

ANEXO V

Coeficientes de Correlação de Spearman entre variáveis selecionadas do projeto MAPEM

Correlations

		MA.N	MA.NCR	MA.NPO	MA.SF	ME.N	ME.NNE	ME.SF	ME.SG
Spearman's rho	CR	Correlation Coefficient	-.044	-.208**	.007	-.128	-.122	-.112	-.126
		Sig. (2-tailed)	.580	.009	.927	.109	.127	.163	.116
		N	158	158	158	158	157	157	157
NI		Correlation Coefficient	-.160*	.038	-.248**	-.126	-.072	.001	.061
		Sig. (2-tailed)	.045	.639	.002	.116	.368	.989	.451
		N	158	158	158	158	157	157	157
MN		Correlation Coefficient	.053	.004	.043	.079	.024	.015	.007
		Sig. (2-tailed)	.511	.961	.594	.326	.764	.850	.932
		N	158	158	158	158	157	157	157
PB		Correlation Coefficient	.075	.047	.068	.044	.059	.070	.060
		Sig. (2-tailed)	.351	.554	.393	.583	.460	.381	.457
		N	158	158	158	158	157	157	157
CD		Correlation Coefficient	-.203*	-.145	-.136	-.139	-.192*	-.129	-.106
		Sig. (2-tailed)	.010	.069	.089	.081	.016	.106	.185
		N	158	158	158	158	157	157	157
ZN		Correlation Coefficient	-.040	.052	-.066	-.111	.003	.111	.135
		Sig. (2-tailed)	.616	.520	.409	.164	.968	.167	.091
		N	158	158	158	158	157	157	157
FE		Correlation Coefficient	-.028	-.137	-.009	-.088	-.146	-.076	-.037
		Sig. (2-tailed)	.725	.086	.910	.270	.068	.346	.646
		N	158	158	158	158	157	157	157
AS		Correlation Coefficient	-.176*	-.180*	-.118	-.131	-.042	-.021	-.024
		Sig. (2-tailed)	.027	.023	.141	.100	.603	.792	.762
		N	158	158	158	158	157	157	157
CO		Correlation Coefficient	-.010	-.041	-.005	-.060	-.079	-.077	-.093
		Sig. (2-tailed)	.898	.608	.953	.451	.326	.336	.247
		N	158	158	158	158	157	157	157
V		Correlation Coefficient	.158*	.105	.134	.038	-.030	-.064	-.027
		Sig. (2-tailed)	.047	.188	.093	.638	.710	.429	.734
		N	158	158	158	158	157	157	157
AL		Correlation Coefficient	.384**	.144	.407**	.293**	.169*	.095	.077
		Sig. (2-tailed)	.000	.071	.000	.000	.035	.238	.340
		N	158	158	158	158	157	157	157
CU		Correlation Coefficient	-.168*	-.130	-.173*	-.150	-.217**	-.251**	-.210**
		Sig. (2-tailed)	.035	.103	.030	.059	.006	.002	.008
		N	158	158	158	158	157	157	157

** Correlation is significant at the .01 level (2-tailed).

* Correlation is significant at the .05 level (2-tailed).

