Analysis Results - Correlation

category	variable_1	variable_2	correlation	p_value
correlation	ENV_SOILOC	ENV_SOILOC	1.0	None
correlation	ENV_SOILOC	ENV_SOILTC	0.9238886886319636	2.6494892887805686e-139
correlation	ENV_SOILOC	ENV_SOILTN	0.923598059237735	4.839304134309847e-139
correlation	ENV_SOILOC	ENV_PH	-0.11648740204458474	0.032021421815046025
correlation	ENV_SOILOC	ENV_SOILCLAY	0.7507345942923017	1.8289496575496237e-62
correlation	ENV_SOILOC	ENV_SOILSILT	0.8498706452918601	1.716225008548246e-95
correlation	ENV_SOILOC	ENV_SOILSAND	-0.8386442704962805	1.142148670623936e-90
correlation	ENV_SOILOC	ENV_SOILMOIS	0.875498736458907	1.786953059539957e-108
correlation	ENV_SOILOC	ENV_SOILP	0.23015702575775357	3.133438569976708e-05
correlation	ENV_SOILOC	PC_SHOOTMASS	0.4746387111137456	2.4545696260761e-20
correlation	ENV_SOILOC	PC_LITTERMASS	0.11454487215581151	0.035564302959905134
correlation	ENV_SOILOC	COVER_TOTAL_JUL	0.27450912186663545	2.828196427572219e-07
correlation	ENV_SOILOC	COVER_RICHNESS_JUL	-0.03352796901104236	0.5384171932370838
correlation	ENV_SOILOC	PASTURE_TOTALAREA	-0.8322886512751729	2.345342697049638e-88
correlation	ENV_SOILOC	LAT	0.8542133824661006	9.486374279801738e-98
correlation	ENV_SOILOC	LONG	0.8515845039787142	1.5220551906407517e-96
correlation	ENV_SOILOC	ENV_SOILNH4	0.11822836881913042	0.029524359276416997
correlation	ENV_SOILOC	ENV_SOILNO3	0.11321023384571513	0.03721251633088648
correlation	ENV_SOILOC	SOIL_EC_uS_cm	-0.7518551370103503	7.633730069816322e-15
correlation	ENV_SOILOC	SOIL_CO2_mg_per_g	0.7175838099680872	4.3610953476010945e-13
correlation	ENV_SOILTC	ENV_SOILOC	0.9238886886319636	2.6494892887805686e-139
correlation	ENV_SOILTC	ENV_SOILTC	1.0	None
correlation	ENV_SOILTC	ENV_SOILTN	0.9965157190061462	0.0
correlation	ENV_SOILTC	ENV_PH	-0.11548856752448979	0.03460403347026069
correlation	ENV_SOILTC	ENV_SOILCLAY	0.7563554043136921	3.703696008343087e-63
correlation	ENV_SOILTC	ENV_SOILSILT	0.8467236481459689	5.301311702807503e-93
correlation	ENV_SOILTC	ENV_SOILSAND	-0.8397637228785245	4.540941764788693e-90
correlation	ENV_SOILTC	ENV_SOILMOIS	0.8660633886153262	2.756704610417893e-102
correlation	ENV_SOILTC	ENV_SOILP	0.22927198689228145	3.5642176290118966e-05
correlation	ENV_SOILTC	PC_SHOOTMASS	0.4811066297835821	1.0781887129012953e-20
correlation	ENV_SOILTC	PC_LITTERMASS	0.12921857179432525	0.018321820682054263

correlation	ENV_SOILTC	COVER_TOTAL_JUL	0.3038879779789354	1.3782764853246388e-08
correlation	ENV_SOILTC	COVER_RICHNESS_JUL	-0.025651900671046356	0.63990690998573
correlation	ENV_SOILTC	PASTURE_TOTALAREA	-0.8261322465435949	5.812024390096179e-85
correlation	ENV_SOILTC	LAT	0.8498348347233843	1.221710919138023e-94
correlation	ENV_SOILTC	LONG	0.8474488320716855	1.363847355723937e-93
correlation	ENV_SOILTC	ENV_SOILNH4	0.11767394538416348	0.03130118126826917
correlation	ENV_SOILTC	ENV_SOILNO3	0.10404553410005032	0.05711964195192065
correlation	ENV_SOILTC	SOIL_EC_uS_cm	-0.7907993839300845	1.940870775549028e-17
correlation	ENV_SOILTC	SOIL_CO2_mg_per_g	0.7602868111490734	1.6443322150818753e-15
correlation	ENV_SOILTN	ENV_SOILOC	0.923598059237735	4.839304134309847e-139
correlation	ENV_SOILTN	ENV_SOILTC	0.9965157190061462	0.0
correlation	ENV_SOILTN	ENV_SOILTN	1.0	None
correlation	ENV_SOILTN	ENV_PH	-0.12583582723381445	0.021237830573701627
correlation	ENV_SOILTN	ENV_SOILCLAY	0.7610686888300111	2.2432345050100764e-64
correlation	ENV_SOILTN	ENV_SOILSILT	0.8419618906916027	5.575304374409289e-91
correlation	ENV_SOILTN	ENV_SOILSAND	-0.8393792501382379	6.532041267934198e-90
correlation	ENV_SOILTN	ENV_SOILMOIS	0.862755730852343	1.1962062454242481e-100
correlation	ENV_SOILTN	ENV_SOILP	0.20722946281448262	0.00019358307393363354
correlation	ENV_SOILTN	PC_SHOOTMASS	0.47992575413470906	1.3797253836016564e-20
