, a_1 = 1771.2831104641764, a_2 = 1586.9542573203685, a_3 = 585.3747097443692, a_4 = -273.89648695199975, a_5 = -250.43536226645523, a_6 = 779.8432518321944, a_7 = -545.3261159450507, a_8 = 2.323692822113549, a_9 = -1443.9414024907257, a_{10} = 235.77219939819045, a_{11} = -184.0344607384916, a_{12} = -11.12368277682295, a_{13} = 36.41758860928037, a_{14} = 8.18594867387555$	RHOB, PHIN, VSH, AI	0.9794	36.2999
	$a_0 = -10439.695328924887, a_1 = 4812.324578408781, a_2 = 6965.496513257816, a_3 = 439.3177158447513, a_4 = 18.227374533708346, a_5 = -497.55466805692646, a_6 = -2457.6378334708197, a_7 = -137.70646279623844, a_8 = -1.9126358731757838, a_9 = 737.6142471351534, a_{10} = 105.18325953846059, a_{11} = -8.20515881696364, a_{12} = 0.3351691270365179, a_{13} = -0.6251821021011829, a_{14} = 0.00023415777109343018$	RHOB, PHIN, U, DT	0.9574	51.9404
	$a_0 = -3351.224484162043, a_1 = 3311.234532984908, a_2 = 6541.860842556644, a_3 = 281.3556973818936, a_4 = -305.693980420014, a_5 = 274.93688918921686, a_6 = -3291.1160178117575, a_7 = -165.5847944466291, a_8 = -156.9902651528918, a_9 = -156.89891880144825, a_{10} = 34.38300959638881, a_{11} = 146.84507596756322, a_{12} = -1.0860524899178625, a_{13} = 11.461387428259735, a_{14} = 18.894189857667524$	RHOB, PHIN, U, AI	0.9573	52.0352
	$a_0 = -15437.130792442367, a_1 = 0.0039046745445628834, a_2 = 3954.893290123485, a_3 = 55.26138497517955, a_4 = 670.8027965384614, a_5 = 243.1969718258291, a_6 = -370.79523199504973, a_7 = -9.77587379563713, a_8 = -309.6591530822627, a_9 = 234.72094252917054, a_{10} = -6.616926459019706, a_{11} = -97.99970166458853, a_{12} = -0.038875611582312695, a_{13} = 3.9046745493227117, a_{14} = 10.921810507830987$	RHOB, PHIN, DT, AI	0.9576	51.5892

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -6994.663130307332, a_1 = 4226.957698979786, a_2 = -1479.0531987836312, a_3 = 57.30875057225009, a_4 = 19.20651430640683, a_5 = -532.3162710070839, a_6 = 174.6805488818052, a_7 = -51.60066393504054, a_8 = -4.0501345686275, a_9 = 19.798875112889988, a_{10} = 17.304419574651302, a_{11} = 2.1483182086619075, a_{12} = 1.5713468581429886, a_{13} = -0.0949160432981101, a_{14} = -0.005160822086798302$	RHOB, VSH, U, DT	0.9715	42.0849
	$a_0 = 579.2089350673824, a_1 = 2296.309500712348, a_2 = -675.9538465970771, a_3 = 52.92018526697994, a_4 = -441.639407322076, a_5 = -96.28217452567482, a_6 = 236.98974332219228, a_7 = -70.03520220049302, a_8 = -26.094722162810527, a_9 = -8.99630655155294, a_{10} = 8.053884203643618, a_{11} = -29.886955351646986, a_{12} = 0.02891589291916266, a_{13} = 5.763725312595716, a_{14} = 13.913911271628447$	RHOB, VSH, U, AI	0.9654	46.1500
	$a_0 = -21142.898789990348, a_1 = 0.005026308570361922, a_2 = -31.706296684847086, a_3 = 77.49849887187771, a_4 = 902.3182784083905, a_5 = -85.02303230902103, a_6 = -588.956299127104, a_7 = -10.857892057309979, a_8 = -306.15205222585274, a_9 = 14.276122330580543, a_{10} = 2.106237710376858, a_{11} = 70.33145059969807, a_{12} = -0.06520151558592875, a_{13} = 5.0263085711035895, a_{14} = 6.084337227365424$	RHOB, VSH, DT, AI	0.9474	57.9041
	$a_0 = -20833.786136415893, a_1 = 0.0025262417732892463, a_2 = 265.47098599822067, a_3 = 83.36304678603334, a_4 = 1001.2599304415899, a_5 = 482.95622966621386, a_6 = -76.08922022555541, a_7 = -9.524861288761189, a_8 = -321.6798097784426, a_9 = -4.198272623597755, a_{10} = -0.25970264202934473, a_{11} = 3.6368733315535295, a_{12} = -0.07376022549998354, a_{13} = 2.5262417741973344, a_{14} = 4.948461529880486$	RHOB, U, DT, AI	0.9407	61.4531
	$a_0 = 944.854933536768, a_1 = 309.7119466625382, a_2 = -1094.1278987013818, a_3 = -86.45551996254594, a_4 = 2.7975221879380405, a_5 = -2783.1869112784507, a_6 = 232.38196004625294, a_7 = -86.05159700919302, a_8 = 10.49605612092369, a_9 = 67.80552065361078, a_{10} = 31.341547606683616, a_{11} = 1.406275151917703, a_{12} = 0.5705767870646004, a_{13} = 0.25482376400218876, a_{14} = -0.00687973659854866$	PHIN, VSH, U, DT	0.9839	32.0815

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 1229.3634847100398, a_1 = 5930.843391558353, a_2 = -1291.9079152706745, a_3 = -24.595658825491366, a_4 = 6.158820594644976, a_5 = -3841.561044332431, a_6 = 1075.869787071239, a_7 = -45.00425034662565, a_8 = -304.8259262024504, a_9 = 164.14155015998577, a_{10} = 75.6390926445378, a_{11} = -11.25603268577965, a_{12} = 1.9605999543581236, a_{13} = -4.2615718502860345, a_{14} = 1.4026742622211505$	PHIN, VSH, U, AI	0.9653	46.8904
	$a_0 = -6632.357906428985, a_1 = -1799.7138479370442, a_2 = 660.1316677206072, a_3 = 38.42169438622076, a_4 = 456.30192197787966, a_5 = -1592.1605782117015, a_6 = 83.18016250627373, a_7 = 11.113121454120218, a_8 = 79.2535499443927, a_9 = -6.641974478212246, a_{10} = -1.8538418095139595, a_{11} = -51.13820002373711, a_{12} = -0.046904105682972784, a_{13} = -1.0884289951137605, a_{14} = -8.128561503881777$	PHIN, VSH, DT, AI	0.9807	35.0531
	$a_0 = -11837.689442287494, a_1 = 5965.752729281295, a_2 = 405.0381478824244, a_3 = 49.21953484091512, a_4 = 678.8959026275356, a_5 = 541.834716974763, a_6 = 57.96986008954637, a_7 = -13.910974411460156, a_8 = -273.83993799178353, a_9 = -1.5344783342676889, a_{10} = -0.9389307455458817, a_{11} = -16.209949999432467, a_{12} = -0.038855141877317846, a_{13} = -1.0969897971058111, a_{14} = -8.270069354585893$	PHIN, U, DT, AI	0.9575	51.6518
	$a_0 = -7724.609961123722, a_1 = -1408.1768984597404, a_2 = 28.691932913091506, a_3 = 40.69932495387351, a_4 = 554.6253726387896, a_5 = 34.32551886611354, a_6 = 17.67036741903937, a_7 = 2.6969821305036836, a_8 = 19.096751330882682, a_9 = 0.7954798954827186, a_{10} = -0.18543437866846627, a_{11} = -5.396256526324024, a_{12} = -0.04000541629384784, a_{13} = -0.9985133693846172, a_{14} = -9.371295594068188$	VSH, U, DT, AI	0.9707	42.8214

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5 + a_6x_1^2 + a_7x_1x_2 + a_8x_1x_3 + a_9x_1x_4 + a_{10}x_1x_5 + a_{11}x_2^2 + a_{12}x_2x_3 + a_{13}x_2x_4 + a_{14}x_2x_5 + a_{15}x_3^2 + a_{16}x_3x_4 + a_{17}x_3x_5 + a_{18}x_4^2 + a_{19}x_4x_5 + a_{20}x_5^2$	$a_0 = -5963.939188635416, a_1 = 2892.77310926408, a_2 = 253.37166394593487, a_3 = 43.88268866671497, a_4 = 152.2882860661754, a_5 = 18.142804538730505, a_6 = -200.23119480495905, a_7 = 68.70465919095673, a_8 = -285.8606632925714, a_9 = -88.14211694813933, a_{10} = -3.292053981447269, a_{11} = -1337.6292029787367, a_{12} = -139.36597980447704, a_{13} = -35.03024720014835, a_{14} = 5.471391834701847, a_{15} = 13.743398923858196, a_{16} = 12.930817666650983, a_{17} = 0.6642500427220863, a_{18} = 2.534341021541936, a_{19} = -0.08609808488649225, a_{20} = -0.011164094003113448$	RHOB, PHIN, VSH, U, DT	0.9887	26.7341
	$a_0 = -182.45990430663983, a_1 = 1068.3797156538287, a_2 = 3507.6414296817015, a_3 = 267.47863447953034, a_4 = 163.16118611456332, a_5 = -236.29835976139958, a_6 = 384.42740226699465, a_7 = -490.227221106024, a_8 = -458.08173125010416, a_9 = -128.1058276642065, a_{10} = -62.118978978724385, a_{11} = -1338.7220921503472, a_{12} = 271.01543892843534, a_{13} = -12.356523139604679, a_{14} = -97.16860865059292, a_{15} = 9.50587071523254, a_{16} = 21.131446618423446, a_{17} = 18.969181605954176, a_{18} = 2.534063610096302, a_{19} = 5.500160012127751, a_{20} = 10.158964770570279$	RHOB, PHIN, VSH, U, AI	0.9858	29.9509
	$a_0 = -11322.246110850581, a_1 = 0.004046176597978026, a_2 = -1873.5930578312507, a_3 = 405.17111148530233, a_4 = 44.43074391648607, a_5 = 347.2840768746303, a_6 = 163.97057991591072, a_7 = 1506.3228790174578, a_8 = -674.8910544247863, a_9 = -10.858507318629318, a_{10} = -222.7841658575588, a_{11} = -1295.8574818831737, a_{12} = -13.823750859891264, a_{13} = 4.803804391989046, a_{14} = -122.34161074025944, a_{15} = 17.78594260281928, a_{16} = 1.267530299557756, a_{17} = 57.31591453790887, a_{18} = -0.03088903468012171, a_{19} = 4.046176597855822, a_{20} = 9.37279551632145$	RHOB, PHIN, VSH, DT, AI	0.9823	33.4360