Correlations

			MA.N	MA.NCR	MA.NPO	MA.SF	ME.N	ME.NNE	ME.SF	ME.SG
Spearman's rho	CASALHO	Correlation Coefficient	.114	-.022	.146	.006	.091	.070	-.021	-.021
		Sig. (2-tailed)	.154	.784	.067	.935	.256	.385	.797	.799
		N	158	158	158	158	157	157	157	157
AREIA	Correlation Coefficient	-.026	.021	.045	-.037	-.118	-.063	-.062	-.101	
	Sig. (2-tailed)	.745	.792	.572	.646	.140	.436	.441	.209	
	N	158	158	158	158	157	157	157	157	
SILTE	Correlation Coefficient	-.107	-.224**	-.013	-.178*	-.106	-.097	-.165*	-.181*	
	Sig. (2-tailed)	.182	.005	.876	.025	.188	.225	.039	.023	
	N	158	158	158	158	157	157	157	157	
ARGILA	Correlation Coefficient	.084	.151	-.032	.147	.098	.058	.085	.149	
	Sig. (2-tailed)	.293	.058	.691	.066	.220	.469	.288	.062	
	N	158	158	158	158	157	157	157	157	
MD	Correlation Coefficient	.066	.129	-.036	.122	.097	.061	.082	.150	
	Sig. (2-tailed)	.407	.106	.656	.127	.229	.450	.308	.062	
	N	158	158	158	158	157	157	157	157	
MZ	Correlation Coefficient	.076	.110	-.033	.128	.079	.051	.081	.127	
	Sig. (2-tailed)	.341	.169	.684	.109	.325	.527	.315	.114	
	N	158	158	158	158	157	157	157	157	
SD	Correlation Coefficient	.013	-.020	.107	-.067	-.088	-.043	-.092	-.123	
	Sig. (2-tailed)	.874	.799	.180	.400	.273	.595	.251	.123	
	N	158	158	158	158	157	157	157	157	
SK	Correlation Coefficient	-.048	-.115	.048	-.093	-.059	-.036	-.059	-.125	
	Sig. (2-tailed)	.553	.151	.551	.246	.463	.655	.462	.118	
	N	158	158	158	158	157	157	157	157	
TOC	Correlation Coefficient	.082	.089	-.007	.050	.035	-.006	-.013	.038	
	Sig. (2-tailed)	.304	.267	.932	.535	.665	.942	.867	.636	
	N	158	158	158	158	157	157	157	157	
CAOLINIT	Correlation Coefficient	-.116	-.148	-.077	-.079	-.138	-.124	-.109	-.183*	
	Sig. (2-tailed)	.148	.063	.336	.325	.085	.121	.174	.021	
	N	158	158	158	158	157	157	157	157	
ESMECTIT	Correlation Coefficient	.035	.111	.003	.009	.090	.122	.113	.174*	
	Sig. (2-tailed)	.662	.165	.971	.907	.263	.128	.160	.029	
	N	158	158	158	158	157	157	157	157	
GIBBSITA	Correlation Coefficient	.173*	-.056	.205**	.198*	-.042	-.127	-.050	-.085	
	Sig. (2-tailed)	.030	.484	.010	.013	.603	.113	.536	.291	
	N	158	158	158	158	157	157	157	157	
ILITA	Correlation Coefficient	.135	-.051	.143	.075	-.008	-.090	-.131	-.117	
	Sig. (2-tailed)	.090	.522	.073	.347	.924	.263	.103	.145	
	N	158	158	158	158	157	157	157	157	

** . Correlation is significant at the .01 level (2-tailed).

* . Correlation is significant at the .05 level (2-tailed).

Correlations

		MA.N	MA.NCR	MA.NPO	MA.SF	ME.N	ME.NNE	ME.SF	ME.SG	
Spearman's rho	SOM_AROM	Correlation Coefficient	-.266**	-.126	-.213**	-.209**	-.224**	-.122	-.103	-.206**
		Sig. (2-tailed)	.001	.113	.007	.008	.005	.127	.200	.010
		N	158	158	158	158	157	157	157	157
UCM14_20	UCM14_20	Correlation Coefficient	-.121	-.153	-.084	-.129	-.011	.009	-.060	-.079
		Sig. (2-tailed)	.131	.055	.296	.106	.895	.912	.456	.328
		N	158	158	158	158	157	157	157	157
UCM21_35	UCM21_35	Correlation Coefficient	-.294**	-.057	-.303**	-.176*	-.239**	-.117	-.141	-.196*
		Sig. (2-tailed)	.000	.476	.000	.027	.003	.144	.077	.014
		N	158	158	158	158	157	157	157	157
C14_20	C14_20	Correlation Coefficient	-.095	-.121	-.051	-.107	-.039	-.025	-.096	-.099
		Sig. (2-tailed)	.235	.129	.521	.180	.630	.753	.230	.219
		N	158	158	158	158	157	157	157	157
C21_35	C21_35	Correlation Coefficient	-.223**	-.053	-.208**	-.134	-.167*	-.095	-.146	-.203*
		Sig. (2-tailed)	.005	.506	.009	.092	.037	.238	.069	.011
		N	158	158	158	158	157	157	157	157
LIN_UCM1	LIN_UCM1	Correlation Coefficient	-.095	-.124	-.056	-.104	-.024	-.011	-.080	-.085
		Sig. (2-tailed)	.235	.119	.488	.195	.761	.895	.319	.290
		N	158	158	158	158	157	157	157	157
LIN_UCM2	LIN_UCM2	Correlation Coefficient	-.263**	-.055	-.259**	-.154	-.197*	-.102	-.164*	-.210**
		Sig. (2-tailed)	.001	.496	.001	.053	.013	.204	.041	.008
		N	158	158	158	158	157	157	157	157
TPH	TPH	Correlation Coefficient	-.198*	-.165*	-.160*	-.193*	-.092	-.052	-.115	-.147
		Sig. (2-tailed)	.013	.038	.044	.015	.253	.520	.152	.066
		N	158	158	158	158	157	157	157	157

** . Correlation is significant at the .01 level (2-tailed).

* . Correlation is significant at the .05 level (2-tailed).

