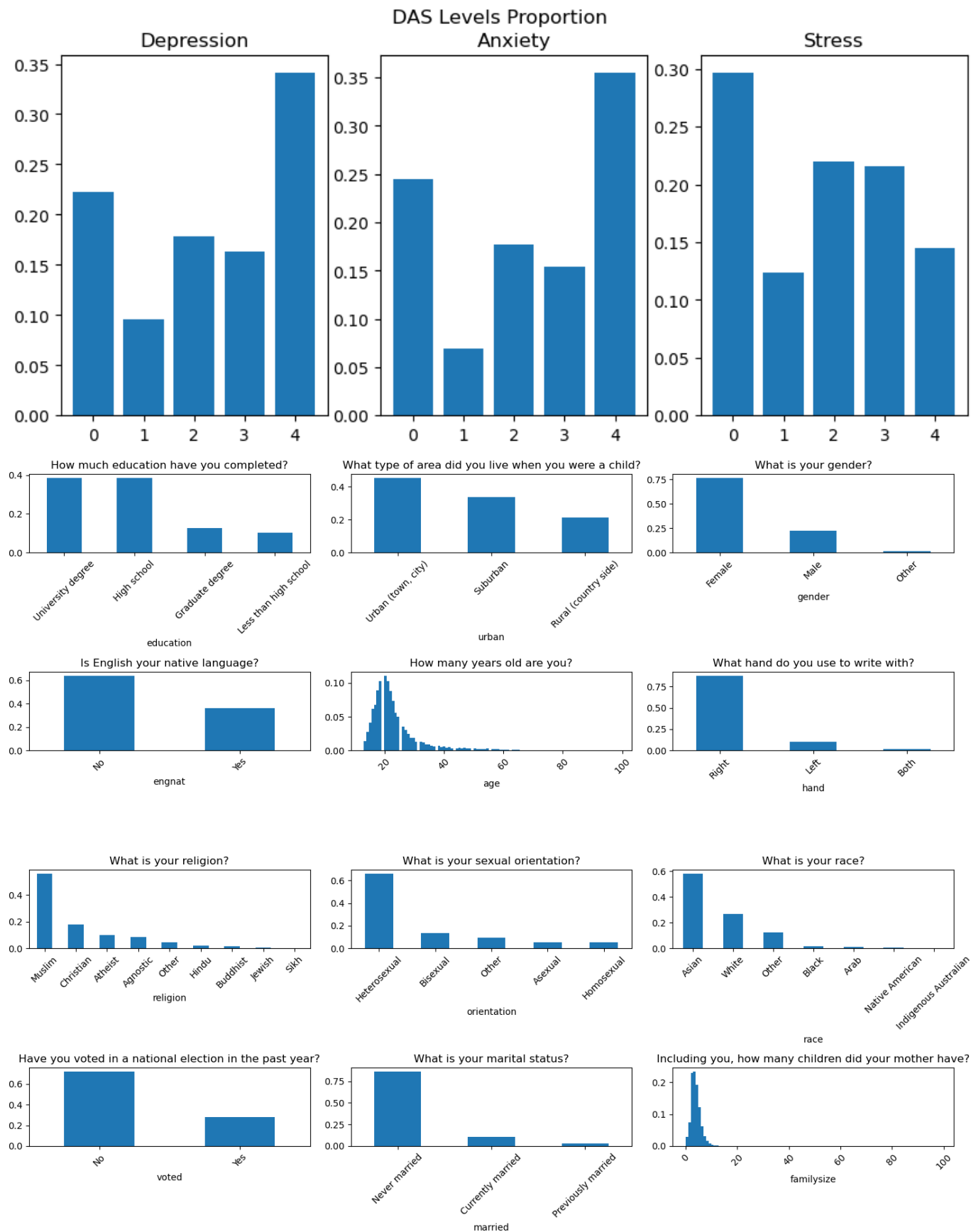
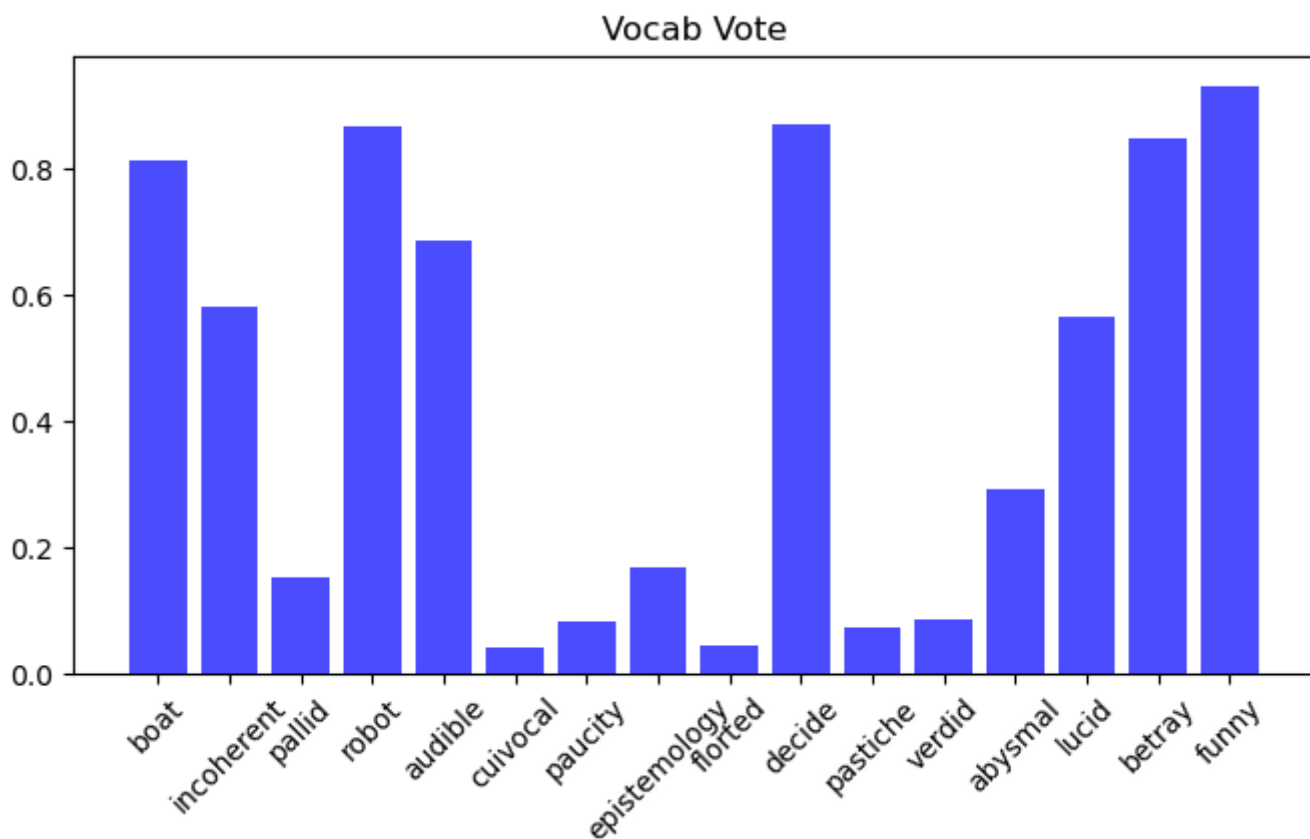