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -16316.378338505976, a_1 = 0.002696908169397886, a_2 = 7385.895602175065, a_3 = 423.86433592944394, a_4 = 53.36011797846704, a_5 = 668.1800406306563, a_6 = 543.8492365927493, a_7 = -1894.9227932484189, a_8 = -126.89467429393527, a_9 = -5.90676784899041, a_{10} = -276.8575835619037, a_{11} = 676.5304425837468, a_{12} = 94.4565896136568, a_{13} = -10.910072958801674, a_{14} = -95.99300762974755, a_{15} = 0.11923563468939814, a_{16} = -0.6143492616890394, a_{17} = -0.5279442494427119, a_{18} = -0.03719326731143863, a_{19} = 2.696908169574921, a_{20} = 8.730062952676262$	RHOB, PHIN, U, DT, AI	0.9601	49.9547
	$a_0 = -11213.122210558991, a_1 = 0.0029197417592258324, a_2 = -1987.3220506590142, a_3 = -16.899522447926874, a_4 = 44.46202315239584, a_5 = 476.02965998563616, a_6 = 390.019652250127, a_7 = -133.2866419411775, a_8 = -100.27063119830675, a_9 = -7.729845126310084, a_{10} = -223.64021028182356, a_{11} = 31.867162202498736, a_{12} = 21.68830870255936, a_{13} = 4.350454495077718, a_{14} = 65.81672771623057, a_{15} = 1.8278750490685665, a_{16} = 0.24411058166046826, a_{17} = 10.04845515653332, a_{18} = -0.03407510907309444, a_{19} = 2.919741759988457, a_{20} = 4.404890276107014$	RHOB, VSH, U, DT, AI	0.9723	41.4463
	$a_0 = -5875.4810469867725, a_1 = 879.6974160129719, a_2 = -160.69565240414587, a_3 = 108.47449802570634, a_4 = 29.040643329217684, a_5 = 370.38123712459, a_6 = -1494.4361197622666, a_7 = -120.83217012609538, a_8 = -58.65513631239504, a_9 = 5.082473217666023, a_{10} = -9.795225043742564, a_{11} = -14.39938466686768, a_{12} = 3.294031598645281, a_{13} = 0.2080752516575195, a_{14} = -24.857147702662033, a_{15} = 1.2127942055900576, a_{16} = -0.2364169993600701, a_{17} = -9.100312358350997, a_{18} = -0.030108224311651735, a_{19} = -0.5257538964079208, a_{20} = -4.405930189901268$	PHIN, VSH, U, DT, AI	0.9881	27.4616

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Table 1: Logs - SHC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
$y = a_0+a_1x_1+a_2x_2+a_3x_3+a_4x_4+a_5x_5+a_6x_6+a_7x_1^2+a_8x_1x_2+a_9x_1x_3+a_{10}x_1x_4+a_{11}x_1x_5+a_{12}x_1x_6+a_{13}x_2^2+a_{14}x_2x_3+a_{15}x_2x_4+a_{16}x_2x_5+a_{17}x_2x_6+a_{18}x_3^2+a_{19}x_3x_4+a_{20}x_3x_5+a_{21}x_3x_6+a_{22}x_4^2+a_{23}x_4x_5+a_{24}x_4x_6+a_{25}x_5^2+a_{26}x_5x_6+a_{27}x_6^2$	$a_0 = -8470.672087647876, a_1 = 0.0024486126615590005, a_2 = 742.2207345371635, a_3 = -317.40426859202313, a_4 = 115.50835939719482, a_5 = 31.87937729489394, a_6 = 273.02927416847854, a_7 = 423.7834703850148, a_8 = 320.5467061395023, a_9 = -486.33738732444857, a_{10} = -111.36737499336252, a_{11} = -6.681362063350765, a_{12} = -160.73047146260976, a_{13} = -1293.946748651573, a_{14} = -125.33899831478236, a_{15} = -33.78099911380341, a_{16} = 3.31029648281747, a_{17} = -59.86240158402537, a_{18} = 20.87411559649047, a_{19} = 15.800268548421645, a_{20} = 2.1438934959299387, a_{21} = 44.45939807892291, a_{22} = 2.6628432415618644, a_{23} = 0.0758498901100155, a_{24} = 4.863964769562944, a_{25} = -0.022889417415154732, a_{26} = 2.4486126640382633, a_{27} = 4.752696814202323$	RHOB, PHIN, VSH, U, DT, AI	0.9890	26.3674

1.2 TC

Table 2: Logs - TC - Polynomial regression

Format	Coff.	Logs	R2	MAE
$y = a_0 + a_1x_1 + a_2x_1^2$	$a_0 = 5.136485571749714, a_1 = -3.7854163757801347, a_2 = 1.1901657767967975$	RHOB	0.1544	0.5684
	$a_0 = 4.772031233192672, a_1 = -10.41298553707623, a_2 = 8.494068215534055$	PHIN	0.7261	0.3249

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 3.361499445242914, a_1 = -2.217066245325011, a_2 = 0.6263784457394672$	VSH	0.1970	0.5674
	$a_0 = 1.8882987828192426, a_1 = -0.15529287739056521, a_2 = 0.026550355637309103$	U	0.4781	0.4533
	$a_0 = 5.5900595365736985, a_1 = -0.012769678906927153, a_2 = 6.021451221194223e-06$	DT	0.2835	0.5235
	$a_0 = 0.38274463761479627, a_1 = 0.33490140476880403, a_2 = -0.008319657622288326$	AI	0.2510	0.5346
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_1^2 + a_4x_1x_2 + a_5x_2^2$	$a_0 = 22.64661175771278, a_1 = -12.155693885779616, a_2 = -31.68564358217731, a_3 = 2.0042875465836056, a_4 = 7.669927058201229, a_5 = 13.907761012383167$	RHOB, PHIN	0.7766	0.2946
	$a_0 = 2.9564824108539667, a_1 = -1.3615758071933095, a_2 = -1.0770423803631461, a_3 = 0.6666141144246959, a_4 = -0.4460865815754542, a_5 = 0.585964408475001$	RHOB, VSH	0.3268	0.5021
	$a_0 = 2.7096708122128392, a_1 = -5.5495560650541655, a_2 = 0.9931143707484756, a_3 = 2.9159281046853462, a_4 = -0.8095907207137253, a_5 = 0.062288029125738505$	RHOB, U	0.5211	0.4327
	$a_0 = 43.88652806506747, a_1 = -27.445225743811005, a_2 = -0.05279720229073648, a_3 = 4.816193042447646, a_4 = 0.016636877088583184, a_5 = 1.8841642317797108e-06$	RHOB, DT	0.3144	0.5140
	$a_0 = 12.73199986758937, a_1 = -9.11511090237049, a_2 = 0.33734802516590956, a_3 = 0.5641827036245678, a_4 = 0.42754805484655556, a_5 = -0.049468302042063095$	RHOB, AI	0.3059	0.5164
	$a_0 = 5.228099079352961, a_1 = -9.709816867715654, a_2 = -2.483014820991405, a_3 = 4.405090113710367, a_4 = 6.026124373342598, a_5 = -0.26178794851808695$	PHIN, VSH	0.8073	0.2718
	$a_0 = 0.09226871872213138, a_1 = 0.745643270790657, a_2 = 0.6308243187995551, a_3 = 2.134440102223445, a_4 = -0.7906776527460427, a_5 = -0.019643430776149662$	PHIN, U	0.7476	0.3139
	$a_0 = 4.004041230403921, a_1 = -2.9490152805917087, a_2 = -0.006812840733557551, a_3 = 22.46532601533409, a_4 = -0.06675175253364485, a_5 = 6.158053772339687e-05$	PHIN, DT	0.7867	0.2907