correlation	ENV_SOILTN	PC_LITTERMASS	0.12894679696952804	0.018570320977086517
correlation	ENV_SOILTN	COVER_TOTAL_JUL	0.2979549139813353	2.699723454038178e-08
correlation	ENV_SOILTN	COVER_RICHNESS_JUL	-0.0336263012377839	0.5396545967014701
correlation	ENV_SOILTN	PASTURE_TOTALAREA	-0.8254585740777404	1.0414321455452728e-84
correlation	ENV_SOILTN	LAT	0.8490824146022112	2.6263044096151823e-94
correlation	ENV_SOILTN	LONG	0.8465814182619154	3.245203390580702e-93
correlation	ENV_SOILTN	ENV_SOILNH4	0.11466271676407666	0.035927113263797265
correlation	ENV_SOILTN	ENV_SOILNO3	0.10081436895443496	0.06532799256535743
correlation	ENV_SOILTN	SOIL_EC_uS_cm	-0.7948293260361743	1.0219611885524414e-17
correlation	ENV_SOILTN	SOIL_CO2_mg_per_g	0.7642309295619456	9.620885385541946e-16
correlation	ENV_PH	ENV_SOILOC	-0.11648740204458474	0.032021421815046025
correlation	ENV_PH	ENV_SOILTC	-0.11548856752448979	0.03460403347026069
correlation	ENV_PH	ENV_SOILTN	-0.12583582723381445	0.021237830573701627
correlation	ENV_PH	ENV_PH	1.0	None
correlation	ENV_PH	ENV_SOILCLAY	-0.07148267716428343	0.18275484347702706
correlation	ENV_PH	ENV_SOILSILT	-0.00821202684355078	0.8785043296111805

correlation	ENV_PH	ENV_SOILSAND	0.03911380312940171	0.46639113273548144
correlation	ENV_PH	ENV_SOILMOIS	-0.06584649508000288	0.21914594777097535
correlation	ENV_PH	ENV_SOILP	0.09277832061516703	0.09145584222219687
correlation	ENV_PH	PC_SHOOTMASS	-0.009789327561543248	0.8556103051069115
correlation	ENV_PH	PC_LITTERMASS	0.01632299155714411	0.7615651509377074
correlation	ENV_PH	COVER_TOTAL_JUL	-0.034701612887540326	0.517580019408267
correlation	ENV_PH	COVER_RICHNESS_JUL	-0.04239312749981547	0.4291651248001117
correlation	ENV_PH	PASTURE_TOTALAREA	0.07005881002053962	0.19100942570544868
correlation	ENV_PH	LAT	-0.07761835499393105	0.1473100065208785
correlation	ENV_PH	LONG	-0.07524000510259768	0.16014985479223517
correlation	ENV_PH	ENV_SOILNH4	0.0044866455102037205	0.9333445695688904
correlation	ENV_PH	ENV_SOILNO3	0.002678763679243115	0.9601734754466789
correlation	ENV_PH	SOIL_EC_uS_cm	-0.1604916362393674	0.15767891136772558
correlation	ENV_PH	SOIL_CO2_mg_per_g	0.19022316173134632	0.09312063753173429
correlation	ENV_SOILCLAY	ENV_SOILOC	0.7507345942923017	1.8289496575496237e-62
correlation	ENV_SOILCLAY	ENV_SOILTC	0.7563554043136921	3.703696008343087e-63
correlation	ENV_SOILCLAY	ENV_SOILTN	0.7610686888300111	2.2432345050100764e-64
correlation	ENV_SOILCLAY	ENV_PH	-0.07148267716428343	0.18275484347702706
correlation	ENV_SOILCLAY	ENV_SOILCLAY	1.0	None
correlation	ENV_SOILCLAY	ENV_SOILSILT	0.8354747876478873	3.0596773658818318e-92
correlation	ENV_SOILCLAY	ENV_SOILSAND	-0.9513804166797079	1.545445556327261e-179
correlation	ENV_SOILCLAY	ENV_SOILMOIS	0.7615888440555125	2.3957723305530475e-67
correlation	ENV_SOILCLAY	ENV_SOILP	0.061728629925800575	0.2627675806935851
correlation	ENV_SOILCLAY	PC_SHOOTMASS	0.34314002042369907	5.050147275879855e-11
correlation	ENV_SOILCLAY	PC_LITTERMASS	-0.006095451121448951	0.909921926799254
correlation	ENV_SOILCLAY	COVER_TOTAL_JUL	0.18965637993698511	0.0003669892223992524
correlation	ENV_SOILCLAY	COVER_RICHNESS_JUL	-0.05528188598099552	0.30308817757756007
correlation	ENV_SOILCLAY	PASTURE_TOTALAREA	-0.8816931567732091	3.0705691425697743e-115
correlation	ENV_SOILCLAY	LAT	0.9111025535752922	1.2785117880092837e-135
correlation	ENV_SOILCLAY	LONG	0.9088935106540896	7.415128936718671e-134
correlation	ENV_SOILCLAY	ENV_SOILNH4	0.03821353928633992	0.47672077715355443
correlation	ENV_SOILCLAY	ENV_SOILNO3	0.03630044427039763	0.49907990489748927
correlation	ENV_SOILCLAY	SOIL_EC_uS_cm	-0.6953385500291078	1.6179166561623194e-12
correlation	ENV_SOILCLAY	SOIL_CO2_mg_per_g	0.6512332975464848	1.0768482790661284e-10
correlation	ENV_SOILSILT	ENV_SOILOC	0.8498706452918601	1.716225008548246e-95

correlation	ENV_SOILSILT	ENV_SOILTC	0.8467236481459689	5.301311702807503e-93
