

Movement paths

Utilization Distributions

$1/v \times UD$ product

SD product

Force of infection

Location history

Lagged correlation

$\int \text{Corr} \times \exp(-v\tau) d\tau$

Locations (grid cells) x

Locations (grid cells) x

Times t

0	0	...	1
0	1	...	0
1	0	...	0
...
0	0	...	1

0	0	...	1
0	0	...	1
0	1	...	0
...
0	1	...	0

Lags τ

-0.05	0	...	0.9
-0.03	0.2	...	0.5
-0.01	0.1	...	0
...
0	0	...	-0.01