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 11.692344689523516, a_1 = -26.9692352825526, a_2 = -0.8597110791795907, a_3 = 18.99708016542804, a_4 = 0.9887329824816179, a_5 = 0.025424149662809287$	PHIN, AI	0.7893	0.2879
	$a_0 = -0.12886621037403634, a_1 = 3.3538535936596547, a_2 = 0.2285908337755261, a_3 = -1.060355734361528, a_4 = -0.3581726195235635, a_5 = 0.010063380120699244$	VSH, U	0.5036	0.4440
	$a_0 = 5.582618790143365, a_1 = -3.4195879870742854, a_2 = -0.00699612984757041, a_3 = 0.49776387084157486, a_4 = 0.005805361993113225, a_5 = -7.434948668498587e-06$	VSH, DT	0.4366	0.4521
	$a_0 = 0.3343727200681963, a_1 = -1.1376557373370941, a_2 = 0.4552246655261793, a_3 = 0.5389327982158943, a_4 = -0.09369706714536422, a_5 = -0.013616642356232871$	VSH, AI	0.4105	0.4646
	$a_0 = 10.535055105604092, a_1 = -1.031292949520001, a_2 = -0.031048675531164815, a_3 = 0.047201765419827055, a_4 = 0.0017365210990786901, a_5 = 2.269966153628976e-05$	U, DT	0.5171	0.4335
	$a_0 = 0.8789699539963354, a_1 = -0.31944080044494566, a_2 = 0.36654269672964307, a_3 = 0.06060657931068064, a_4 = -0.05460224953524762, a_5 = 0.010027987797467856$	U, AI	0.5225	0.4320
	$a_0 = 76.18353651230171, a_1 = -0.32881656874948056, a_2 = -5.840946520860202, a_3 = 0.00036707407086916655, a_4 = 0.01260409745387706, a_5 = 0.1251528266481119$	DT, AI	0.3115	0.5156
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_1^2 + a_5x_1x_2 + a_6x_1x_3 + a_7x_2^2 + a_8x_2x_3 + a_9x_3^2$	$a_0 = 18.901189161750786, a_1 = -8.354542306473897, a_2 = -24.087693700903205, a_3 = -9.936302091915797, a_4 = 1.1585787328369113, a_5 = 4.629229938538604, a_6 = 3.05565053946494, a_7 = 8.158717243579176, a_8 = 9.063872649314366, a_9 = -0.5676313867070374$	RHOB, PHIN, VSH	0.8578	0.2367
	$a_0 = -1.2226383061951571, a_1 = -5.075221697472332, a_2 = 4.786299300100274, a_3 = 2.388513523967125, a_4 = 2.1671212797067567, a_5 = 0.9193513651286703, a_6 = -0.6754474099561741, a_7 = 0.5239999589113186, a_8 = -1.4971124608868644, a_9 = -0.021978023118751362$	RHOB, PHIN, U	0.8331	0.2571

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -26.80234648754717, a_1 = 17.1187237753816, a_2 = -27.04880081891201, a_3 = 0.11067288383882311, a_4 = -2.3211416758236667, a_5 = 7.539624741959901, a_6 = -0.034438649639746, a_7 = 21.460638967949578, a_8 = -0.03608345574302469, a_9 = -3.442527544275563e-$	RHOB, PHIN, DT	0.7930	0.2856
	$a_0 = 2.0058098531071793, a_1 = 14.828245272297972, a_2 = -34.10619457092238, a_3 = -2.249574662741354, a_4 = -5.247154630540228, a_5 = 3.6654259944059184, a_6 = 0.8987224286767003, a_7 = 19.706506270098505, a_8 = 0.8246684372644085, a_9 = -0.008436196517188245$	RHOB, PHIN, AI	0.7918	0.2865
	$a_0 = -0.6571062101965737, a_1 = -5.206057405283576, a_2 = 6.704932533260134, a_3 = 1.4330001830144188, a_4 = 3.6634962373977404, a_5 = -3.0412846714700894, a_6 = -1.084757179367491, a_7 = -0.6399102497900689, a_8 = -0.0028930881897550587, a_9 = 0.06926960654162181$	RHOB, VSH, U	0.5607	0.4142
	$a_0 = 46.741476005239456, a_1 = -28.136629346758284, a_2 = -10.685977748861172, a_3 = -0.0557687666320628, a_4 = 4.757839372415124, a_5 = 2.2373915467538734, a_6 = 0.018101026534607642, a_7 = 0.3217057726931264, a_8 = 0.014974504562864335, a_9 = -5.97555095095304e - 06$	RHOB, VSH, DT	0.4635	0.4439
	$a_0 = 10.57554832131894, a_1 = -4.2635846124254675, a_2 = -6.527741786312717, a_3 = -0.13814693409100112, a_4 = -1.7580227647077262, a_5 = 3.8170292129341585, a_6 = 0.9394696772834005, a_7 = 0.38035435937812184, a_8 = -0.43358936371958057, a_9 = -0.08033533599536462$	RHOB, VSH, AI	0.4644	0.4424
	$a_0 = -25.161686882870768, a_1 = 5.170221085761382, a_2 = 2.5491975064030385, a_3 = 0.09326062466866933, a_4 = 1.7071050846533464, a_5 = -1.0398967850960326, a_6 = -0.018844780178170956, a_7 = 0.03887951460264458, a_8 = -0.002517666355720567, a_9 = -7.175292125236335e - 05$	RHOB, U, DT	0.5847	0.4000
	$a_0 = -15.174630712488561, a_1 = 17.28974241685079, a_2 = 1.4984083944829971, a_3 = -1.813942356891848, a_4 = -4.8588424639655585, a_5 = -1.0572901576494336, a_6 = 1.3252654058654638, a_7 = 0.04580071835044835, a_8 = 0.03547617533911188, a_9 = -0.06917074873297635$	RHOB, U, AI	0.5805	0.4026

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 100.0409637940298, a_1 = 1.407311059731427e-05, a_2 = -0.42338228934078037, a_3 = -8.086670984413777, a_4 = -2.042749739340295, a_5 = 0.006439594555085883, a_6 = 0.9651142925058297, a_7 = 0.0004733678451254601, a_8 = 0.014073110590419883, a_9 = 0.09082573814075011$	RHOB, DT, AI	0.3234	0.5112
	$a_0 = 5.971092952173077, a_1 = -8.230646382106684, a_2 = -4.399016152865413, a_3 = -0.12279998167072644, a_4 = 3.0842143929171226, a_5 = 6.709327153686210 5, a_6 = -0.12349163141617008, a_7 = 0.1648605650322819, a_8 = 0.15787351624290014, a_9 = 0.005033855725938275$	PHIN, VSH, U	0.8091	0.2698
	$a_0 = 3.2562550934378383, a_1 = -7.877496842728531, a_2 = 0.6589841172753582, a_3 = 0.00594847318603545, a_4 = 13.47972909088351, a_5 = 10.096612013526864, a_6 = -0.03673339182497768, a_7 = -0.5641713133152082, a_8 = -0.015084336960519923, a_9 = 2.60747958996483e-05$	PHIN, VSH, DT	0.8514	0.2408
	$a_0 = 10.750842842728417, a_1 = -21.92662024371039, a_2 = -5.719502180196376, a_3 = -0.6209545737982847, a_4 = 12.037335163319039, a_5 = 9.72382757969555, a_6 = 0.6083307104490417, a_7 = -0.5208962847568968, a_8 = 0.2775700586787436, a_9 = 0.015173044524656766$	PHIN, VSH, AI	0.8583	0.2354
	$a_0 = 3.856332144850147, a_1 = 12.955349423022666, a_2 = 0.3269034609121055, a_3 = -0.03541003168531015, a_4 = 10.096544025617801, a_5 = -1.5138529408395247, a_6 = -0.04707759179675925, a_7 = -0.025155923775846772, a_8 = 0.002269290036283496, a_9 = 6.621234925682409e-05$	PHIN, U, DT	0.8139	0.2732
	$a_0 = -1.0503319980170844, a_1 = -0.6191113584062483, a_2 = 1.4072699290329884, a_3 = -0.30667246663643616, a_4 = 5.677482532753849, a_5 = -1.6107408687773916, a_6 = 0.5512878176255652, a_7 = -0.02458693881920386, a_8 = -0.0515409205048988, a_9 = 0.02724388979594703$	PHIN, U, AI	0.8304	0.2609
	$a_0 = 3.453129091197355, a_1 = -20.409550495890908, a_2 = 0.029176698874633037, a_3 = -0.17415732152466526, a_4 = 20.767243401768656, a_5 = -0.020969943071098698, a_6 = 0.7414393218363633, a_7 = -1.999310010500484e-05, a_8 = -0.0011826456191909908, a_9 = 0.010432981952803086$	PHIN, DT, AI	0.7901	0.2879

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 10.881469743997158, a_1 = 1.2459148990777866, a_2 = -1.0059339980218889, a_3 = -0.031341015109495836, a_4 = -0.9864777962968511, a_5 = -0.21048973339528992, a_6 = 0.0017575973995203023, a_7 = 0.04363652121963737, a_8 = 0.00188142779549418 5, a_9 = 1.7543640201423837e-05$	VSH, U, DT	0.5555	0.4136
	$a_0 = 0.14324229440856628, a_1 = 1.7840133894789933, a_2 = -0.3392874062963264, a_3 = 0.5663767245335493, a_4 = -0.9262962529647875, a_5 = -0.11686021612198752, a_6 = -0.10270148758193154, a_7 = 0.06350619333112983, a_8 = -0.06203255778706994, a_9 = 0.006181630022201245$	VSH, U, AI	0.5607	0.4126
	$a_0 = 92.24341264272647, a_1 = -11.19012680593843, a_2 = -0.4055034373624812, a_3 = -6.8976984661669976, a_4 = 0.42912927526058253, a_5 = 0.023360898138506784, a_6 = 0.3612728465316, a_7 = 0.0004567802359486493, a_8 = 0.015478660397599714, a_9 = 0.13972682777240672$	VSH, DT, AI	0.4609	0.4440
	$a_0 = 17.57622346317699, a_1 = 2.4243147053365455, a_2 = -0.09138478759287981, a_3 = -2.3945536003765913, a_4 = 0.035253375529856676, a_5 = -0.0060253093109901195, a_6 = -0.13555306256881466, a_7 = 0.00013460041453879198, a_8 = 0.005964968766263401, a_9 = 0.09365651310808931$	U, DT, AI	0.5794	0.4044
$y = a_0+a_1x_1+a_2x_2+ a_3x_3 + a_4x_4 + a_5x_1^2 + a_6x_1x_2 + a_7x_1x_3 + a_8x_1x_4 + a_9x_2^2 + a_{10}x_2x_3 + a_{11}x_2x_4+a_{12}x_3^2+ a_{13}x_3x_4 + a_{14}x_4^2$	$a_0 = 5.052278574155851, a_1 = -4.680959830787387, a_2 = -5.171552137845509, a_3 = -5.493189497120107, a_4 = 1.4189098777871925, a_5 = 2.1735278503250344, a_6 = 0.84030904836478, a_7 = 0.09480539155991087, a_8 = -0.6927310989687564, a_9 = 2.1797977034529854, a_{10} = 6.956916871532331, a_{11} = -0.7165587756441884, a_{12} = 0.2804177574949325, a_{13} = 0.26299102418990294, a_{14} = 0.0137206937967984$	RHOB, PHIN, VSH, U	0.8746	0.2215