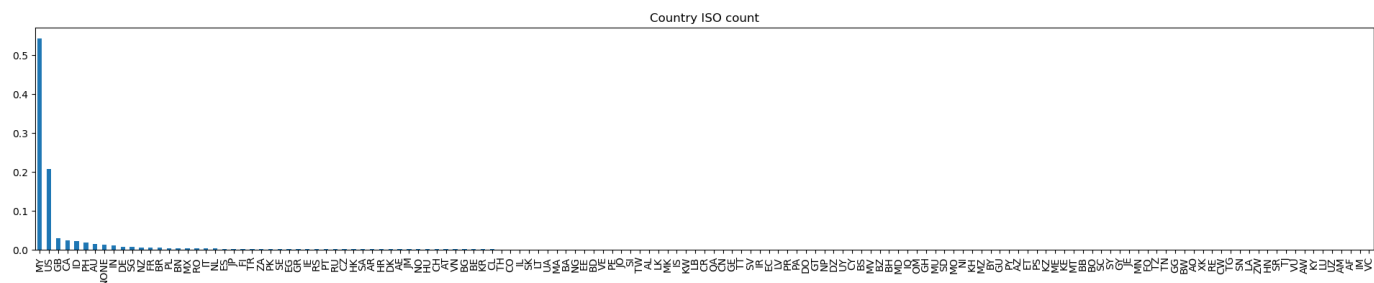