Correlations

			A1	B1	A2	B2
Spearman's rho	CR	Correlation Coefficient	-.107	-.072	-.095	-.122
		Sig. (2-tailed)	.184	.371	.235	.127
		N	157	157	157	157
	NI	Correlation Coefficient	.022	.025	-.035	.006
		Sig. (2-tailed)	.780	.760	.660	.936
		N	157	157	157	157
	MN	Correlation Coefficient	.018	-.005	.135	.012
		Sig. (2-tailed)	.827	.955	.093	.880
		N	157	157	157	157
	PB	Correlation Coefficient	.032	.062	.047	.061
		Sig. (2-tailed)	.687	.442	.556	.448
		N	157	157	157	157
	CD	Correlation Coefficient	-.049	-.115	-.160*	-.137
		Sig. (2-tailed)	.542	.152	.046	.086
		N	157	157	157	157
	ZN	Correlation Coefficient	.189*	.079	.107	.106
		Sig. (2-tailed)	.018	.324	.184	.186
		N	157	157	157	157
	FE	Correlation Coefficient	-.084	.004	-.089	-.082
		Sig. (2-tailed)	.295	.965	.269	.308
		N	157	157	157	157
	AS	Correlation Coefficient	-.086	.067	.007	.027
		Sig. (2-tailed)	.286	.407	.933	.735
		N	157	157	157	157
	CO	Correlation Coefficient	-.132	-.020	-.073	.031
		Sig. (2-tailed)	.100	.801	.363	.702
		N	157	157	157	157
	V	Correlation Coefficient	-.083	-.014	-.007	-.002
		Sig. (2-tailed)	.302	.865	.931	.983
		N	157	157	157	157
	AL	Correlation Coefficient	.015	.072	.220**	.032
		Sig. (2-tailed)	.850	.369	.006	.694
		N	157	157	157	157
	CU	Correlation Coefficient	-.263**	-.162*	-.244**	-.182*
		Sig. (2-tailed)	.001	.043	.002	.022
		N	157	157	157	157

*. Correlation is significant at the .05 level (2-tailed).

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			A1	B1	A2	B2
Spearman's rho	CASCALHO	Correlation Coefficient	.061	.092	-.056	-.024
		Sig. (2-tailed)	.451	.253	.488	.763
		N	157	157	157	157
AREIA	AREIA	Correlation Coefficient	-.020	-.033	-.108	-.123
		Sig. (2-tailed)	.806	.685	.177	.124
		N	157	157	157	157
SILTE	SILTE	Correlation Coefficient	-.098	-.040	-.081	-.165*
		Sig. (2-tailed)	.223	.618	.313	.039
		N	157	157	157	157
ARGILA	ARGILA	Correlation Coefficient	.037	.008	.095	.190*
		Sig. (2-tailed)	.645	.923	.237	.017
		N	157	157	157	157
MD	MD	Correlation Coefficient	.032	.005	.089	.204*
		Sig. (2-tailed)	.688	.955	.266	.010
		N	157	157	157	157
MZ	MZ	Correlation Coefficient	.032	-.017	.100	.173*
		Sig. (2-tailed)	.695	.828	.211	.030
		N	157	157	157	157
SD	SD	Correlation Coefficient	-.037	.042	-.114	-.134
		Sig. (2-tailed)	.644	.600	.156	.093
		N	157	157	157	157
SK	SK	Correlation Coefficient	-.008	-.009	-.046	-.161*
		Sig. (2-tailed)	.919	.913	.567	.043
		N	157	157	157	157
TOC	TOC	Correlation Coefficient	-.037	.059	.033	.138
		Sig. (2-tailed)	.647	.464	.685	.086
		N	157	157	157	157
CAOLINIT	CAOLINIT	Correlation Coefficient	-.125	-.128	-.075	-.072
		Sig. (2-tailed)	.118	.110	.348	.372
		N	157	157	157	157
ESMECTIT	ESMECTIT	Correlation Coefficient	.144	.127	.061	.040
		Sig. (2-tailed)	.071	.114	.452	.616
		N	157	157	157	157
GIBBSITA	GIBBSITA	Correlation Coefficient	-.153	-.184*	-.002	-.033
		Sig. (2-tailed)	.056	.021	.981	.678
		N	157	157	157	157
ILITA	ILITA	Correlation Coefficient	-.141	-.042	-.076	-.074
		Sig. (2-tailed)	.079	.602	.343	.359
		N	157	157	157	157

*. Correlation is significant at the .05 level (2-tailed).