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -6.837866944514404, a_1 = 5.109001917804771, a_2 = -33.05846735390832, a_3 = -4.76830514534776, a_4 = 0.08080170003175323, a_5 = -0.5980514337879148, a_6 = 7.430870024778597, a_7 = 1.6265263202019582, a_8 = -0.021442363257034025, a_9 = 9.776956429475518, a_{10} = 9.8789817272407, a_{11} = 0.005532309198035651, a_{12} = -0.5621028909833823, a_{13} = -0.008342877830057653, a_{14} = -5.764512197427144e-05$	RHOB, PHIN, VSH, DT	0.8625	0.2319
	$a_0 = 8.073016554042962, a_1 = 7.495577335060037, a_2 = -29.64359537376487, a_3 = -7.816387274883016, a_4 = -1.5392164164122297, a_5 = -3.996820348476947, a_6 = 6.172303762667005, a_7 = 1.5829139717402605, a_8 = 0.8801027772097527, a_9 = 10.32409885517706, a_{10} = 9.19472143371465, a_{11} = 0.07544533640116703, a_{12} = -0.49722777160618153, a_{13} = 0.12405578518566937, a_{14} = -0.030575183523532043$	RHOB, PHIN, VSH, AI	0.8625	0.2322
	$a_0 = -30.32179573021627, a_1 = 9.870992491008291, a_2 = 10.585546632559426, a_3 = 2.848105710952839, a_4 = 0.06519254061656009, a_5 = 0.3343979670542937, a_6 = -1.679374835610051, a_7 = -0.8619998970961295, a_8 = -0.014461320561387811, a_9 = 7.985455120906521, a_{10} = -1.055761143463855, a_{11} = -0.03332910091918622, a_{12} = -0.01254150697283648, a_{13} = -0.0013065308420144531, a_{14} = -1.5882714324904692e-05$	RHOB, PHIN, U, DT	0.83967	0.2516
	$a_0 = -14.384318138235795, a_1 = 12.62421499080432, a_2 = 2.119633584374651, a_3 = 2.3646346578659427, a_4 = -1.5039301010395167, a_5 = -2.0917258820686575, a_6 = -3.159846662042205, a_7 = -0.8084558844654838, a_8 = 0.5211432466838688, a_9 = 6.0368759146934305, a_{10} = -1.2342642985080297, a_{11} = 0.6528855807991187, a_{12} = -0.014977538760486193, a_{13} = 0.013177173976786217, a_{14} = -0.00374772290533707$	RHOB, PHIN, U, AI	0.8393	0.2522
	$a_0 = -12.92675782926111, a_1 = 2.998633250800188e-05, a_2 = -26.48605910406015, a_3 = 0.014956243376610872, a_4 = -2.229362655852849, a_5 = -3.509042804348914, a_6 = 7.493905637957849, a_7 = -0.04258152739477396, a_8 = -0.0053588691531115465, a_9 = 21.479741592407816, a_{10} = -0.037701189445509806, a_{11} = -0.005757829937354626, a_{12} = 9.38326662256613e-05, a_{13} = 0.029986332461018294, a_{14} = 0.04779099950594369$	RHOB, PHIN, DT, AI	0.7941	0.2850

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -23.202625229222114, a_1 = -2.761483825920179, a_2 = 16.252772083620957, a_3 = 3.791503609781445, a_4 = 0.08274420961594318, a_5 = 4.195932083304603, a_6 = -5.765097976109002, a_7 = -1.477704667942667, a_8 = -0.00795249673019771, a_9 = 0.01673983908396672, a_{10} = 0.018201131839547594, a_{11} = -0.015290441593757767, a_{12} = 0.03999255749104561, a_{13} = -0.0037719333517043704, a_{14} = -6.651421686217642e-05$	RHOB, VSH, U, DT	0.6222	0.3770
	$a_0 = -14.99354341045657, a_1 = 13.457739686926072, a_2 = 8.929039645736875, a_3 = 2.114337119036314, a_4 = -1.8256798204573137, a_5 = -2.752495864238249, a_6 = -5.330600366771206, a_7 = -1.5022132478040404, a_8 = 1.362374632982194, a_9 = 0.18331112693177198, a_{10} = 0.12598093788959247, a_{11} = 0.13610805435275, a_{12} = 0.055705700940159815, a_{13} = 0.04801913232171881, a_{14} = -0.08150575558121695$	RHOB, VSH, U, AI	0.6195	0.3794
	$a_0 = 119.71271589991844, a_1 = 1.5998565603614717e-05, a_2 = -8.63866909732874, a_3 = -0.523704981051463, a_4 = -9.674795644276221, a_5 = -6.179983796244813, a_6 = 3.4903592048069143, a_7 = 0.028274525493653252, a_8 = 2.1412498527377886, a_9 = 0.3267798540211665, a_{10} = 0.00574512144453123, a_{11} = -0.28182323605422854, a_{12} = 0.0005631476839415303, a_{13} = 0.015998565583913518, a_{14} = 0.031403344692520374$	RHOB, VSH, DT, AI	0.4821	0.4364
	$a_0 = 20.285895906965848, a_1 = 3.450054879304725e-05, a_2 = 2.912537756388271, a_3 = -0.1976130223945928, a_4 = -6.409805244692903, a_5 = -5.523870689582101, a_6 = -0.7370007968485895, a_7 = -0.01129904210160587, a_8 = 1.1945237434056077, a_9 = 0.037827584540181335, a_{10} = -0.004411320381353536, a_{11} = -0.058942031656197824, a_{12} = 0.00027863160668278555, a_{13} = 0.03450054878480796, a_{14} = 0.06176487837184787$	RHOB, U, DT, AI	0.5937	0.3965
	$a_0 = 9.157975756205403, a_1 = 0.5300486680933792, a_2 = -2.726267843214795, a_3 = -0.4799669476086231, a_4 = -0.027034081335062365, a_5 = 7.685025743975032, a_6 = 8.178309661260778, a_7 = -0.81621516342633, a_8 = -0.02656720009085018, a_9 = -0.08628737975094285, a_{10} = 0.15454525013919299, a_{11} = -0.0066090179361969065, a_{12} = 0.0030009388875192377, a_{13} = 0.002266095536378416 6, a_{14} = 3.96258265799625e-05$	PHIN, VSH, U, DT	0.8568	0.2361

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 3.8136153070046825, a_1 = -6.777336053341751, a_2 = -5.2245836595789115, a_3 = 0.5426520803900228, a_4 = -0.09565454191561218, a_5 = 5.170030987638979, a_6 = 7.233373453474173, a_7 = -0.9076582986189572, a_8 = 0.3353872833988143, a_9 = 0.0639040917973677, a_{10} = 0.17764031800652694, a_{11} = 0.08312958181797284, a_{12} = 0.005214592143454108, a_{13} = -0.05009051858117234, a_{14} = 0.01871980925206783$	PHIN, VSH, U, AI	0.8692	0.2260
	$a_0 = 20.979592581242006, a_1 = -30.490508449562636, a_2 = -3.2462862320105583, a_3 = -0.03712598030603678, a_4 = -1.4874397484235609, a_5 = 9.417422562034206, a_6 = 10.549905973644623, a_7 = 0.028010329235802534, a_8 = 0.9127167222696358, a_9 = -0.5642582319478942, a_{10} = -0.007068753076340384, a_{11} = 0.18126769256665556, a_{12} = 2.6810905284388803e-05, a_{13} = 0.0015556983309654641, a_{14} = 0.03443088411176708$	PHIN, VSH, DT, AI	0.8602	0.2340
	$a_0 = -10.045790985079844, a_1 = 14.515275969633949, a_2 = 2.7185116140156915, a_3 = 0.007849945314342167, a_4 = -0.14584015138768927, a_5 = 6.650690170578361, a_6 = -1.3045126834869964, a_7 = -0.04230379713839373, a_8 = -0.26815870208342346, a_9 = -0.02136244476072458, a_{10} = -0.0036526065346794236, a_{11} = -0.10708933476134816, a_{12} = 4.198049598592408e-05, a_{13} = 0.0012568380949578152, a_{14} = 0.03664770856800856$	PHIN, U, DT, AI	0.8345	0.2576
	$a_0 = 12.107436686235523, a_1 = 14.854233882088705, a_2 = 3.4358916942029123, a_3 = -0.10655956345300116, a_4 = -2.4700252025725393, a_5 = -0.5176529566963158, a_6 = -0.1490108547687205, a_7 = -0.03231447485542134, a_8 = -0.6018814746657095, a_9 = 0.032010183851920324, a_{10} = -0.008349744299358393, a_{11} = -0.17502536564434645, a_{12} = 0.0001943719734897032, a_{13} = 0.008232932013878324, a_{14} = 0.10286377075049474$	VSH, U, DT, AI	0.6085	0.3857

