

Parrish Waters Project (Fall 2016)

Parrish Waters (rwaters)

Create a way to map mice/rat on a grid and show paths that were taken of 1 – 8 mice over a period of time. Would want heat map of where they stay the longest.

This one involves excel, and extrapolating X-Y position from a grid of 'readers'.

The project would read in a series of excel files and then plot the data based on a set of totals. There is a grid that is shown in the below screenshot of where the mice can possibly go. He would like to do a line drawing of the where the mice go based on a time selection. He would like to choose which mice to display. In addition he would then like to use a heat map to display how long a mouse stays in a specific location.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	414,846,316,327,083	414,846,318,767,014	417692367	unknown	R1.6	546	<p>The major objective of this project will be to use these time/location stamps to make a 2D spatial map of each individual's position (absolute and relative) in the arena. There will be 5 individuals per dataset. I will be at UMW next week if you want to get together and discuss this anymore.</p>					
2	414,846,318,685,648	04176902D3	unknown	R3.4	1281							
3	414,846,318,882,639	417690706	unknown	R2.1	593							
4	414,846,319,016,204	417692640	unknown	R1.7	0							
5	414,846,319,082,986	0417692588	unknown	R3.5	0							
6	414,846,318,812,269	041768F885	unknown	R1.5	2433							
7	414,846,319,113,773	417690706	unknown	R2.2	0							
8	414,846,318,942,245	0417692588	unknown	R4.1	1872							
9	414,846,318,669,213	417691714	unknown	R4.3	5479							
10	414,846,319,364,699	0417691864	unknown	R3.7	0							
11	414,846,319,374,653	041768F885	unknown	R1.5	0							
12	414,846,319,364,236	0417692588	unknown	R4.1	590							
13	414,846,319,443,403	417691714	unknown	R4.3	640							
14	414,846,319,528,241	0417692588	unknown	R4.2	0							
15	414,846,319,535,417	417690706	unknown	R2.2	640							
16	41,484,631,964,919	041768F885	unknown	R1.5	0							
17	414,846,319,437,963	417692640	unknown	R1.7	2418							
18	414,846,319,367,014	417690706	unknown	R2.1	3093							
19	414,846,319,750,347	417690706	unknown	R2.2	0							
20	414,846,319,602,315	041768F42A	unknown	R1.4	1279							
21	414,846,319,858,681	417692640	unknown	R1.7	0							
22	414,846,319,882,176	0417692588	unknown	R3.6	0							
23	414,846,319,927,315	0417691864	unknown	R3.7	0							
24	414,846,319,930,903	041768F885	unknown	R1.3	0							
25	414,846,319,801,042	041768F885	unknown	R1.5	1184							
26	414,846,319,952,546	0417692588	unknown	R3.2	0							
27	414,846,319,957,986	417690706	unknown	R2.2	0							
28	414,846,319,883,912	041768F42A	unknown	R1.4	671							
29	414,846,319,997,685	0417692588	unknown	R3.1	0							
30	414,846,320,001,157	417692640	unknown	R1.7	0							
31	414,846,320,069,907	0417691864	unknown	R3.7	0							
32	414,846,320,069,907	0417692588	unknown	R3.5	0							

Grid of Readers			
R1.1	R2.1	R3.1	R4.1
R1.2	R2.2	R3.2	R4.2
R1.3	R2.3	R3.3	R4.3
R1.4	R2.4	R3.4	R4.4
R1.5	R2.5	R3.5	R4.5
R1.6	R2.6	R3.6	R4.6