

Crickets Behavior Aggressiveness

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Q1: Research Question

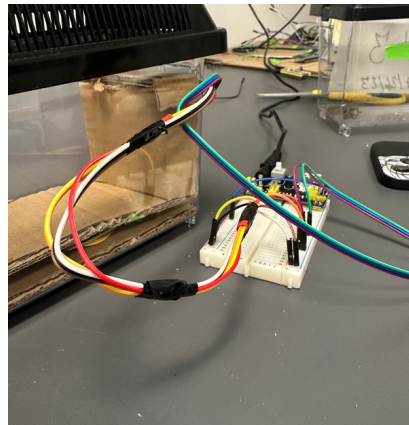
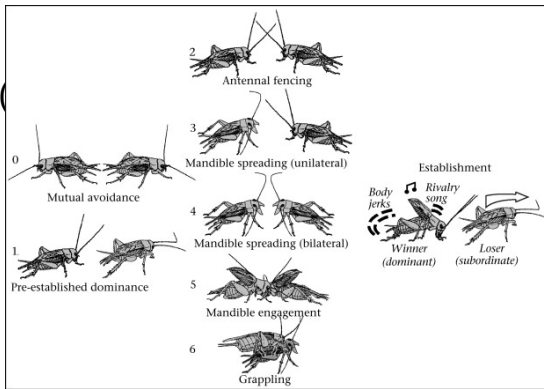
What is Relationship between Cricket Aggressiveness and Vibrations in the Male European House

Q2: Methodology

Create a machine to generate 2 different type of vibrations 3.3v - Slow mode and 5v - fast mode but first try different complicated variations that stop working for no reason

Setup Enclosure to enclosure 2 adult male European house crickets at a time for 3 mins

Check every 10s to see how the crickets react and compare their reaction to a aggressiveness chart