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5 + a_6x_1^2 + a_7x_1x_2 + a_8x_1x_3 + a_9x_1x_4 + a_{10}x_1x_5 + a_{11}x_2^2 + a_{12}x_2x_3 + a_{13}x_2x_4 + a_{14}x_2x_5 + a_{15}x_3^2 + a_{16}x_3x_4 + a_{17}x_3x_5 + a_{18}x_4^2 + a_{19}x_4x_5 + a_{20}x_5^2$	$a_0 = -15.784390131234115, a_1 = 2.5172993159465493, a_2 = -6.231211538571201, a_3 = 3.296249440674946, a_4 = 2.1800628630785894, a_5 = 0.0579808114468976, a_6 = 1.7682178531056008, a_7 = -0.4106822704678759, a_8 = -2.3644055933669272, a_9 = -0.9212886236912861, a_{10} = -0.007540996656496237, a_{11} = 6.608688391340196, a_{12} = 9.410893851111304, a_{13} = -0.2963833524174098, a_{14} = -0.012076413663932715, a_{15} = 0.31410127290614925, a_{16} = 0.28836364173969553, a_{17} = -0.015695191001628406, a_{18} = 0.01770852130074784, a_{19} = -0.0016393462329870395, a_{20} = -3.175212443014509e-05$	RHOB, PHIN, VSH, U, DT	0.8803	0.2158
	$a_0 = -4.2685624265564055, a_1 = 8.379082376007872, a_2 = -9.333252968079725, a_3 = -2.731527988251516, a_4 = 1.5186904273538155, a_5 = -1.343222744238651, a_6 = -1.5465862616053128, a_7 = 0.19529472956398083, a_8 = -2.067562302993774, a_9 = -0.8306732097825337, a_{10} = 0.6941250960377322, a_{11} = 5.402945336772273, a_{12} = 7.874752320327646, a_{13} = -0.5255755437932427, a_{14} = 0.19245361373346664, a_{15} = 0.35646081636197596, a_{16} = 0.27851516143421035, a_{17} = 0.1883844993835816, a_{18} = 0.016689704717501433, a_{19} = 0.011879493234207925, a_{20} = -0.026672453361415226$	RHOB, PHIN, VSH, U, AI	0.8795	0.2169
	$a_0 = 16.492932359308902, a_1 = 1.903109350267186e-05, a_2 = -37.45439216463521, a_3 = -3.301827035270952, a_4 = -0.062397695709938236, a_5 = -3.192039722745331, a_6 = -3.950483535200526, a_7 = 4.599127865038747, a_8 = 2.4732797564466744, a_9 = -0.01594048981470813, a_{10} = 0.6069536166879921, a_{11} = 9.462047970139714, a_{12} = 9.910906516741486, a_{13} = 0.026775200277624808, a_{14} = 0.6057794712724649, a_{15} = -0.5683387643834168, a_{16} = -0.01488968844061604, a_{17} = -0.18851956605622794, a_{18} = 9.798345609070442e-05, a_{19} = 0.01903109347449888, a_{20} = 0.02173142446297766$	RHOB, PHIN, VSH, DT, AI	0.8643	0.2307

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -17.772446107795652, a_1 = 1.9533547495843164e-05, a_2 = 12.440337263407821, a_3 = 3.0421930964036563, a_4 = -0.019640151709750996, a_5 = -1.9185794774412956, a_6 = -1.7060514544141427, a_7 = -0.4300911085213878, a_8 = -0.6935919634654685, a_9 = -0.01508031217775772, a_{10} = 0.2453355758976829, a_{11} = 8.013377508882218, a_{12} = -1.0552754251550296, a_{13} = -0.04307485049625931, a_{14} = -0.2369725457179651, a_{15} = -0.012768655412334292, a_{16} = -0.002383295553313523, a_{17} = -0.03185166521578648, a_{18} = 9.820409477948344e-05, a_{19} = 0.01953354747553332, a_{20} = 0.0323431525322926$	RHOB, PHIN, U, DT, AI	0.8411	0.2509
	$a_0 = 25.257994696741218, a_1 = 1.1888865604872826e-05, a_2 = 21.419346567568756, a_3 = 4.481951535807801, a_4 = -0.20269300797635817, a_5 = -5.5261181658252445, a_6 = -6.8143028420161, a_7 = -2.350710868631577, a_8 = -0.9893770743156468, a_9 = 0.03944930140592315, a_{10} = 2.6431462324823443, a_{11} = -0.11184437385293065, a_{12} = -0.026497162768144414, a_{13} = -0.038787805111037583, a_{14} = -0.7065214092900326, a_{15} = 0.037447201628776905, a_{16} = -0.007041778375161175, a_{17} = -0.09855505447755619, a_{18} = 0.00023747365278322234, a_{19} = 0.011888865595962644, a_{20} = -0.053856848384928026$	RHOB, VSH, U, DT, AI	0.6344	0.3712
	$a_0 = -1.5339258464369863, a_1 = -6.686390728861352, a_2 = 3.4183019748599985, a_3 = 1.8974658255903756, a_4 = -0.0009347292407963293, a_5 = -0.3786514688890967, a_6 = 5.096736580122468, a_7 = 9.395411726800294, a_8 = -0.5351423236446335, a_9 = -0.0059422164560537305, a_{10} = 0.09420706031884042, a_{11} = 0.160674469540831, a_{12} = 0.22033852678903632, a_{13} = -0.024403079993433417, a_{14} = -0.28043678729070903, a_{15} = 0.007489744718804844, a_{16} = -0.0038814719446238475, a_{17} = -0.10379605350038207, a_{18} = 4.455385300087443e-05, a_{19} = 0.0019706717242915007, a_{20} = 0.03871104336099711$	PHIN, VSH, U, DT, AI	0.8742	0.2218

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Table 2: Logs - TC - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
$y =$ $a_0+a_1x_1+a_2x_2+$ $a_3x_3 + a_4x_4 +$ $a_5x_5 + a_6x_6 +$ $a_7x_1^2 + a_8x_1x_2 +$ $a_9x_1x_3 +$ $a_{10}x_1x_4 +$ $a_{11}x_1x_5 +$ $a_{12}x_1x_6 +$ $a_{13}x_2^2+a_{14}x_2x_3+$ $a_{15}x_2x_4 +$ $a_{16}x_2x_5 +$ $a_{17}x_2x_6 +$ $a_{18}x_3^2+a_{19}x_3x_4+$ $a_{20}x_3x_5 +$ $a_{21}x_3x_6 +$ $a_{22}x_4^2+a_{23}x_4x_5+$ $a_{24}x_4x_6+a_{25}x_5^2+$ $a_{26}x_5x_6 + a_{27}x_6^2$	$a_0 = 2.404781920517991, a_1 = 4.539375887159716e-06, a_2 =$ $-8.489438660176516, a_3 = 6.619327748379784, a_4 = 2.514149355035068, a_5 =$ $-0.041559643191441065, a_6 = -1.909672544492903, a_7 = -3.2796258442592516, a_8 =$ $-1.4078817981176557, a_9 = -0.4948031250463118, a_{10} = -0.7090988572817062, a_{11} =$ $0.021133085588985624, a_{12} = 1.3166417584294587, a_{13} = 6.316931941831929, a_{14} =$ $9.250923928685044, a_{15} = -0.3110767216161416, a_{16} =$ $-0.0026195775203595585, a_{17} = 0.26921655802578365, a_{18} =$ $0.24268093075396552, a_{19} = 0.262545791968254, a_{20} = -0.02941492555429191, a_{21} =$ $-0.4097011216598971, a_{22} = 0.016444833800476233, a_{23} =$ $-0.003120409672025882, a_{24} = -0.043814974350398654, a_{25} =$ $5.236865815692144e-05, a_{26} = 0.004539375867058169, a_{27} = -0.043582505996493534$	RHOB, PHIN, VSH, U, DT, AI	0.8826	0.2141

1.3 TD

Table 3: Logs - TD - Polynomial regression

Format	Coff.	Logs	R2	MAE
$y =$ $a_0 + a_1x_1 + a_2x_1^2$	$a_0 = 1.7596015659667281, a_1 = -1.6227181854792214, a_2 = 0.5921586746351051$	RHOB	0.2178	0.2929
	$a_0 = 2.4191823061688016, a_1 = -6.7514349231379835, a_2 = 6.235223641257135$	PHIN	0.8509	0.1254

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 1.4226556838185571, a_1 = -0.9479648281756013, a_2 = 0.271607262745532$	VSH	0.1201	0.3278
	$a_0 = 1.1151658526382673, a_1 = -0.18534285642278875, a_2 = 0.02028474422192718$	U	0.5251	0.2353
	$a_0 = 3.226199256069476, a_1 = -0.009945523875953455, a_2 = 7.023327321665908e-06$	DT	0.4097	0.25033
	$a_0 = -0.4391790724630671, a_1 = 0.23147778311481845, a_2 = -0.0060449990616173715$	AI	0.3632	0.2614
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_1^2 + a_4x_1x_2 + a_5x_2^2$	$a_0 = 10.917122432322223, a_1 = -5.657746140732144, a_2 = -18.77246743075875, a_3 = 0.9045848512080044, a_4 = 4.364949163150721, a_5 = 9.509876383809011$	RHOB, PHIN	0.8858	0.1119
	$a_0 = 0.6361256093709402, a_1 = -0.48247193128122867, a_2 = -0.03819332431683224, a_3 = 0.35790910405474735, a_4 = -0.3633516059426474, a_5 = 0.24327257874714733$	RHOB, VSH	0.3164	0.2742
	$a_0 = 0.05263730633125574, a_1 = -1.2115623120543222, a_2 = 0.2794586551371699, a_3 = 1.0709492393641022, a_4 = -0.358291766243556, a_5 = 0.037665413146718826$	RHOB, U	0.5630	0.2234
	$a_0 = 37.23101272921686, a_1 = -22.20009226815076, a_2 = -0.06859113950686925, a_3 = 3.615496400781356, a_4 = 0.01926876894592456, a_5 = 3.055488998662521e-05$	RHOB, DT	0.4501	0.2421
	$a_0 = 8.746635409167915, a_1 = -7.886650854666643, a_2 = 0.47419533140223824, a_3 = 1.1340503994607796, a_4 = 0.10743176421100359, a_5 = -0.024761350490571106$	RHOB, AI	0.4415	0.2438
	$a_0 = 2.561424126114954, a_1 = -6.5698635058537285, a_2 = -0.765097555026189, a_3 = 4.910611744476764, a_4 = 2.0374203932707835, a_5 = -0.10669067644042331$	PHIN, VSH	0.8746	0.1142
	$a_0 = 1.2789266008295765, a_1 = -3.1612996470096686, a_2 = 0.10943418956561152, a_3 = 3.8898705710446357, a_4 = -0.22532538774765157, a_5 = -0.0011189209404276414$	PHIN, U	0.8629	0.1207