correlation	ENV_SOILSILT	ENV_SOILTN	0.8419618906916027	5.575304374409289e-91
correlation	ENV_SOILSILT	ENV_PH	-0.00821202684355078	0.8785043296111805
correlation	ENV_SOILSILT	ENV_SOILCLAY	0.8354747876478873	3.0596773658818318e-92
correlation	ENV_SOILSILT	ENV_SOILSILT	1.0	None
correlation	ENV_SOILSILT	ENV_SOILSAND	-0.9641192441195299	6.03037389393873e-202
correlation	ENV_SOILSILT	ENV_SOILMOIS	0.8470109542958058	2.9792443577839787e-97
correlation	ENV_SOILSILT	ENV_SOILP	0.24116519484882615	9.13594572860489e-06
correlation	ENV_SOILSILT	PC_SHOOTMASS	0.41331282211128273	9.479913673039148e-16
correlation	ENV_SOILSILT	PC_LITTERMASS	0.02607290253558091	0.6283758179152489
correlation	ENV_SOILSILT	COVER_TOTAL_JUL	0.26117259939544946	7.508056976546066e-07
correlation	ENV_SOILSILT	COVER_RICHNESS_JUL	-0.02947812217063715	0.5831149904671897
correlation	ENV_SOILSILT	PASTURE_TOTALAREA	-0.9056933743719792	2.2206564947344364e-131
correlation	ENV_SOILSILT	LAT	0.9188593952730003	3.3791376273175e-142
correlation	ENV_SOILSILT	LONG	0.9185015520990821	7.022572151543566e-142
correlation	ENV_SOILSILT	ENV_SOILNH4	0.09942663395563316	0.06354213997425907
correlation	ENV_SOILSILT	ENV_SOILNO3	0.07926287955837319	0.13947032774207105
correlation	ENV_SOILSILT	SOIL_EC_uS_cm	-0.8564337495679779	1.5966841989153352e-23
correlation	ENV_SOILSILT	SOIL_CO2_mg_per_g	0.8246098400989247	1.7295458857557546e-20
correlation	ENV_SOILSAND	ENV_SOILOC	-0.8386442704962805	1.142148670623936e-90
correlation	ENV_SOILSAND	ENV_SOILTC	-0.8397637228785245	4.540941764788693e-90
correlation	ENV_SOILSAND	ENV_SOILTN	-0.8393792501382379	6.532041267934198e-90
correlation	ENV_SOILSAND	ENV_PH	0.03911380312940171	0.46639113273548144
correlation	ENV_SOILSAND	ENV_SOILCLAY	-0.9513804166797079	1.545445556327261e-179
correlation	ENV_SOILSAND	ENV_SOILSILT	-0.9641192441195299	6.03037389393873e-202
correlation	ENV_SOILSAND	ENV_SOILSAND	1.0	None
correlation	ENV_SOILSAND	ENV_SOILMOIS	-0.8426816351140117	2.524356947069149e-95
correlation	ENV_SOILSAND	ENV_SOILP	-0.16522050906551694	0.0025672386401179932
correlation	ENV_SOILSAND	PC_SHOOTMASS	-0.397519616768516	1.3845787938428458e-14
correlation	ENV_SOILSAND	PC_LITTERMASS	-0.011663968584562893	0.828598779682039
correlation	ENV_SOILSAND	COVER_TOTAL_JUL	-0.23801010200460052	6.950249173442332e-06
correlation	ENV_SOILSAND	COVER_RICHNESS_JUL	0.043227035622764094	0.4208041654664848
correlation	ENV_SOILSAND	PASTURE_TOTALAREA	0.9335848578561887	1.0197411922918545e-156
correlation	ENV_SOILSAND	LAT	-0.9551747910298646	1.6258588588484645e-185
correlation	ENV_SOILSAND	LONG	-0.9539064108806685	1.841903453926673e-183

correlation	ENV_SOILSAND	ENV_SOILNH4	-0.0741757592180428	0.16677173861664138
correlation	ENV_SOILSAND	ENV_SOILNO3	-0.061954696761657345	0.24835007188620473
correlation	ENV_SOILSAND	SOIL_EC_uS_cm	0.805847986659243	5.677690255324638e-19
correlation	ENV_SOILSAND	SOIL_CO2_mg_per_g	-0.7670609297068067	2.6437953484834194e-16
correlation	ENV_SOILMOIS	ENV_SOILOC	0.875498736458907	1.786953059539957e-108
correlation	ENV_SOILMOIS	ENV_SOILTC	0.8660633886153262	2.756704610417893e-102
correlation	ENV_SOILMOIS	ENV_SOILTN	0.862755730852343	1.1962062454242481e-100
correlation	ENV_SOILMOIS	ENV_PH	-0.06584649508000288	0.21914594777097535
correlation	ENV_SOILMOIS	ENV_SOILCLAY	0.7615888440555125	2.3957723305530475e-67
correlation	ENV_SOILMOIS	ENV_SOILSILT	0.8470109542958058	2.9792443577839787e-97
correlation	ENV_SOILMOIS	ENV_SOILSAND	-0.8426816351140117	2.524356947069149e-95
correlation	ENV_SOILMOIS	ENV_SOILMOIS	1.0	None
correlation	ENV_SOILMOIS	ENV_SOILP	0.34199637828510593	1.5332008789489178e-10
correlation	ENV_SOILMOIS	PC_SHOOTMASS	0.4545401198123263	3.8138349213440014e-19
correlation	ENV_SOILMOIS	PC_LITTERMASS	0.09835822403703334	0.06684817471331247