Correlations

			A1	B1	A2	B2
Spearman's rho	SOM_AROM	Correlation Coefficient	-.084	-.053	-.171*	-.026
		Sig. (2-tailed)	.294	.511	.032	.747
		N	157	157	157	157
	UCM14_20	Correlation Coefficient	-.044	.071	-.122	-.060
		Sig. (2-tailed)	.588	.380	.128	.458
		N	157	157	157	157
	UCM21_35	Correlation Coefficient	-.072	-.014	-.228**	-.111
		Sig. (2-tailed)	.369	.857	.004	.165
		N	157	157	157	157
	C14_20	Correlation Coefficient	-.072	.048	-.136	-.060
		Sig. (2-tailed)	.370	.553	.088	.456
		N	157	157	157	157
	C21_35	Correlation Coefficient	-.080	.030	-.175*	-.098
		Sig. (2-tailed)	.319	.713	.028	.222
		N	157	157	157	157
	LIN_UCM1	Correlation Coefficient	-.061	.058	-.132	-.064
		Sig. (2-tailed)	.445	.468	.100	.427
		N	157	157	157	157
	LIN_UCM2	Correlation Coefficient	-.079	.018	-.203*	-.101
		Sig. (2-tailed)	.323	.821	.011	.207
		N	157	157	157	157
	TPH	Correlation Coefficient	-.099	.088	-.189*	-.072
		Sig. (2-tailed)	.216	.274	.018	.367
		N	157	157	157	157

*. Correlation is significant at the .05 level (2-tailed).

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			VA_CAR	VA_DET	SED_CAR	SED_DET	SED_FILT
Spearman's rho	CR	Correlation Coefficient	-.167*	-.129	.012	.073	.005
		Sig. (2-tailed)	.036	.107	.880	.362	.955
		N	158	158	158	158	158
NI	NI	Correlation Coefficient	-.071	-.054	.031	-.210**	-.177*
		Sig. (2-tailed)	.372	.503	.699	.008	.026
		N	158	158	158	158	158
MN	MN	Correlation Coefficient	.057	.064	.035	.111	-.033
		Sig. (2-tailed)	.478	.424	.659	.163	.681
		N	158	158	158	158	158
PB	PB	Correlation Coefficient	.076	.080	-.068	.097	.036
		Sig. (2-tailed)	.340	.320	.397	.224	.656
		N	158	158	158	158	158
CD	CD	Correlation Coefficient	-.106	-.104	-.028	-.179*	-.060
		Sig. (2-tailed)	.184	.194	.727	.025	.451
		N	158	158	158	158	158
ZN	ZN	Correlation Coefficient	-.003	.011	-.042	-.119	-.201*
		Sig. (2-tailed)	.970	.886	.601	.137	.011
		N	158	158	158	158	158
FE	FE	Correlation Coefficient	-.152	-.085	.063	.021	-.110
		Sig. (2-tailed)	.056	.287	.431	.791	.171
		N	158	158	158	158	158
AS	AS	Correlation Coefficient	-.138	-.128	.063	-.077	-.083
		Sig. (2-tailed)	.085	.109	.430	.334	.299
		N	158	158	158	158	158
CO	CO	Correlation Coefficient	-.107	-.009	-.009	.023	-.033
		Sig. (2-tailed)	.181	.915	.912	.777	.685
		N	158	158	158	158	158
V	V	Correlation Coefficient	-.050	.085	.006	.242**	.039
		Sig. (2-tailed)	.531	.289	.936	.002	.623
		N	158	158	158	158	158
AL	AL	Correlation Coefficient	.182*	.237**	.014	.423**	.266**
		Sig. (2-tailed)	.022	.003	.863	.000	.001
		N	158	158	158	158	158
CU	CU	Correlation Coefficient	-.122	-.137	.004	-.100	-.091
		Sig. (2-tailed)	.127	.086	.960	.213	.255
		N	158	158	158	158	158

*. Correlation is significant at the .05 level (2-tailed).

