

Predictor Variable Descriptive Statistics

Elise Hellwig

8/21/2018

Numeric Variables

	Min Elevation		Max Elevation		Min Slope		Max Slope		Mean Slope	
	Abs.	Pres.	Abs.	Pres.	Abs.	Pres.	Abs.	Pres.	Abs.	Pres.
Min	852	1489	616	1193	0.000	0.039	0.000	0.000	0.000	0.023
1st Q	1426	1787	1208	1609	0.291	0.321	0.008	0.005	0.105	0.080
Median	1682	1925	1491	1751	0.493	0.447	0.024	0.014	0.185	0.128
Mean	1650	1918	1484	1761	0.479	0.440	0.043	0.022	0.202	0.146
3rd Q	1879	2041	1720	1936	0.666	0.564	0.055	0.033	0.279	0.205
Max	2619	2403	2486	2239	1.346	0.930	0.530	0.138	0.766	0.329

	Reach Length		Stream Order		Total Drainage Area		Div. Drainage Area	
	Abs.	Pres.	Abs.	Pres.	Abs.	Pres.	Abs.	Pres.
Min	0.002	0.091	1	1	0.000	0.000	0.000	0.000
1st Q	0.646	1.505	1	1	1.843	3.734	1.798	3.713
Median	1.449	2.000	1	1	4.352	8.234	4.120	7.855
Mean	1.665	2.576	2	2	83.305	16.031	80.805	13.890
3rd Q	2.255	3.284	2	2	18.856	20.866	16.755	19.726
Max	13.723	11.890	5	4	2327.521	162.899	2327.521	140.188

	Latitude		Longitude	
	Abs.	Pres.	Abs.	Pres.
Min	39.30	39.33	-121.56	-121.46
1st Q	39.60	39.48	-120.96	-120.79
Median	39.85	39.77	-120.77	-120.60
Mean	39.81	39.81	-120.78	-120.64
3rd Q	40.01	40.19	-120.57	-120.38
Max	40.30	40.28	-120.04	-120.08

Bioclim Variables

Variable	Description
Bio1	Annual Mean Temperature
Bio2	Mean Diurnal Range (Mean of monthly (max temp - min temp))
Bio3	Isothermality (Bio2/Bio7) (* 100)
Bio4	Temperature Seasonality (standard deviation *100)
Bio5	Max Temperature of Warmest Month
Bio6	Min Temperature of Coldest Month
Bio7	Temperature Annual Range (Bio5-Bio6)
Bio8	Mean Temperature of Wettest Quarter
Bio9	Mean Temperature of Driest Quarter
Bio10	Mean Temperature of Warmest Quarter
Bio11	Mean Temperature of Coldest Quarter
Bio12	Annual Precipitation
Bio13	Precipitation of Wettest Month
Bio14	Precipitation of Driest Month
Bio15	Precipitation Seasonality (Coefficient of Variation)
Bio16	Precipitation of Wettest Quarter
Bio17	Precipitation of Driest Quarter
Bio18	Precipitation of Warmest Quarter
Bio19	Precipitation of Coldest Quarter

	Bio1		Bio2		Bio3		Bio4		Bio5		Bio6	
	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres
Min	31.3	44.0	128.7	137.6	42.7	43.0	5858.0	6053.7	211.3	231.0	-112.0	-107.5
1st Q	65.0	55.9	143.6	142.6	44.0	44.0	6164.3	6240.1	262.3	252.0	-80.5	-92.1
Median	77.0	61.8	153.7	153.2	45.0	44.0	6294.0	6401.8	276.0	260.0	-59.3	-82.4
Mean	77.9	62.4	155.2	152.8	45.4	44.4	6358.5	6451.6	277.0	261.0	-60.9	-79.5
3rd Q	91.0	69.9	165.3	161.0	46.0	44.8	6556.4	6695.4	289.5	271.8	-47.3	-66.2
Max	119.3	87.6	194.0	184.5	51.0	47.0	6890.0	6841.5	330.0	293.0	-11.0	-44.0

	Bio7		Bio8		Bio9		Bio10		Bio11		Bio12	
	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres
Min	293.0	310.8	-23.3	-22.8	113.3	127.0	115.7	129.0	-35.7	-27.5	482.3	515.6
1st Q	317.8	319.5	-5.0	-16.9	150.0	141.3	150.7	141.9	-13.0	-22.0	844.3	651.7
Median	336.0	338.8	7.6	-10.0	160.2	146.6	161.0	147.6	3.0	-17.6	1068.0	986.6
Mean	337.9	340.5	7.8	-7.9	161.6	147.2	162.1	148.0	3.1	-13.4	1061.5	935.0
3rd Q	359.0	359.2	18.7	1.1	174.0	152.6	174.3	153.6	17.0	-4.6	1234.0	1167.1
Max	395.0	388.5	51.0	20.0	200.7	170.6	200.7	170.6	47.3	13.5	1754.0	1352.5