correlation	ENV_SOILMOIS	COVER_TOTAL_JUL	0.28464962953285505	6.001354189514087e-08
correlation	ENV_SOILMOIS	COVER_RICHNESS_JUL	-0.042893264574176054	0.423735661959441
correlation	ENV_SOILMOIS	PASTURE_TOTALAREA	-0.7912249946841916	2.5350377496930205e-76
correlation	ENV_SOILMOIS	LAT	0.8308877092426118	1.3072504000146617e-90
correlation	ENV_SOILMOIS	LONG	0.8252950729853611	2.2217898913167806e-88
correlation	ENV_SOILMOIS	ENV_SOILNH4	0.12848160253993077	0.016170343765886646
correlation	ENV_SOILMOIS	ENV_SOILNO3	0.1713963488220221	0.0012867748044330652
correlation	ENV_SOILMOIS	SOIL_EC_uS_cm	-0.714633744987775	1.4017782279379263e-13
correlation	ENV_SOILMOIS	SOIL_CO2_mg_per_g	0.679118901942722	6.0119794057531955e-12
correlation	ENV_SOILP	ENV_SOILOC	0.23015702575775357	3.133438569976708e-05
correlation	ENV_SOILP	ENV_SOILTC	0.22927198689228145	3.5642176290118966e-05
correlation	ENV_SOILP	ENV_SOILTN	0.20722946281448262	0.00019358307393363354
correlation	ENV_SOILP	ENV_PH	0.09277832061516703	0.09145584222219687
correlation	ENV_SOILP	ENV_SOILCLAY	0.061728629925800575	0.2627675806935851
correlation	ENV_SOILP	ENV_SOILSILT	0.24116519484882615	9.13594572860489e-06
correlation	ENV_SOILP	ENV_SOILSAND	-0.16522050906551694	0.0025672386401179932
correlation	ENV_SOILP	ENV_SOILMOIS	0.34199637828510593	1.5332008789489178e-10
correlation	ENV_SOILP	ENV_SOILP	1.0	None
correlation	ENV_SOILP	PC_SHOOTMASS	0.20220520450254253	0.00021767492030485978
correlation	ENV_SOILP	PC_LITTERMASS	0.0065829473732604595	0.905170222167587

correlation	ENV_SOILP	COVER_TOTAL_JUL	0.06521769692842122	0.2359766612788045
correlation	ENV_SOILP	COVER_RICHNESS_JUL	-0.07780252585435339	0.15723640482367296
correlation	ENV_SOILP	PASTURE_TOTALAREA	-0.16321732797521835	0.0028565118098325738
correlation	ENV_SOILP	LAT	0.15071060162635488	0.005933145874023754
correlation	ENV_SOILP	LONG	0.1473667895209742	0.007151116930164455
correlation	ENV_SOILP	ENV_SOILNH4	0.09925848682712818	0.07088440667056521
correlation	ENV_SOILP	ENV_SOILNO3	0.11232077097480207	0.040821402001647494
correlation	ENV_SOILP	SOIL_EC_uS_cm	-0.07472439543528682	0.524024037559525
correlation	ENV_SOILP	SOIL_CO2_mg_per_g	0.06876616752082226	0.5577246142222013
correlation	PC_SHOOTMASS	ENV_SOILOC	0.4746387111137456	2.4545696260761e-20
correlation	PC_SHOOTMASS	ENV_SOILTC	0.4811066297835821	1.0781887129012953e-20
correlation	PC_SHOOTMASS	ENV_SOILTN	0.47992575413470906	1.3797253836016564e-20
correlation	PC_SHOOTMASS	ENV_PH	-0.009789327561543248	0.8556103051069115
correlation	PC_SHOOTMASS	ENV_SOILCLAY	0.34314002042369907	5.050147275879855e-11
correlation	PC_SHOOTMASS	ENV_SOILSILT	0.41331282211128273	9.479913673039148e-16
correlation	PC_SHOOTMASS	ENV_SOILSAND	-0.397519616768516	1.3845787938428458e-14
correlation	PC_SHOOTMASS	ENV_SOILMOIS	0.4545401198123263	3.8138349213440014e-19
correlation	PC_SHOOTMASS	ENV_SOILP	0.20220520450254253	0.00021767492030485978
correlation	PC_SHOOTMASS	PC_SHOOTMASS	1.0	None
correlation	PC_SHOOTMASS	PC_LITTERMASS	0.44047337563872	6.683081719983133e-18
correlation	PC_SHOOTMASS	COVER_TOTAL_JUL	0.2903442091357998	3.466276732847802e-08
correlation	PC_SHOOTMASS	COVER_RICHNESS_JUL	-0.10211369558444831	0.057036655781524725
correlation	PC_SHOOTMASS	PASTURE_TOTALAREA	-0.3808706510378767	1.8573412048509705e-13
correlation	PC_SHOOTMASS	LAT	0.37363310402700883	5.69226166916817e-13
correlation	PC_SHOOTMASS	LONG	0.3667557930359631	1.608318885983243e-12
correlation	PC_SHOOTMASS	ENV_SOILNH4	0.08666702260229518	0.1065331688608341
correlation	PC_SHOOTMASS	ENV_SOILNO3	0.03818749147678748	0.47765800638122047
correlation	PC_SHOOTMASS	SOIL_EC_uS_cm	-0.4611593465886583	2.433133323842629e-05
correlation	PC_SHOOTMASS	SOIL_CO2_mg_per_g	0.4636417347537274	2.1702574355030665e-05
correlation	PC_LITTERMASS	ENV_SOILOC	0.11454487215581151	0.035564302959905134