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			VA_CAR	VA_DET	SED_CAR	SED_DET	SED_FILT
Spearman's rho	CR	Correlation Coefficient	-.167*	-.129	.012	.073	.005
		Sig. (2-tailed)	.036	.107	.880	.362	.955
		N	158	158	158	158	158
NI	NI	Correlation Coefficient	-.071	-.054	.031	-.210**	-.177*
		Sig. (2-tailed)	.372	.503	.699	.008	.026
		N	158	158	158	158	158
MN	MN	Correlation Coefficient	.057	.064	.035	.111	-.033
		Sig. (2-tailed)	.478	.424	.659	.163	.681
		N	158	158	158	158	158
PB	PB	Correlation Coefficient	.076	.080	-.068	.097	.036
		Sig. (2-tailed)	.340	.320	.397	.224	.656
		N	158	158	158	158	158
CD	CD	Correlation Coefficient	-.106	-.104	-.028	-.179*	-.060
		Sig. (2-tailed)	.184	.194	.727	.025	.451
		N	158	158	158	158	158
ZN	ZN	Correlation Coefficient	-.003	.011	-.042	-.119	-.201*
		Sig. (2-tailed)	.970	.886	.601	.137	.011
		N	158	158	158	158	158
FE	FE	Correlation Coefficient	-.152	-.085	.063	.021	-.110
		Sig. (2-tailed)	.056	.287	.431	.791	.171
		N	158	158	158	158	158
AS	AS	Correlation Coefficient	-.138	-.128	.063	-.077	-.083
		Sig. (2-tailed)	.085	.109	.430	.334	.299
		N	158	158	158	158	158
CO	CO	Correlation Coefficient	-.107	-.009	-.009	.023	-.033
		Sig. (2-tailed)	.181	.915	.912	.777	.685
		N	158	158	158	158	158
V	V	Correlation Coefficient	-.050	.085	.006	.242**	.039
		Sig. (2-tailed)	.531	.289	.936	.002	.623
		N	158	158	158	158	158
AL	AL	Correlation Coefficient	.182*	.237**	.014	.423**	.266**
		Sig. (2-tailed)	.022	.003	.863	.000	.001
		N	158	158	158	158	158
CU	CU	Correlation Coefficient	-.122	-.137	.004	-.100	-.091
		Sig. (2-tailed)	.127	.086	.960	.213	.255
		N	158	158	158	158	158

*. Correlation is significant at the .05 level (2-tailed).

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			VA_CAR	VA_DET	SED_CAR	SED_DET	SED_FILTER
Spearman's rho	SOM_AROM	Correlation Coefficient	-.113	-.178*	.028	-.289**	-.239**
		Sig. (2-tailed)	.158	.025	.727	.000	.003
		N	158	158	158	158	158
UCM14_20	UCM14_20	Correlation Coefficient	-.094	-.145	-.136	-.172*	.122
		Sig. (2-tailed)	.243	.068	.088	.031	.126
		N	158	158	158	158	158
UCM21_35	UCM21_35	Correlation Coefficient	-.054	-.143	-.123	-.391**	-.240**
		Sig. (2-tailed)	.503	.074	.123	.000	.002
		N	158	158	158	158	158
C14_20	C14_20	Correlation Coefficient	-.100	-.123	-.137	-.102	.088
		Sig. (2-tailed)	.210	.123	.085	.203	.274
		N	158	158	158	158	158
C21_35	C21_35	Correlation Coefficient	-.075	-.097	-.083	-.270**	-.150
		Sig. (2-tailed)	.350	.227	.301	.001	.061
		N	158	158	158	158	158
LIN_UCM1	LIN_UCM1	Correlation Coefficient	-.093	-.121	-.139	-.124	.111
		Sig. (2-tailed)	.244	.131	.081	.120	.166
		N	158	158	158	158	158
LIN_UCM2	LIN_UCM2	Correlation Coefficient	-.079	-.117	-.111	-.334**	-.188*
		Sig. (2-tailed)	.326	.143	.164	.000	.018
		N	158	158	158	158	158
TPH	TPH	Correlation Coefficient	-.134	-.187*	-.163*	-.245**	.015
		Sig. (2-tailed)	.093	.019	.041	.002	.855
		N	158	158	158	158	158

*. Correlation is significant at the .05 level (2-tailed).

**. Correlation is significant at the .01 level (2-tailed).