	Bio13		Bio14		Bio15		Bio16		Bio17		Bio18		Bio19	
	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres	Abs	Pres
Min	75.7	79.8	2.0	5.0	54.0	54.6	206.7	218.2	18.0	35.3	18.0	35.3	204.3	216.2
1st Q	146.0	103.4	5.5	8.0	69.1	64.2	398.3	287.5	37.0	43.9	38.5	46.2	396.0	283.1
Median	194.0	165.4	7.0	10.0	74.1	69.5	525.0	454.0	42.0	47.8	44.0	50.0	523.3	452.2
Mean	189.9	160.2	7.4	9.4	72.6	68.2	515.3	439.2	42.2	47.6	44.3	49.8	513.1	436.7
3rd Q	223.3	203.6	9.0	11.0	77.0	72.7	607.0	556.1	47.0	51.1	50.0	54.2	603.0	552.8
Max	323.0	240.1	14.3	12.7	84.0	77.9	878.2	657.9	65.3	59.0	67.3	61.0	872.0	657.8

Categorical Variables

Categorical Variables by Count

Aspect	Absent	Present
E	322	17
N	378	9
NE	369	12
NW	439	10
S	350	9
SE	318	3
SW	374	9
W	399	7

Soil Type	Absent	Present
Alfisols	798	17
Andisols	20	0
Disturbed	3	1
Entisols	292	16
Inceptisols	1314	35
Mollisols	413	6
NoSoil	24	0
Ultisols	85	1

Habitat Type	Absent	Present
CON	2301	59
HDW	62	4
HRB	152	0
MIX	207	3
NVG	84	1
SHB	143	9

Tree Size	Absent	Present
0	55	7
1	46	1
2	213	6
3	115	1
4	1822	52
5	491	7
6	13	0

Closure Class	Absent	Present
D	1118	9
M	1115	45
P	216	8
S	30	0
X	276	12

Perennial ?	Absent	Present
0	983	19
1	1966	57

Rock Type	Absent	Present
igneous	1792	54
metamorphic	757	6
sedimentary	398	16
water	2	0

Rock Class	Absent	Present
C	3	0
Ec	17	2
gb	19	0
grMz	604	27
J	47	0
m	14	0
mv	139	4
Mzv	119	1
Pm	25	0
Pz	604	2
Pzv	198	3
Q	192	1
Qg	104	13
Qoa	9	0
Qv	11	3
SO	1	0
Ti	1	0
Tr	21	0
Tv	146	4
Tvp	550	12
um	123	4
water	2	0

Categorical Variables by Percentage

Aspect	Absent	Present
E	0.11	0.22
N	0.13	0.12
NE	0.13	0.16
NW	0.15	0.13
S	0.12	0.12
SE	0.11	0.04
SW	0.13	0.12
W	0.14	0.09

Soil Type	Absent	Present
Alfisols	0.27	0.22
Andisols	0.01	0.00
Disturbed	0.00	0.01
Entisols	0.10	0.21
Inceptisols	0.45	0.46
Mollisols	0.14	0.08
NoSoil	0.01	0.00
Ultisols	0.03	0.01

Habitat Type	Absent	Present
CON	0.78	0.78
HDW	0.02	0.05
HRB	0.05	0.00
MIX	0.07	0.04
NVG	0.03	0.01
SHB	0.05	0.12

Tree Size	Absent	Present
0	0.02	0.09
1	0.02	0.01
2	0.08	0.08
3	0.04	0.01
4	0.66	0.70
5	0.18	0.09
6	0.00	0.00

Closure Class	Absent	Present
D	0.41	0.12
M	0.40	0.61
P	0.08	0.11
S	0.01	0.00
X	0.10	0.16

Perennial ?	Absent	Present
0	0.33	0.25
1	0.67	0.75

Rock Type	Absent	Present
igneous	0.61	0.71
metamorphic	0.26	0.08
sedimentary	0.13	0.21
water	0.00	0.00

Rock Class	Absent	Present
C	0.00	0.00
Ec	0.01	0.03
gb	0.01	0.00
grMz	0.20	0.36
J	0.02	0.00
m	0.00	0.00
mv	0.05	0.05
Mzv	0.04	0.01
Pm	0.01	0.00
Pz	0.20	0.03
Pzv	0.07	0.04
Q	0.07	0.01
Qg	0.04	0.17
Qoa	0.00	0.00
Qv	0.00	0.04
SO	0.00	0.00
Ti	0.00	0.00
Tr	0.01	0.00
Tv	0.05	0.05
Tvp	0.19	0.16
um	0.04	0.05
water	0.00	0.00