correlation	PC_LITTERMASS	ENV_SOILTC	0.12921857179432525	0.018321820682054263
correlation	PC_LITTERMASS	ENV_SOILTN	0.12894679696952804	0.018570320977086517
correlation	PC_LITTERMASS	ENV_PH	0.01632299155714411	0.7615651509377074
correlation	PC_LITTERMASS	ENV_SOILCLAY	-0.006095451121448951	0.909921926799254
correlation	PC_LITTERMASS	ENV_SOILSILT	0.02607290253558091	0.6283758179152489

correlation	PC_LITTERMASS	ENV_SOILSAND	-0.011663968584562893	0.828598779682039
correlation	PC_LITTERMASS	ENV_SOILMOIS	0.09835822403703334	0.06684817471331247
correlation	PC_LITTERMASS	ENV_SOILP	0.0065829473732604595	0.905170222167587
correlation	PC_LITTERMASS	PC_SHOOTMASS	0.44047337563872	6.683081719983133e-18
correlation	PC_LITTERMASS	PC_LITTERMASS	1.0	None
correlation	PC_LITTERMASS	COVER_TOTAL_JUL	0.15724312233705656	0.0032705338870646057
correlation	PC_LITTERMASS	COVER_RICHNESS_JUL	-0.08241880907413075	0.12488628661759835
correlation	PC_LITTERMASS	PASTURE_TOTALAREA	0.015310203796052854	0.7759527262876368
correlation	PC_LITTERMASS	LAT	0.003485229128841561	0.94834726971825
correlation	PC_LITTERMASS	LONG	0.002983836427059915	0.9557699242352556
correlation	PC_LITTERMASS	ENV_SOILNH4	0.016592449353577773	0.7577508118531534
correlation	PC_LITTERMASS	ENV_SOILNO3	-0.03743414618552535	0.4863934838907951
correlation	PC_LITTERMASS	SOIL_EC_uS_cm	-0.15254672312902828	0.1853489730985032
correlation	PC_LITTERMASS	SOIL_CO2_mg_per_g	0.15890523758405972	0.16747304538335966
correlation	COVER_TOTAL_JUL	ENV_SOILOC	0.27450912186663545	2.828196427572219e-07
correlation	COVER_TOTAL_JUL	ENV_SOILTC	0.3038879779789354	1.3782764853246388e-08
correlation	COVER_TOTAL_JUL	ENV_SOILTN	0.2979549139813353	2.699723454038178e-08
correlation	COVER_TOTAL_JUL	ENV_PH	-0.034701612887540326	0.517580019408267
correlation	COVER_TOTAL_JUL	ENV_SOILCLAY	0.18965637993698511	0.0003669892223992524
correlation	COVER_TOTAL_JUL	ENV_SOILSILT	0.26117259939544946	7.508056976546066e-07
correlation	COVER_TOTAL_JUL	ENV_SOILSAND	-0.23801010200460052	6.950249173442332e-06
correlation	COVER_TOTAL_JUL	ENV_SOILMOIS	0.28464962953285505	6.001354189514087e-08
correlation	COVER_TOTAL_JUL	ENV_SOILP	0.06521769692842122	0.2359766612788045
correlation	COVER_TOTAL_JUL	PC_SHOOTMASS	0.2903442091357998	3.466276732847802e-08
correlation	COVER_TOTAL_JUL	PC_LITTERMASS	0.15724312233705656	0.0032705338870646057
correlation	COVER_TOTAL_JUL	COVER_TOTAL_JUL	1.0	None
correlation	COVER_TOTAL_JUL	COVER_RICHNESS_JUL	0.6775678111705454	2.2964160134582953e-48
correlation	COVER_TOTAL_JUL	PASTURE_TOTALAREA	-0.24303230573888948	4.23309809983299e-06
correlation	COVER_TOTAL_JUL	LAT	0.25253097927231016	1.707308806030536e-06
correlation	COVER_TOTAL_JUL	LONG	0.2496422558375261	2.2590551324628446e-06
correlation	COVER_TOTAL_JUL	ENV_SOILNH4	0.022305219329645524	0.6775187433172202
correlation	COVER_TOTAL_JUL	ENV_SOILNO3	-0.007135261470811696	0.8941833507524871
correlation	COVER_TOTAL_JUL	SOIL_EC_uS_cm	-0.40248658709150703	0.00023583720953878706
correlation	COVER_TOTAL_JUL	SOIL_CO2_mg_per_g	0.40540216436737	0.00021027735759852266
correlation	COVER_RICHNESS_JUL	ENV_SOILOC	-0.03352796901104236	0.5384171932370838

correlation	COVER_RICHNESS_JUL	ENV_SOILTC	-0.025651900671046356	0.63990690998573
correlation	COVER_RICHNESS_JUL	ENV_SOILTN	-0.0336263012377839	0.5396545967014701
correlation	COVER_RICHNESS_JUL	ENV_PH	-0.04239312749981547	0.4291651248001117
correlation	COVER_RICHNESS_JUL	ENV_SOILCLAY	-0.05528188598099552	0.30308817757756007
correlation	COVER_RICHNESS_JUL	ENV_SOILSILT	-0.02947812217063715	0.5831149904671897
correlation	COVER_RICHNESS_JUL	ENV_SOILSAND	0.043227035622764094	0.4208041654664848
correlation	COVER_RICHNESS_JUL	ENV_SOILMOIS	-0.042893264574176054	0.423735661959441
correlation	COVER_RICHNESS_JUL	ENV_SOILP	-0.07780252585435339	0.15723640482367296
