

Ecología Espacial de Lagartija Espinosa Verde

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El propósito

- ▶ La distancia media recorrida
- ▶ La correlación entre la masa y ámbito de hogar

Métodos



Luego...

- ▶ Volvimos al lugar de captura
- ▶ Medimos por senderos fluorescentes
- ▶ Medimos desde el inicio de la ruta hacia la final de la ruta



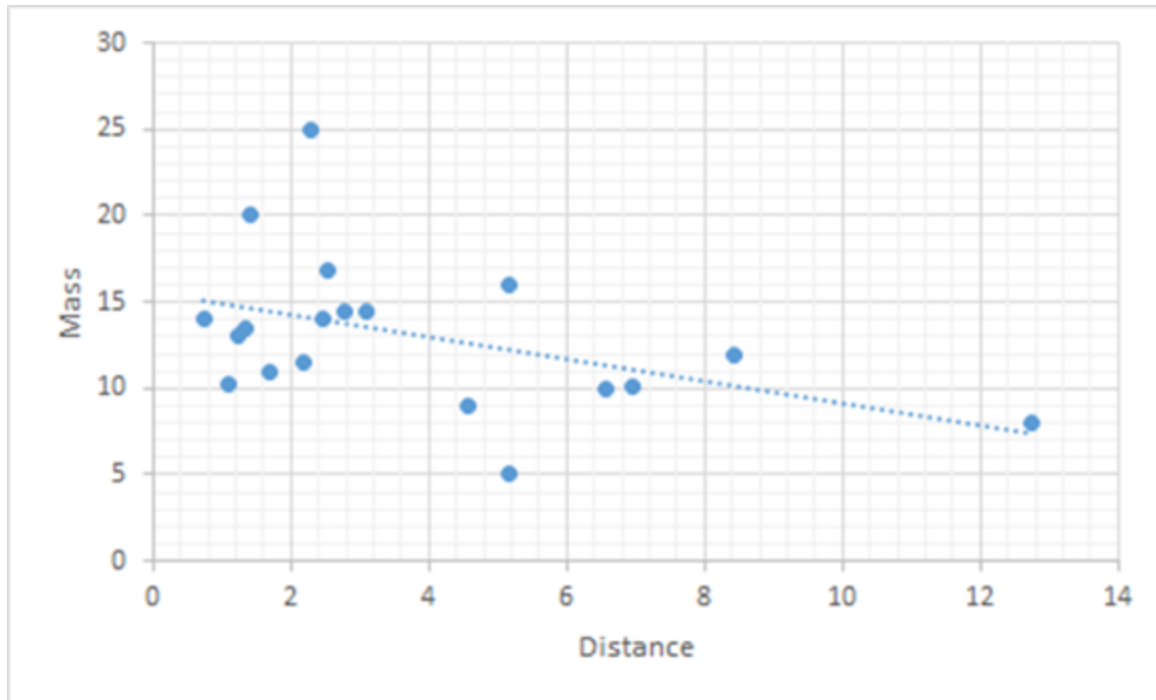
Resultados

- ▶ Capturamos 21 lagartijas y medimos cada uno
- ▶ Tienen un rango de hogar de alrededor de 3,7 m
- ▶ Ámbito de hogar masculina es unos 7 m
- ▶ Ámbito de hogar femenina es aproximadamente 3 m
- ▶ No existe una correlación entre la masa de la lagartija y su ámbito de hogar

Lizard Number	Which area	Gender	SVL (mm)	Mass (g)	Trail Distance (m)	Straight Distance (m)
1	Cerro	Female	62.5	16	7.34	5.18
2	Cerro	Female	54.3	5	2.74	1.22
3	Cerro	Female	60	13	4.35	0.73
4	Cerro	Female	68.5	8.5	No trail	No trail
5	Cerro	Female	Not taken	14	3.64	2.46
6	Cerro	Female	Not taken	25	3.76	2.27
7	Cerro	Female	63.5	20	3.3	1.41
8	QERC	Female	61.3	12	11.73	8.42
9	QERC	Female	52.7	5	39.42	None
10	QERC	Female	71.4	16.8	4.03	2.544

11	QERC	Male	70	14	No trail	No trail
12	QERC	Female	70.5	10	25	6.57
13	QERC	Female	64	9	7.55	4.55
14	QERC	Male	58.1	10.2	3.36	1.11
15	QERC	Female	66.2	11	3.33	1.68
16	QERC	Male	60.06	10.1	13.41	6.95
17	QERC	Female	73	11.5	4.14	2.17
18	Cerro	Female	71	13.5	6.93	1.35
19	Cerro	Female	70.3	14.5	3.68	2.78
20	Cerro	Female	76.2	14.5	3.31	3.1
21	Cerro	Male	55.5	8	13.45	12.75

Statistical Results:	SVL (mm)	Mass (g)	Trail Distance	Straight Distance
Average	64.68736842	12.45714286	8.656315789	3.735777778
Average Female	65.69333333	12.9	8.390625	3.0956
Average Male	60.915	10.575	10.07333333	6.936666667
Standard Deviation	6.64041283	4.570877943	9.053709452	3.08096932
Standard Deviation Female	5.737768161	4.769142714	9.626350859	2.101319357
Standard Deviation Male	5.488959373	2.163764081	4.747071612	4.752019454



Lizard Number	Gender	Time of Capture	Hours of Travel	Trail Distance (m)	Hourly Distance (m/h)
1	Female	11:05	6.92	7.34	1.06
2	Female	10:00	8	2.74	0.34
3	Female	10:20	7.67	4.35	0.57
4	Female	11:18	6.7	No trail	N/A
5	Female	10:05	7.92	3.64	0.46
6	Female	10:10	7.83	3.76	0.48
7	Female	10:30	7.5	3.3	0.44
8	Female	10:40	7.33	11.73	1.60
9	Female	11:45	6.25	39.42	6.31
10	Female	10:27	7.55	4.03	0.53
11	Male	11:12	6.8	No trail	N/A
12	Female	10:18	7.7	25	3.25
13	Female	11:36	6.4	7.55	1.18
14	Male	8:00	10	3.36	0.34
15	Female	8:10	9.83	3.33	0.34
16	Male	9:30	8.5	13.41	1.58
17	Female	8:40	9.33	4.14	0.44
18	Female	9:06	8.9	1.35	0.15
19	Female	9:28	8.53	3.68	0.43
20	Female	10:20	7.67	3.31	0.43
21	Male	10:29	7.52	13.45	1.79
		Average	7.85	8.362631579	1.14
		Standard Deviation	1.009007056	9.194354012	1.422451278
				Average Female	1.13
				Average Male	1.23

Problemas

- ▶ Radio telemetría
- ▶ Los senderos fueron lavaron
- ▶ Necesita un tamaño de la muestra más grande