



RATS-5 NEUROSCIENCE RESEARCH

MODELING PROPOSALS & INITIAL MODEL IMPLEMENTATION

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Our Goal

To determine whether the hippocampal neurons “replay” sequential relationships between odors

What we did

Build a logistic regression model using odor as the response and all the neurons as the predictors

Model - Odor A

	0 <int>	1 <int>
0	177	59
1	2	2

2 rows

Model - Odor B

	0 <int>	1 <int>
0	185	50
1	2	3

2 rows

Model - Odor C

	0 <int>	1 <int>
0	166	40
1	30	4
2 rows		

Model - Odor D

	0 <int>	1 <int>
0	186	27
1	11	16

2 rows

Model - Odor E

	0 <int>	1 <int>
0	171	15
1	30	24
2 rows		

Confusion Matrix for Odors A - E



Thank you!