correlation	COVER_RICHNESS_JUL	PC_SHOOTMASS	-0.10211369558444831	0.057036655781524725
correlation	COVER_RICHNESS_JUL	PC_LITTERMASS	-0.08241880907413075	0.12488628661759835
correlation	COVER_RICHNESS_JUL	COVER_TOTAL_JUL	0.6775678111705454	2.2964160134582953e-48
correlation	COVER_RICHNESS_JUL	COVER_RICHNESS_JUL	1.0	None
correlation	COVER_RICHNESS_JUL	PASTURE_TOTALAREA	0.032242020115155055	0.5477124584555677
correlation	COVER_RICHNESS_JUL	LAT	-0.007920383156136272	0.882619749255828
correlation	COVER_RICHNESS_JUL	LONG	-0.0058616501602617	0.9129882782485975
correlation	COVER_RICHNESS_JUL	ENV_SOILNH4	-0.0889706216644344	0.09654674345382874
correlation	COVER_RICHNESS_JUL	ENV_SOILNO3	-0.11142576429178241	0.037194701605061956
correlation	COVER_RICHNESS_JUL	SOIL_EC_uS_cm	-0.11175990098148164	0.32679651009465704
correlation	COVER_RICHNESS_JUL	SOIL_CO2_mg_per_g	0.11844813797528653	0.2984910002079414
correlation	PASTURE_TOTALAREA	ENV_SOILOC	-0.8322886512751729	2.345342697049638e-88
correlation	PASTURE_TOTALAREA	ENV_SOILTC	-0.8261322465435949	5.812024390096179e-85
correlation	PASTURE_TOTALAREA	ENV_SOILTN	-0.8254585740777404	1.0414321455452728e-84
correlation	PASTURE_TOTALAREA	ENV_PH	0.07005881002053962	0.19100942570544868
correlation	PASTURE_TOTALAREA	ENV_SOILCLAY	-0.8816931567732091	3.0705691425697743e-115
correlation	PASTURE_TOTALAREA	ENV_SOILSILT	-0.9056933743719792	2.2206564947344364e-131
correlation	PASTURE_TOTALAREA	ENV_SOILSAND	0.9335848578561887	1.0197411922918545e-156
correlation	PASTURE_TOTALAREA	ENV_SOILMOIS	-0.7912249946841916	2.5350377496930205e-76
correlation	PASTURE_TOTALAREA	ENV_SOILP	-0.16321732797521835	0.0028565118098325738
correlation	PASTURE_TOTALAREA	PC_SHOOTMASS	-0.3808706510378767	1.8573412048509705e-13
correlation	PASTURE_TOTALAREA	PC_LITTERMASS	0.015310203796052854	0.7759527262876368
correlation	PASTURE_TOTALAREA	COVER_TOTAL_JUL	-0.24303230573888948	4.23309809983299e-06
correlation	PASTURE_TOTALAREA	COVER_RICHNESS_JUL	0.032242020115155055	0.5477124584555677
correlation	PASTURE_TOTALAREA	PASTURE_TOTALAREA	1.0	None
correlation	PASTURE_TOTALAREA	LAT	-0.9664758942075523	1.443890394916052e-207
correlation	PASTURE_TOTALAREA	LONG	-0.9663174228291755	3.2350900634330796e-207

correlation	PASTURE_TOTALAREA	ENV_SOILNH4	-0.08028272343992231	0.13387368639486333
correlation	PASTURE_TOTALAREA	ENV_SOILNO3	-0.06767514281945802	0.20658730919782323
correlation	PASTURE_TOTALAREA	SOIL_EC_uS_cm	0.7934744317555407	2.8075738293546543e-18
correlation	PASTURE_TOTALAREA	SOIL_CO2_mg_per_g	-0.7590415292782506	5.259768967273977e-16
correlation	LAT	ENV_SOILOC	0.8542133824661006	9.486374279801738e-98
correlation	LAT	ENV_SOILTC	0.8498348347233843	1.221710919138023e-94
correlation	LAT	ENV_SOILTN	0.8490824146022112	2.6263044096151823e-94
correlation	LAT	ENV_PH	-0.07761835499393105	0.1473100065208785
correlation	LAT	ENV_SOILCLAY	0.9111025535752922	1.2785117880092837e-135
correlation	LAT	ENV_SOILSILT	0.9188593952730003	3.3791376273175e-142
correlation	LAT	ENV_SOILSAND	-0.9551747910298646	1.6258588588484645e-185
correlation	LAT	ENV_SOILMOIS	0.8308877092426118	1.3072504000146617e-90
correlation	LAT	ENV_SOILP	0.15071060162635488	0.005933145874023754
correlation	LAT	PC_SHOOTMASS	0.37363310402700883	5.69226166916817e-13
correlation	LAT	PC_LITTERMASS	0.003485229128841561	0.94834726971825
correlation	LAT	COVER_TOTAL_JUL	0.25253097927231016	1.707308806030536e-06
correlation	LAT	COVER_RICHNESS_JUL	-0.007920383156136272	0.882619749255828
correlation	LAT	PASTURE_TOTALAREA	-0.9664758942075523	1.443890394916052e-207
correlation	LAT	LAT	1.0	None
correlation	LAT	LONG	0.9993854783838719	0.0
correlation	LAT	ENV_SOILNH4	0.06540467828458323	0.22226042634595117
correlation	LAT	ENV_SOILNO3	0.05811996500032093	0.27820870439597933
correlation	LAT	SOIL_EC_uS_cm	-0.7720958535534699	8.057158793121863e-17