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 2.0399259720874996, a_1 = -2.9904212999058495, a_2 = -0.0025516657392287284, a_3 = 12.8792029800058, a_4 = -0.0312613548273323, a_5 = 2.5555009945601554e-05$	PHIN, DT	0.8784	0.1164
	$a_0 = 5.364868016707511, a_1 = -14.913622892814697, a_2 = -0.35040160165728207, a_3 = 11.789088053328243, a_4 = 0.4977238988907863, a_5 = 0.009606901516911013$	PHIN, AI	0.8843	0.1136
	$a_0 = -0.3625728883349639, a_1 = 2.191101627132509, a_2 = 0.06493249483546756, a_3 = -0.7157160667455867, a_4 = -0.18993409239553827, a_5 = 0.010030544125884854$	VSH, U	0.5344	0.2339
	$a_0 = 3.232906455143827, a_1 = -1.521904547550459, a_2 = -0.00752221353179054, a_3 = 0.20310161507671115, a_4 = 0.002960182993062183, a_5 = 1.0013511434215691e-06$	VSH, DT	0.4890	0.2292
	$a_0 = -0.5295239789202362, a_1 = -0.3218402799595253, a_2 = 0.2903165446886318, a_3 = 0.222803730858730 8, a_4 = -0.052525616402164986, a_5 = -0.008470240616964657$	VSH, AI	0.4492	0.2412
	$a_0 = 5.793371861766935, a_1 = -0.6128904463889274, a_2 = -0.01622994340373994, a_3 = 0.02989582751265833, a_4 = 0.0007831364814846585, a_5 = 1.1141541111722494e-05$	U, DT	0.6147	0.2052
	$a_0 = 0.4278416490451946, a_1 = -0.30687617841751047, a_2 = 0.2559242159475413, a_3 = 0.036498969790338495, a_4 = -0.023956337881452516, a_5 = 0.0011658897036359668$	U, AI	0.6015	0.2105
	$a_0 = 52.73329125276588, a_1 = -0.2387921671375968, a_2 = -3.9446732054952296, a_3 = 0.00027635729962531585, a_4 = 0.008821391107355843, a_5 = 0.08112367979552626$	DT, AI	0.44813	0.2426
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_1^2 + a_5x_1x_2 + a_6x_1x_3 + a_7x_2^2 + a_8x_2x_3 + a_9x_3^2$	$a_0 = 9.728305505911347, a_1 = -4.444309852069087, a_2 = -16.299619105124528, a_3 = -3.2148698714871036, a_4 = 0.6322777576451637, a_5 = 3.348569507379655, a_6 = 1.018117219311112, a_7 = 7.651085823681121, a_8 = 3.0165870239018173, a_9 = -0.2327243017374113$	RHOB, PHIN, VSH	00.9093	0.0996

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 2.7256799854289246, a_1 = -2.924152134625181, a_2 = -6.03672944978018, a_3 = 0.7275000723866392, a_4 = 0.8614000172849797, a_5 = 2.115467300308085, a_6 = -0.21749823854783462, a_7 = 4.445779175709257, a_8 = -0.5186787070964205, a_9 = -0.0038164574194106218$	RHOB, PHIN, U	0.9118	0.0991
	$a_0 = 1.008352140821385, a_1 = 0.4024264797096225, a_2 = -15.605836376817003, a_3 = 0.019421030262656076, a_4 = -0.013559924372322419, a_5 = 3.741510709117788, a_6 = -0.0064827428236951925, a_7 = 11.255510436221027, a_8 = -0.010921318910258737, a_9 = -2.513455840147546e-06$	RHOB, PHIN, DT	0.8875	0.1116
	$a_0 = 4.908188586852965, a_1 = 2.2806420327081276, a_2 = -18.890058581165885, a_3 = -0.6595980705937767, a_4 = -1.4308288806326623, a_5 = 3.2478171013427404, a_6 = 0.33271554647975266, a_7 = 10.793933400880587, a_8 = 0.20556770319064585, a_9 = -0.008751118187255057$	RHOB, PHIN, AI	0.8877	0.1115
	$a_0 = -1.3060927858228437, a_1 = -1.4498513697733804, a_2 = 3.2860644720856107, a_3 = 0.5267700064685951, a_4 = 1.387042875595299, a_5 = -1.0411256093361647, a_6 = -0.4479825149318578, a_7 = -0.6419742273564564, a_8 = -0.0644883959021177, a_9 = 0.03590367408999547$	RHOB, VSH, U	0.5779	0.2200
	$a_0 = 38.29223693283963, a_1 = -22.48621117960147, a_2 = -4.215282571253226, a_3 = -0.06906483731611116, a_4 = 3.6035619269488044, a_5 = 0.8260357476502453, a_6 = 0.01975138613616177, a_7 = 0.09616783306959904, a_8 = 0.006539376738795171, a_9 = 2.6066779943932448e-05$	RHOB, VSH, DT	0.5261	0.2211
	$a_0 = 7.937758898186041, a_1 = -6.025515410571068, a_2 = -2.427373956804934, a_3 = 0.2859177853351034, a_4 = 0.18979271088122102, a_5 = 1.554807006065733, a_6 = 0.3265688429486189, a_7 = 0.13981533520866943, a_8 = -0.19764248887836808, a_9 = -0.038488176220261135$	RHOB, VSH, AI	0.5245	0.2216
	$a_0 = 4.403606027677498, a_1 = -5.1774484958166935, a_2 = 0.8519822648965706, a_3 = -2.25756301392163e-05, a_4 = 1.5908780870354455, a_5 = -0.3842289669475348, a_6 = 0.0021669325579060828, a_7 = 0.022705185969257285, a_8 = -0.00103678776827888, a_9 = -4.400175673718389e-06$	RHOB, U, DT	0.6719	0.1882

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -4.030196148378901, a_1 = 4.918535834804858, a_2 = 0.44369102773904784, a_3 = -0.4573159286444553, a_4 = -1.5748289713547678, a_5 = -0.4105360663811166, a_6 = 0.4796382168892541, a_7 = 0.026014929731387717, a_8 = 0.015767241878944703, a_9 = -0.03194594849401213$	RHOB, U, AI	0.6693	0.1891
	$a_0 = 71.79848053094123, a_1 = -2.0047542247266618e-06, a_2 = -0.2862096554695549, a_3 = -4.613878985471324, a_4 = -1.8650565477286631, a_5 = 0.02825932647543442, a_6 = 1.0802750122825553, a_7 = 0.00028100977937766704, a_8 = -0.0020047542292999194, a_9 = 0.013669499883612745$	RHOB, DT, AI	0.4624	0.2400
	$a_0 = 2.1492924865544616, a_1 = -5.041217132493045, a_2 = -0.39543348304674136, a_3 = 0.01646640264416868, a_4 = 4.050408060997611, a_5 = 1.5062670839636052, a_6 = -0.08698546862021451, a_7 = -0.1640797528130459, a_8 = -0.017050500661835714, a_9 = 0.0013109353832726437$	PHIN, VSH, U	0.8764	0.1136
	$a_0 = 1.795351195242745, a_1 = -4.524498451394168, a_2 = 0.4259579369162605, a_3 = 0.0011684581860499999, a_4 = 10.225297703839106, a_5 = 3.6682135851021385, a_6 = -0.022951746504289185, a_7 = -0.25499037469036356, a_8 = -0.0056803478148620265, a_9 = 1.617582202634698e-05$	PHIN, VSH, DT	0.8979	0.1059
	$a_0 = 5.178277495890233, a_1 = -13.572484941514622, a_2 = -1.8786123378990862, a_3 = -0.28975881051153335, a_4 = 9.648122497545547, a_5 = 3.3743777042318377, a_6 = 0.38824510206506957, a_7 = -0.22699350055885575, a_8 = 0.09692421910117996, a_9 = 0.006816292806387552$	PHIN, VSH, AI	0.9048	0.1026
	$a_0 = 2.6253507791611055, a_1 = 2.966903474778725, a_2 = -0.0001851407766085196, a_3 = -0.014038523488888689, a_4 = 7.77482459186413, a_5 = -0.5529844051909307, a_6 = -0.023174999645972905, a_7 = -0.0037124215114368885, a_8 = 0.0009167124522991049, a_9 = 2.7117359111151824e-05$	PHIN, U, DT	0.8926	0.1097