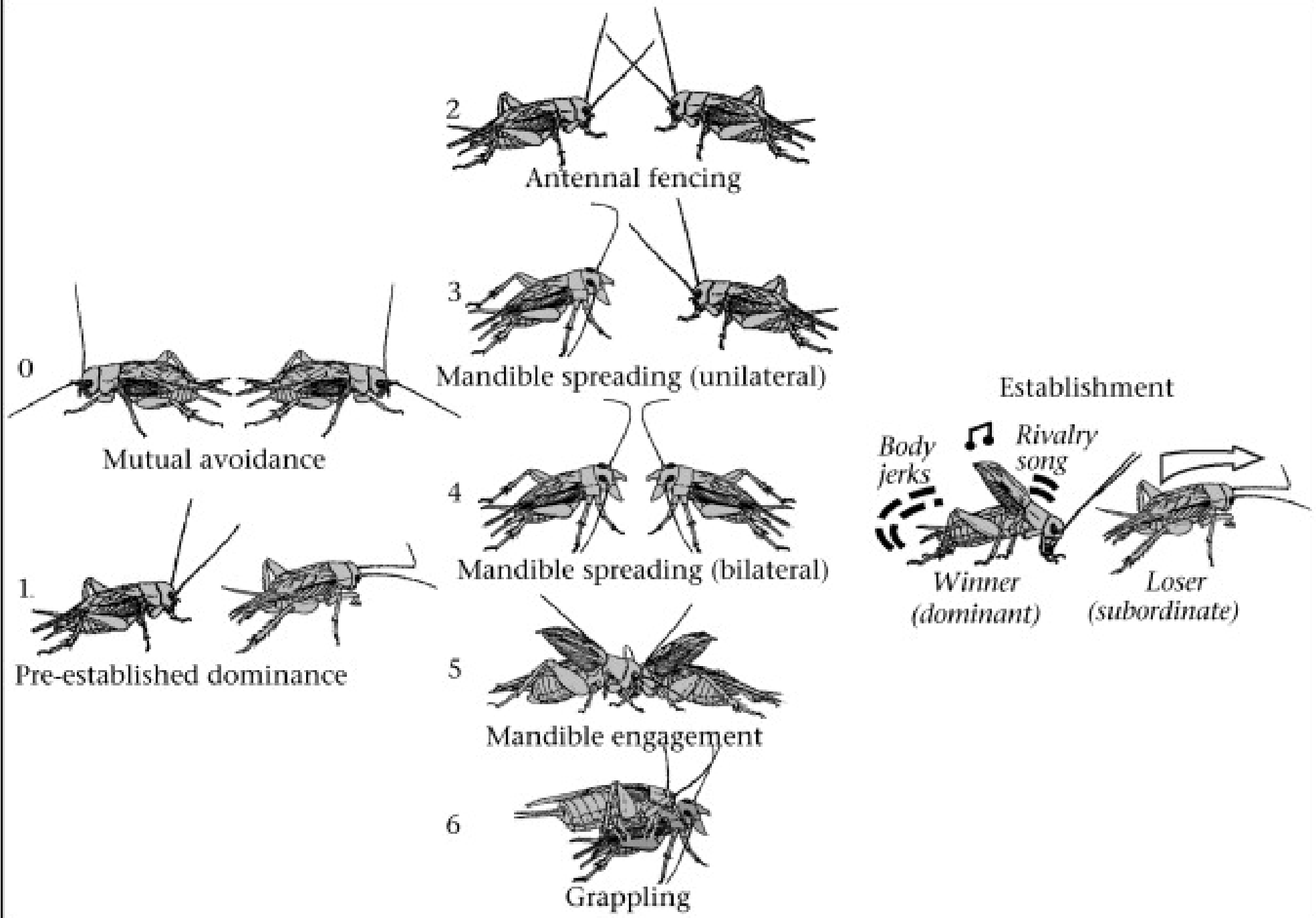
Q3: Data Analysis & Results

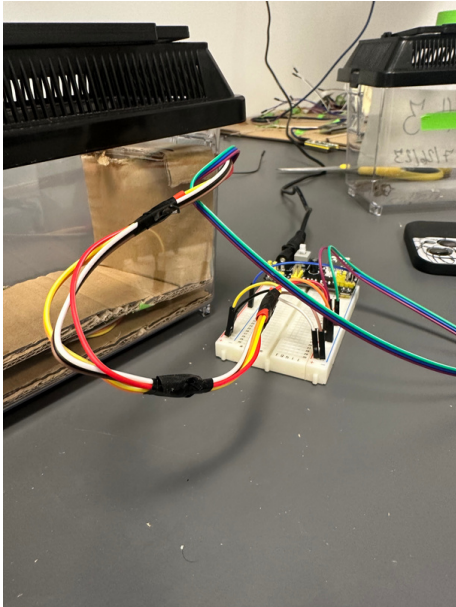
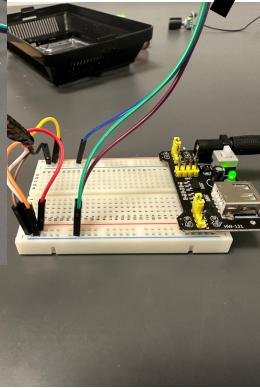
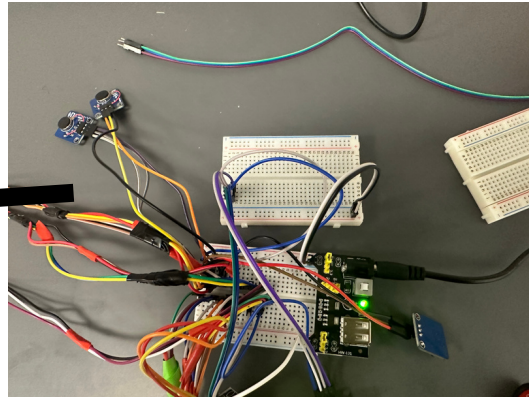
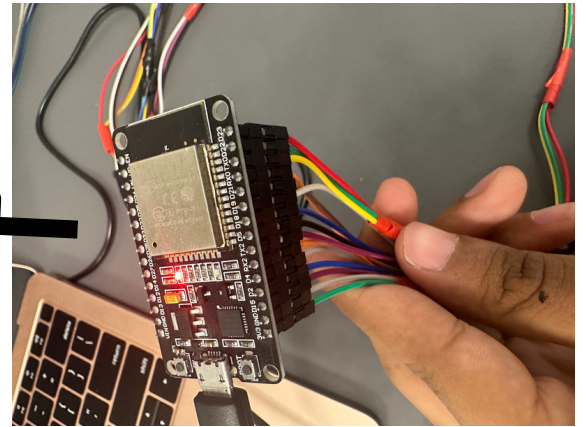
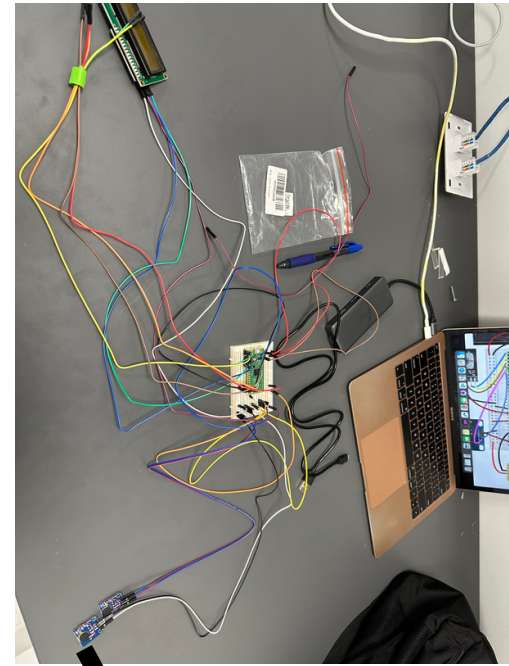
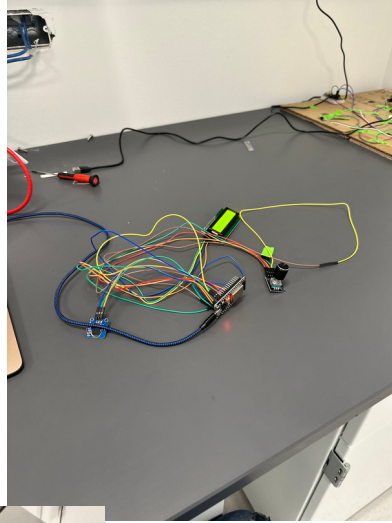
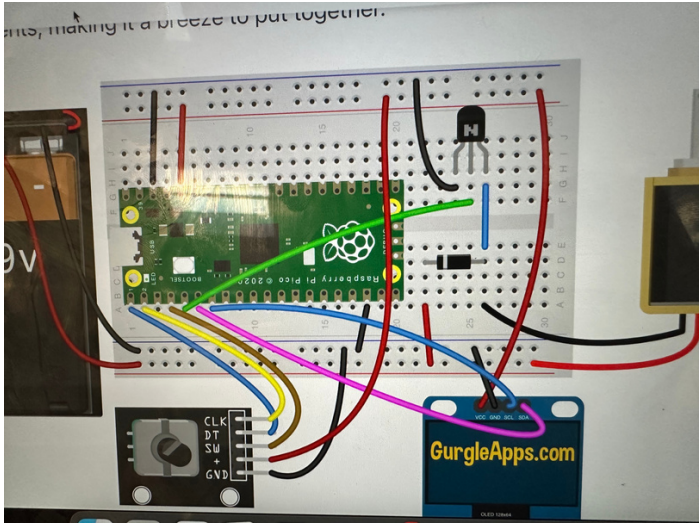
3.3v	5v
0	3
0	0
3	0
3	2
0	1
0	0
4	3
0	2
2	4
0	2
12	17
0.4720734561	

Q4: Interpretation & Conclusions

Crickets don't really seem to react to the vibrations this might be because they only react to a specific frequency

If I have the opportunity to retry my data I would do a larger amount of crickets and in different lights





3.3v - 1	5v - 1	3.3v - 2	5v - 2	3.3v 3	5v - 3	3.3v 4	5v - 4	3.3v 5	5v - 5	3.3v 6	5v - 6	3.3v 7	5v - 7	3.3v 8	5v - 8	3.3v - 9	5v - 9
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0
0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	3	0	0	3	0	3	2	0	1	0	0	4	3	0	2	2	4