correlation	LAT	SOIL_CO2_mg_per_g	0.7274671235947743	3.123290653498789e-14
correlation	LONG	ENV_SOILOC	0.8515845039787142	1.5220551906407517e-96
correlation	LONG	ENV_SOILTC	0.8474488320716855	1.363847355723937e-93
correlation	LONG	ENV_SOILTN	0.8465814182619154	3.245203390580702e-93
correlation	LONG	ENV_PH	-0.07524000510259768	0.16014985479223517
correlation	LONG	ENV_SOILCLAY	0.9088935106540896	7.415128936718671e-134
correlation	LONG	ENV_SOILSILT	0.9185015520990821	7.022572151543566e-142
correlation	LONG	ENV_SOILSAND	-0.9539064108806685	1.841903453926673e-183
correlation	LONG	ENV_SOILMOIS	0.8252950729853611	2.2217898913167806e-88
correlation	LONG	ENV_SOILP	0.1473667895209742	0.007151116930164455
correlation	LONG	PC_SHOOTMASS	0.3667557930359631	1.608318885983243e-12
correlation	LONG	PC_LITTERMASS	0.002983836427059915	0.9557699242352556

correlation	LONG	COVER_TOTAL_JUL	0.2496422558375261	2.2590551324628446e-06
correlation	LONG	COVER_RICHNESS_JUL	-0.0058616501602617	0.9129882782485975
correlation	LONG	PASTURE_TOTALAREA	-0.9663174228291755	3.2350900634330796e-207
correlation	LONG	LAT	0.9993854783838719	0.0
correlation	LONG	LONG	1.0	None
correlation	LONG	ENV_SOILNH4	0.06497584887769742	0.22531341098852395
correlation	LONG	ENV_SOILNO3	0.05596008144846128	0.29648984256030547
correlation	LONG	SOIL_EC_uS_cm	-0.771529575962853	8.762690547934085e-17
correlation	LONG	SOIL_CO2_mg_per_g	0.7266034553455043	3.464550606061271e-14
correlation	ENV_SOILNH4	ENV_SOILOC	0.11822836881913042	0.029524359276416997
correlation	ENV_SOILNH4	ENV_SOILTC	0.11767394538416348	0.03130118126826917
correlation	ENV_SOILNH4	ENV_SOILTN	0.11466271676407666	0.035927113263797265
correlation	ENV_SOILNH4	ENV_PH	0.0044866455102037205	0.9333445695688904
correlation	ENV_SOILNH4	ENV_SOILCLAY	0.03821353928633992	0.47672077715355443
correlation	ENV_SOILNH4	ENV_SOILSILT	0.09942663395563316	0.06354213997425907
correlation	ENV_SOILNH4	ENV_SOILSAND	-0.0741757592180428	0.16677173861664138
correlation	ENV_SOILNH4	ENV_SOILMOIS	0.12848160253993077	0.016170343765886646
correlation	ENV_SOILNH4	ENV_SOILP	0.09925848682712818	0.07088440667056521
correlation	ENV_SOILNH4	PC_SHOOTMASS	0.08666702260229518	0.1065331688608341
correlation	ENV_SOILNH4	PC_LITTERMASS	0.016592449353577773	0.7577508118531534
correlation	ENV_SOILNH4	COVER_TOTAL_JUL	0.022305219329645524	0.6775187433172202
correlation	ENV_SOILNH4	COVER_RICHNESS_JUL	-0.0889706216644344	0.09654674345382874
correlation	ENV_SOILNH4	PASTURE_TOTALAREA	-0.08028272343992231	0.13387368639486333
correlation	ENV_SOILNH4	LAT	0.06540467828458323	0.22226042634595117
correlation	ENV_SOILNH4	LONG	0.06497584887769742	0.22531341098852395
correlation	ENV_SOILNH4	ENV_SOILNH4	1.0	None
correlation	ENV_SOILNH4	ENV_SOILNO3	0.9493916891662243	4.268772351340228e-177
correlation	ENV_SOILNH4	SOIL_EC_uS_cm	-0.041725610301944285	0.7150269760944421
correlation	ENV_SOILNH4	SOIL_CO2_mg_per_g	0.03152160226176847	0.7827224526478037
correlation	ENV_SOILNO3	ENV_SOILOC	0.11321023384571513	0.03721251633088648
correlation	ENV_SOILNO3	ENV_SOILTC	0.10404553410005032	0.05711964195192065
correlation	ENV_SOILNO3	ENV_SOILTN	0.10081436895443496	0.06532799256535743
correlation	ENV_SOILNO3	ENV_PH	0.002678763679243115	0.9601734754466789
correlation	ENV_SOILNO3	ENV_SOILCLAY	0.03630044427039763	0.49907990489748927
correlation	ENV_SOILNO3	ENV_SOILSILT	0.07926287955837319	0.13947032774207105

correlation	ENV_SOILNO3	ENV_SOILSAND	-0.061954696761657345	0.24835007188620473
correlation	ENV_SOILNO3	ENV_SOILMOIS	0.1713963488220221	0.0012867748044330652
correlation	ENV_SOILNO3	ENV_SOILP	0.11232077097480207	0.040821402001647494
correlation	ENV_SOILNO3	PC_SHOOTMASS	0.03818749147678748	0.47765800638122047
correlation	ENV_SOILNO3	PC_LITTERMASS	-0.03743414618552535	0.4863934838907951
correlation	ENV_SOILNO3	COVER_TOTAL_JUL	-0.007135261470811696	0.8941833507524871