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 1.1398709131100278, a_1 = -5.291534265004142, a_2 = 0.40923482732039645, a_3 = -0.14540092040940994, a_4 = 6.594974902943177, a_5 = -0.5623430178228306, a_6 = 0.338320975758825, a_7 = -0.00372940518335664, a_8 = -0.01826005450666589, a_9 = 0.00990283881776953$	PHIN, U, AI	0.9037	0.1044
	$a_0 = 12.29353104892693, a_1 = -12.468689619344662, a_2 = -0.03662377381443758, a_3 = -0.8016606214600185, a_4 = 11.078579272310824, a_5 = -0.003629785084863315, a_6 = 0.38020519494257027, a_7 = 4.781199291977068e-05, a_8 = 0.0011582207736303615, a_9 = 0.017354006283022277$	PHIN, DT, AI	0.8862	0.1123
	$a_0 = 4.227652405260274, a_1 = 2.1361445093282705, a_2 = -0.40899275831078274, a_3 = -0.012618187924727487, a_4 = -0.7543788338296016, a_5 = -0.1580449068264323, a_6 = -0.0016144662605492419, a_7 = 0.023155075595230938, a_8 = 0.0005980459052444392, a_9 = 7.870927728345534e-06$	VSH, U, DT	0.6279	0.2011
	$a_0 = -0.2229227863258436, a_1 = 1.4456799295942577, a_2 = -0.22270359932294043, a_3 = 0.2876425642358043, a_4 = -0.7660959070701331, a_5 = -0.12153094820344147, a_6 = -0.004884222246872646, a_7 = 0.03301643223334229, a_8 = -0.02403541720868398, a_9 = -1.3191816493960497e-05$	VSH, U, AI	0.6152	0.2066
	$a_0 = 58.53771079965381, a_1 = -4.838709852086173, a_2 = -0.26593130248907326, a_3 = -4.314660935734613, a_4 = 0.15824072472641637, a_5 = 0.010474163241244552, a_6 = 0.15485134705896444, a_7 = 0.0003071585478871371, a_8 = 0.009820846009374056, a_9 = 0.08590848859137451$	VSH, DT, AI	0.5257	0.2203
	$a_0 = 26.44657110601628, a_1 = 0.7799934707113098, a_2 = -0.12693841211674958, a_3 = -2.2554417275856453, a_4 = 0.02152516889346634, a_5 = -0.0022764148504987453, a_6 = -0.04913398835014343, a_7 = 0.00016275351430184, a_8 = 0.0053600513938289246, a_9 = 0.05990516371790273$	U, DT, AI	0.6728	0.1887

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
$y = a_0+a_1x_1+a_2x_2+a_3x_3+a_4x_4+a_5x_1^2+a_6x_1x_2+a_7x_1x_3+a_8x_1x_4+a_9x_2^2+a_{10}x_2x_3+a_{11}x_2x_4+a_{12}x_3^2+a_{13}x_3x_4+a_{14}x_4^2$	$a_0 = 4.054547755579004, a_1 = -3.018030296235624, a_2 = -8.242277315164994, a_3 = -0.9018258341460534, a_4 = 0.5580881194169716, a_5 = 0.8734953635832968, a_6 = 2.1525748547536976, a_7 = 0.13395061644216746, a_8 = -0.21197133672878563, a_9 = 4.836563341114837, a_{10} = 1.4684726936677794, a_{11} = -0.35693958066918396, a_{12} = -0.13299690924108634, a_{13} = 0.013389986078933127, a_{14} = 0.0014677675062648352$	RHOB, PHIN, VSH, U	0.9182	0.0944
	$a_0 = 8.283652600526963, a_1 = -3.8680606861190827, a_2 = -15.971621909919879, a_3 = -1.4841233420083422, a_4 = 0.005246524850643845, a_5 = 0.5794978203215355, a_6 = 3.1606053998562076, a_7 = 0.5922642001315204, a_8 = -0.0009932108465173842, a_9 = 7.453753365776504, a_{10} = 3.8822614666401596, a_{11} = 0.0003013793363936217, a_{12} = -0.27890776065535505, a_{13} = -0.0037823422860284537, a_{14} = -5.138669173882589e-06$	RHOB, PHIN, VSH, DT	0.9114	0.0985
	$a_0 = 6.807555111696032, a_1 = -0.2181892223503593, a_2 = -16.75502849796352, a_3 = -2.7169633892512874, a_4 = -0.39524715474371785, a_5 = -0.8881654870561677, a_6 = 3.5194403225189093, a_7 = 0.5226793250998822, a_8 = 0.2858476749411747, a_9 = 7.692777760607098, a_{10} = 3.4804075839115933, a_{11} = 0.004230405321655675, a_{12} = -0.23684377662245157, a_{13} = 0.05342661092217954, a_{14} = -0.013560980114929908$	RHOB, PHIN, VSH, AI	0.9117	0.0985
	$a_0 = -0.3766956427438839, a_1 = -1.1139833246623745, a_2 = -3.868674577267289, a_3 = 0.77361773850233, a_4 = 0.0052274320254120845, a_5 = 0.5926353701497085, a_6 = 1.5858939724106589, a_7 = -0.22712430820653146, a_8 = -0.0016609224604049132, a_9 = 4.923305468256791, a_{10} = -0.5152779665310724, a_{11} = -0.004767219252678894, a_{12} = -0.00406603548097443, a_{13} = -8.150848665781814e-05, a_{14} = 3.4400851665190793e-07$	RHOB, PHIN, U, DT	0.9125	0.0987

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = -0.515143498620573, a_1 = 1.6676010146882767, a_2 = -6.447453394080551, a_3 = 0.698719161005911, a_4 = -0.37490374198280274, a_5 = -0.7293933443478722, a_6 = 2.1473010740688814, a_7 = -0.19171497562195874, a_8 = 0.24749877849220614, a_9 = 4.701828314877107, a_{10} = -0.531711880153297, a_{11} = 0.042895323196537806, a_{12} = -0.004140134697607798, a_{13} = -0.002063518274294221, a_{14} = -0.009062419323311921$	RHOB, PHIN, U, AI	0.9129	0.0987
	$a_0 = 10.557995805986206, a_1 = 5.284274540147824e-06, a_2 = -15.189129178943979, a_3 = -0.03951442391695259, a_4 = -1.2285447116792418, a_5 = -1.6687512498953732, a_6 = 3.785631112734181, a_7 = -0.0019925298579793653, a_8 = 0.3506375198444325, a_9 = 11.272896970206562, a_{10} = -0.012470860652658688, a_{11} = -0.012982080141644483, a_{12} = 6.22159250492061e-05, a_{13} = 0.005284274514179782, a_{14} = -0.00040207016529875367$	RHOB, PHIN, DT, AI	0.8883	0.1114
	$a_0 = 2.1106096242059227, a_1 = -8.05915804244832, a_2 = 9.348021378949987, a_3 = 1.6748524729166236, a_4 = 0.001615743315011726, a_5 = 2.6453240445628534, a_6 = -2.858102110645633, a_7 = -0.6072624885542377, a_8 = 0.00657297674605298, a_9 = -0.15327463299779143, a_{10} = -0.024257093704733154, a_{11} = -0.010084038711120447, a_{12} = 0.018682733047858148, a_{13} = -0.0019675209274020826, a_{14} = -3.6772439022082536e-06$	RHOB, VSH, U, DT	0.6869	0.1825
	$a_0 = -4.702032512445321, a_1 = 3.1887541474962506, a_2 = 5.114361592915313, a_3 = 0.8492949357141085, a_4 = -0.4704607072965009, a_5 = -0.37370555046983756, a_6 = -2.9638479653767646, a_7 = -0.6527381907131945, a_8 = 0.42650134738633505, a_9 = -0.045692038390306104, a_{10} = 0.03345011848123875, a_{11} = 0.1373094115848851, a_{12} = 0.02675182023665575, a_{13} = 0.02807379239565332, a_{14} = -0.033273568262134$	RHOB, VSH, U, AI	0.6821	0.1846
	$a_0 = 79.10116806993287, a_1 = -2.5147287853785356e-06, a_2 = -2.821390678564926, a_3 = -0.32138290494035293, a_4 = -5.1061202834848025, a_5 = -3.675684522137824, a_6 = 1.6097267622042568, a_7 = 0.03941109445069312, a_8 = 1.6318090487366095, a_9 = 0.10545589877105684, a_{10} = 0.0005507619591592223, a_{11} = -0.1830036262143279, a_{12} = 0.0003075175392296427, a_{13} = -0.0025147287950186034, a_{14} = -0.018948186996074593$	RHOB, VSH, DT, AI	0.5478	0.2164

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 32.356680343463246, a_1 = 9.746957960637759e-06, a_2 = 1.0126107600840224, a_3 = -0.1731089372676699, a_4 = -3.6922094193489823, a_5 = -3.3916449568862013, a_6 = -0.257329139587607, a_7 = 0.014469353210973042, a_8 = 1.0008434641603134, a_9 = 0.022115028603720856, a_{10} = -0.001832462704282308, a_{11} = -0.025284725464452734, a_{12} = 0.0001894712677946803 4, a_{13} = 0.009746957955857994, a_{14} = 0.009650513328983201$	RHOB, U, DT, AI	0.6817	0.1861
	$a_0 = 2.89594941846741, a_1 = -0.5727002471334581, a_2 = 0.41899239590180926, a_3 = -0.0816197443730032, a_4 = -0.009094676235388477, a_5 = 7.589717485521101, a_6 = 2.3337406210166334, a_7 = -0.3380097163533022, a_8 = -0.018902333374559082, a_9 = -0.29856505319458915, a_{10} = -0.020065819362180878, a_{11} = -0.0033181439593882762, a_{12} = 6.327855178446786e-05, a_{13} = 0.0007264378306651213, a_{14} = 1.976998252730091e-05$	PHIN, VSH, U, DT	0.9017	0.1038
	$a_0 = 2.068026999148417, a_1 = -6.94166641001189, a_2 = -0.7496135465326969, a_3 = 0.26671774341653104, a_4 = -0.12203947852227473, a_5 = 6.613599933735165, a_6 = 1.7871324684077614, a_7 = -0.39121253367165115, a_8 = 0.29482323486835144, a_9 = -0.2354357080452243, a_{10} = -0.015516790753694006, a_{11} = 0.04137020158454038, a_{12} = 4.967289473297846e-06, a_{13} = -0.01598983463236441, a_{14} = 0.007892506166390662$	PHIN, VSH, U, AI	0.9110	0.0992
	$a_0 = 17.752239791473666, a_1 = -14.955210507411364, a_2 = -0.8869420224613318, a_3 = -0.05775462692780106, a_4 = -1.2094991758656464, a_5 = 7.4099875434734646, a_6 = 4.087000563497617, a_7 = 0.00971177811661925, a_8 = 0.3965596284690722, a_9 = -0.2657583905485053, a_{10} = -0.0033787777083008493, a_{11} = 0.06278324567570012, a_{12} = 6.435773784757706e-05, a_{13} = 0.002020452141976479, a_{14} = 0.02478754760598342$	PHIN, VSH, DT, AI	0.9107	0.0988