correlation	ENV_SOILNO3	COVER_RICHNESS_JUL	-0.11142576429178241	0.037194701605061956
correlation	ENV_SOILNO3	PASTURE_TOTALAREA	-0.06767514281945802	0.20658730919782323
correlation	ENV_SOILNO3	LAT	0.05811996500032093	0.27820870439597933
correlation	ENV_SOILNO3	LONG	0.05596008144846128	0.29648984256030547
correlation	ENV_SOILNO3	ENV_SOILNH4	0.9493916891662243	4.268772351340228e-177
correlation	ENV_SOILNO3	ENV_SOILNO3	1.0	None
correlation	ENV_SOILNO3	SOIL_EC_uS_cm	-0.015815604080600006	0.8899715733370699
correlation	ENV_SOILNO3	SOIL_CO2_mg_per_g	0.0027432647901438462	0.9808573396392146
correlation	SOIL_EC_uS_cm	ENV_SOILOC	-0.7518551370103503	7.633730069816322e-15
correlation	SOIL_EC_uS_cm	ENV_SOILTC	-0.7907993839300845	1.940870775549028e-17
correlation	SOIL_EC_uS_cm	ENV_SOILTN	-0.7948293260361743	1.0219611885524414e-17
correlation	SOIL_EC_uS_cm	ENV_PH	-0.1604916362393674	0.15767891136772558
correlation	SOIL_EC_uS_cm	ENV_SOILCLAY	-0.6953385500291078	1.6179166561623194e-12
correlation	SOIL_EC_uS_cm	ENV_SOILSILT	-0.8564337495679779	1.5966841989153352e-23
correlation	SOIL_EC_uS_cm	ENV_SOILSAND	0.805847986659243	5.677690255324638e-19
correlation	SOIL_EC_uS_cm	ENV_SOILMOIS	-0.714633744987775	1.4017782279379263e-13
correlation	SOIL_EC_uS_cm	ENV_SOILP	-0.07472439543528682	0.524024037559525
correlation	SOIL_EC_uS_cm	PC_SHOOTMASS	-0.4611593465886583	2.433133323842629e-05
correlation	SOIL_EC_uS_cm	PC_LITTERMASS	-0.15254672312902828	0.1853489730985032
correlation	SOIL_EC_uS_cm	COVER_TOTAL_JUL	-0.40248658709150703	0.00023583720953878706
correlation	SOIL_EC_uS_cm	COVER_RICHNESS_JUL	-0.11175990098148164	0.32679651009465704
correlation	SOIL_EC_uS_cm	PASTURE_TOTALAREA	0.7934744317555407	2.8075738293546543e-18
correlation	SOIL_EC_uS_cm	LAT	-0.7720958535534699	8.057158793121863e-17
correlation	SOIL_EC_uS_cm	LONG	-0.771529575962853	8.762690547934085e-17
correlation	SOIL_EC_uS_cm	ENV_SOILNH4	-0.041725610301944285	0.7150269760944421
correlation	SOIL_EC_uS_cm	ENV_SOILNO3	-0.015815604080600006	0.8899715733370699
correlation	SOIL_EC_uS_cm	SOIL_EC_uS_cm	1.0	None
correlation	SOIL_EC_uS_cm	SOIL_CO2_mg_per_g	-0.9958395818068203	7.090226194252622e-82
correlation	SOIL_CO2_mg_per_g	ENV_SOILOC	0.7175838099680872	4.3610953476010945e-13

correlation	SOIL_CO2_mg_per_g	ENV_SOILTC	0.7602868111490734	1.6443322150818753e-15
correlation	SOIL_CO2_mg_per_g	ENV_SOILTN	0.7642309295619456	9.620885385541946e-16
correlation	SOIL_CO2_mg_per_g	ENV_PH	0.19022316173134632	0.09312063753173429
correlation	SOIL_CO2_mg_per_g	ENV_SOILCLAY	0.6512332975464848	1.0768482790661284e-10
correlation	SOIL_CO2_mg_per_g	ENV_SOILSILT	0.8246098400989247	1.7295458857557546e-20
correlation	SOIL_CO2_mg_per_g	ENV_SOILSAND	-0.7670609297068067	2.6437953484834194e-16
correlation	SOIL_CO2_mg_per_g	ENV_SOILMOIS	0.679118901942722	6.0119794057531955e-12
correlation	SOIL_CO2_mg_per_g	ENV_SOILP	0.06876616752082226	0.5577246142222013
correlation	SOIL_CO2_mg_per_g	PC_SHOOTMASS	0.4636417347537274	2.1702574355030665e-05
correlation	SOIL_CO2_mg_per_g	PC_LITTERMASS	0.15890523758405972	0.16747304538335966
correlation	SOIL_CO2_mg_per_g	COVER_TOTAL_JUL	0.40540216436737	0.00021027735759852266
correlation	SOIL_CO2_mg_per_g	COVER_RICHNESS_JUL	0.11844813797528653	0.2984910002079414
correlation	SOIL_CO2_mg_per_g	PASTURE_TOTALAREA	-0.7590415292782506	5.259768967273977e-16
correlation	SOIL_CO2_mg_per_g	LAT	0.7274671235947743	3.123290653498789e-14
correlation	SOIL_CO2_mg_per_g	LONG	0.7266034553455043	3.464550606061271e-14
correlation	SOIL_CO2_mg_per_g	ENV_SOILNH4	0.03152160226176847	0.7827224526478037
correlation	SOIL_CO2_mg_per_g	ENV_SOILNO3	0.0027432647901438462	0.9808573396392146
correlation	SOIL_CO2_mg_per_g	SOIL_EC_uS_cm	-0.9958395818068203	7.090226194252622e-82
correlation	SOIL_CO2_mg_per_g	SOIL_CO2_mg_per_g	1.0	None