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 9.330204702168405, a_1 = -1.3574059067596274, a_2 = 0.7312435991339858, a_3 = -0.04712244722546584, a_4 = -0.8273705660309525, a_5 = 4.614745576966151, a_6 = -0.5727444119158678, a_7 = -0.003112556136989223, a_8 = 0.14237587570940297, a_9 = -0.006131769585272658, a_{10} = -0.0006915861609514732, a_{11} = -0.028277171558788422, a_{12} = 6.37494305808774e-05, a_{13} = 0.0017877638332963028, a_{14} = 0.02485260280756769$	PHIN, U, DT, AI	0.9103	0.1006
	$a_0 = 20.490644716955853, a_1 = 8.287623130515621, a_2 = 1.4869121226527946, a_3 = -0.12043858606769156, a_4 = -2.1946026992675507, a_5 = -0.416263533724759, a_6 = -0.10047316155493456, a_7 = -0.017605027202078884, a_8 = -0.2915884925798645, a_9 = 0.015868318698788835, a_{10} = -0.0037571205988320383, a_{11} = -0.07084860120630525, a_{12} = 0.0001771791604774036, a_{13} = 0.006099289179268332, a_{14} = 0.06413764721380569$	VSH, U, DT, AI	0.6828	0.1843
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5 + a_6x_1^2 + a_7x_1x_2 + a_8x_1x_3 + a_9x_1x_4 + a_{10}x_1x_5 + a_{11}x_2^2 + a_{12}x_2x_3 + a_{13}x_2x_4 + a_{14}x_2x_5 + a_{15}x_3^2 + a_{16}x_3x_4 + a_{17}x_3x_5 + a_{18}x_4^2 + a_{19}x_4x_5 + a_{20}x_5^2$	$a_0 = 2.8198319066001654, a_1 = -3.576734347782277, a_2 = -6.995436034765367, a_3 = 2.401256268203151, a_4 = 0.7959677511830128, a_5 = 0.0023821068217536622, a_6 = 1.1265358211141112, a_7 = 1.134873759036722, a_8 = -0.900558471214877, a_9 = -0.28706220565398605, a_{10} = 0.0021294060484095237, a_{11} = 5.309869775001831, a_{12} = 3.113280906560001, a_{13} = -0.21715918896074768, a_{14} = -0.0030335825820531365, a_{15} = -0.047905678083704065, a_{16} = 0.059319649464763494, a_{17} = -0.0071476307965144 1, a_{18} = 0.0033711433501760505, a_{19} = -0.0005682431519025055, a_{20} = 3.1354274503145985e-07$	RHOB, PHIN, VSH, U, DT	0.9214	0.0925

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 1.7773158378000384, a_1 = 0.46660290087068035, a_2 = -9.116733769399756, a_3 = -0.21590346087014817, a_4 = 0.5426077116729056, a_5 = -0.3289675610887046, a_6 = -0.3046179072820041, a_7 = 2.3102480250064126, a_8 = -0.829947071478354, a_9 = -0.23912524264507573, a_{10} = 0.23484264244856176, a_{11} = 4.9419897140014255, a_{12} = 2.38074115693768, a_{13} = -0.2994744294291396, a_{14} = -0.017209039017285967, a_{15} = -0.023675082422013924, a_{16} = 0.05383877856313381, a_{17} = 0.0895924412525566, a_{18} = 0.0031680519318836088, a_{19} = 0.002533730986359442, a_{20} = -0.012226922316900016$	RHOB, PHIN, VSH, U, AI	0.9209	0.0930
	$a_0 = 20.193377137474915, a_1 = 4.803408835845225e-07, a_2 = -17.92687486125841, a_3 = -0.5112844937072181, a_4 = -0.06319474337489815, a_5 = -1.4311867302775938, a_6 = -1.823491703467569, a_7 = 2.149217799130262, a_8 = 1.0728685839541312, a_9 = 0.009376038570125002, a_{10} = 0.5794732013344746, a_{11} = 7.300093684670745, a_{12} = 3.864224776221405, a_{13} = 0.008692067736892638, a_{14} = 0.24092767741741444, a_{15} = -0.2768227077162956, a_{16} = -0.0076950140453105375, a_{17} = -0.11654222716355817, a_{18} = 5.766677158540714e-05, a_{19} = 0.0004803408682897848 5, a_{20} = -0.012708874053357223$	RHOB, PHIN, VSH, DT, AI	0.9133	0.0978
	$a_0 = 8.544381924427494, a_1 = 3.0541158809096394e-06, a_2 = -2.7383032747377833, a_3 = 0.8487068644690847, a_4 = -0.05032330438610533, a_5 = -1.132981013939783, a_6 = -1.2066361095329075, a_7 = 2.1093291784197588, a_8 = -0.17804679934077866, a_9 = 0.004029548870076077, a_{10} = 0.39085512496941116, a_{11} = 5.001408289066729, a_{12} = -0.5075071010530611, a_{13} = -0.01007700988727273, a_{14} = -0.11431254590349436, a_{15} = -0.003996182937966926, a_{16} = -0.00045006686055032755, a_{17} = -0.01025620519805398, a_{18} = 6.36666129921012e-05, a_{19} = 0.0030541158670631123, a_{20} = -0.0024543340784409875$	RHOB, PHIN, U, DT, AI	0.9135	0.0986

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
	$a_0 = 28.857030247874704, a_1 = -7.290012522941325e-07, a_2 = 11.824068433410064, a_3 = 1.9966276138192847, a_4 = -0.15340593039733136, a_5 = -3.0054652928338874, a_6 = -3.615897849141224, a_7 = -1.1631500662596295, a_8 = -0.3715677262445677, a_9 = 0.03541940249180692, a_{10} = 1.5314724109040634, a_{11} = -0.20788439481394502, a_{12} = -0.04439437728694615, a_{13} = -0.021545748564947818, a_{14} = -0.34974485472913713, a_{15} = 0.017538351786997506, a_{16} = -0.0035123293914197623, a_{17} = -0.04750746397744643, a_{18} = 0.00015242392893991775, a_{19} = -0.0007290012571109388, a_{20} = -0.036980339661868$	RHOB, VSH, U, DT, AI	0.6985	0.1794
	$a_0 = 9.600606192743275, a_1 = -6.762304847462451, a_2 = 2.4726950977105755, a_3 = 0.6920237658468091, a_4 = -0.04404311760194622, a_5 = -0.8476185125608204, a_6 = 4.931891382384794, a_7 = 3.1819476810375504, a_8 = -0.27069804534393266, a_9 = 0.0022152417913450105, a_{10} = 0.1770318810987126, a_{11} = -0.10108178986152831, a_{12} = 0.038548459452382125, a_{13} = -0.010618146293300492, a_{14} = -0.11285996831841315, a_{15} = 0.0008624930086521425, a_{16} = -0.00126856133565043, a_{17} = -0.03252334375735734, a_{18} = 6.623001793574983e-05, a_{19} = 0.002053189010503651, a_{20} = 0.02598292660780737$	PHIN, VSH, U, DT, AI	0.9195	0.0936

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Table 3: Logs - TD - Polynomial regression (Continued)

Format	Coff.	Logs	R2	MAE
$y =$ $a_0+a_1x_1+a_2x_2+$ $a_3x_3+a_4x_4+$ $a_5x_5+a_6x_6+$ $a_7x_1^2+a_8x_1x_2+$ $a_9x_1x_3+$ $a_{10}x_1x_4+$ $a_{11}x_1x_5+$ $a_{12}x_1x_6+$ $a_{13}x_2^2+a_{14}x_2x_3+$ $a_{15}x_2x_4+$ $a_{16}x_2x_5+$ $a_{17}x_2x_6+$ $a_{18}x_3^2+a_{19}x_3x_4+$ $a_{20}x_3x_5+$ $a_{21}x_3x_6+$ $a_{22}x_4^2+a_{23}x_4x_5+$ $a_{24}x_4x_6+a_{25}x_5^2+$ $a_{26}x_5x_6+a_{27}x_6^2$	$a_0 = 12.37782692230617, a_1 = -2.8514769105252003e-06, a_2 =$ $-7.396636257119572, a_3 = 3.91725643834096, a_4 = 0.9441197555859873, a_5 =$ $-0.049857062801560714, a_6 = -0.9621851588433091, a_7 = -1.6176595335083197, a_8 =$ $1.1102866213341807, a_9 = -0.042837881237402155, a_{10} =$ $-0.19214383376297325, a_{11} = 0.01794392804280392, a_{12} = 0.7352699617396207, a_{13} =$ $5.1817802603904335, a_{14} = 3.0031171803876293, a_{15} = -0.22692690424340703, a_{16} =$ $-0.001839388100137873, a_{17} = 0.03962729794388102, a_{18} =$ $-0.07410571157139244, a_{19} = 0.04878366770023604, a_{20} =$ $-0.013353063013520912, a_{21} = -0.1904718265381057, a_{22} =$ $0.002861152867951829, a_{23} = -0.0012223818450677727, a_{24} =$ $-0.019776503942841816, a_{25} = 4.409689911885133e-05, a_{26} =$ $-0.0028514769259644236, a_{27} = -0.028049832887622226$	RHOB, PHIN, VSH, U, DT, AI	0.9234	0.0917