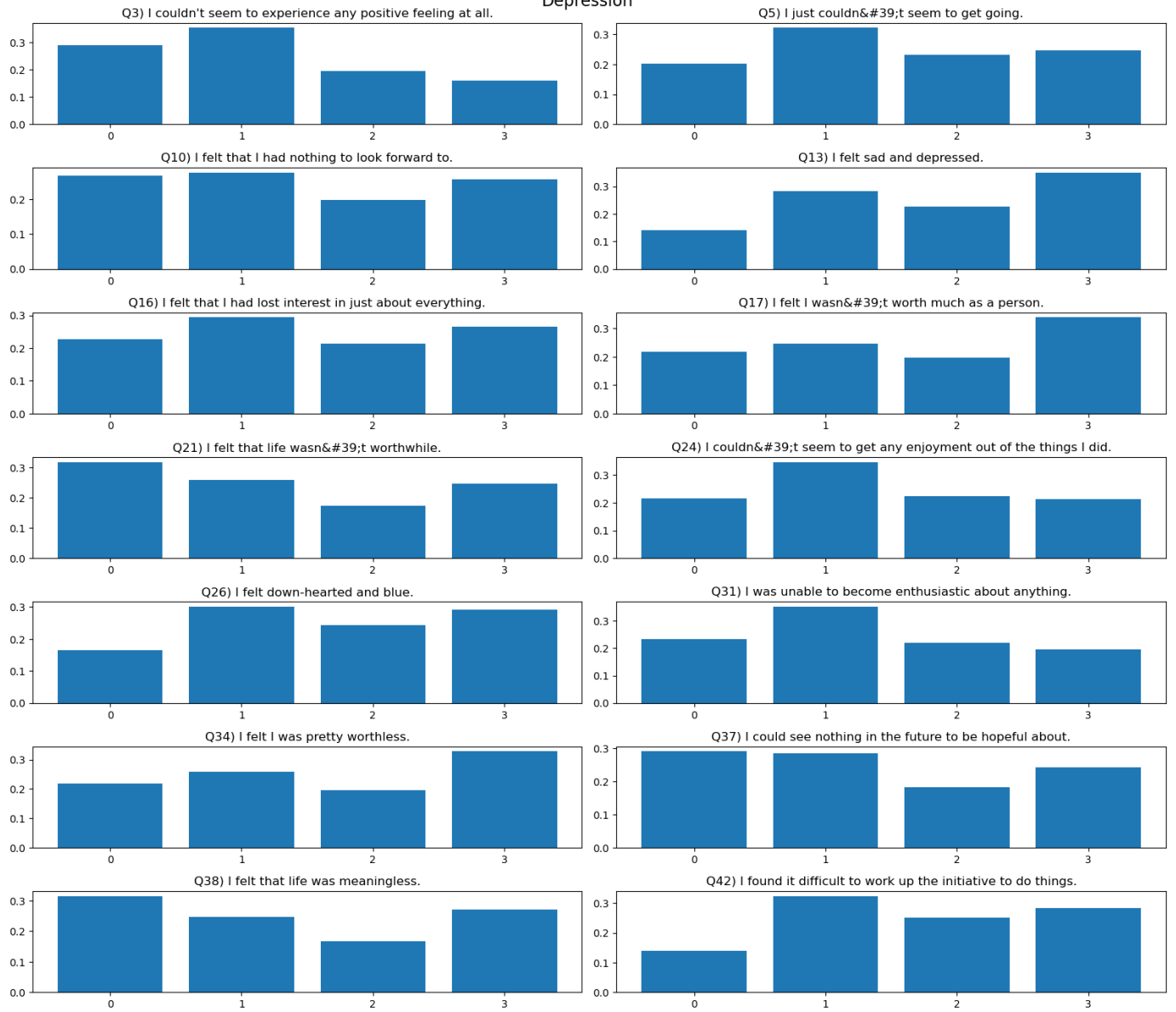


Survey Answers Analysis

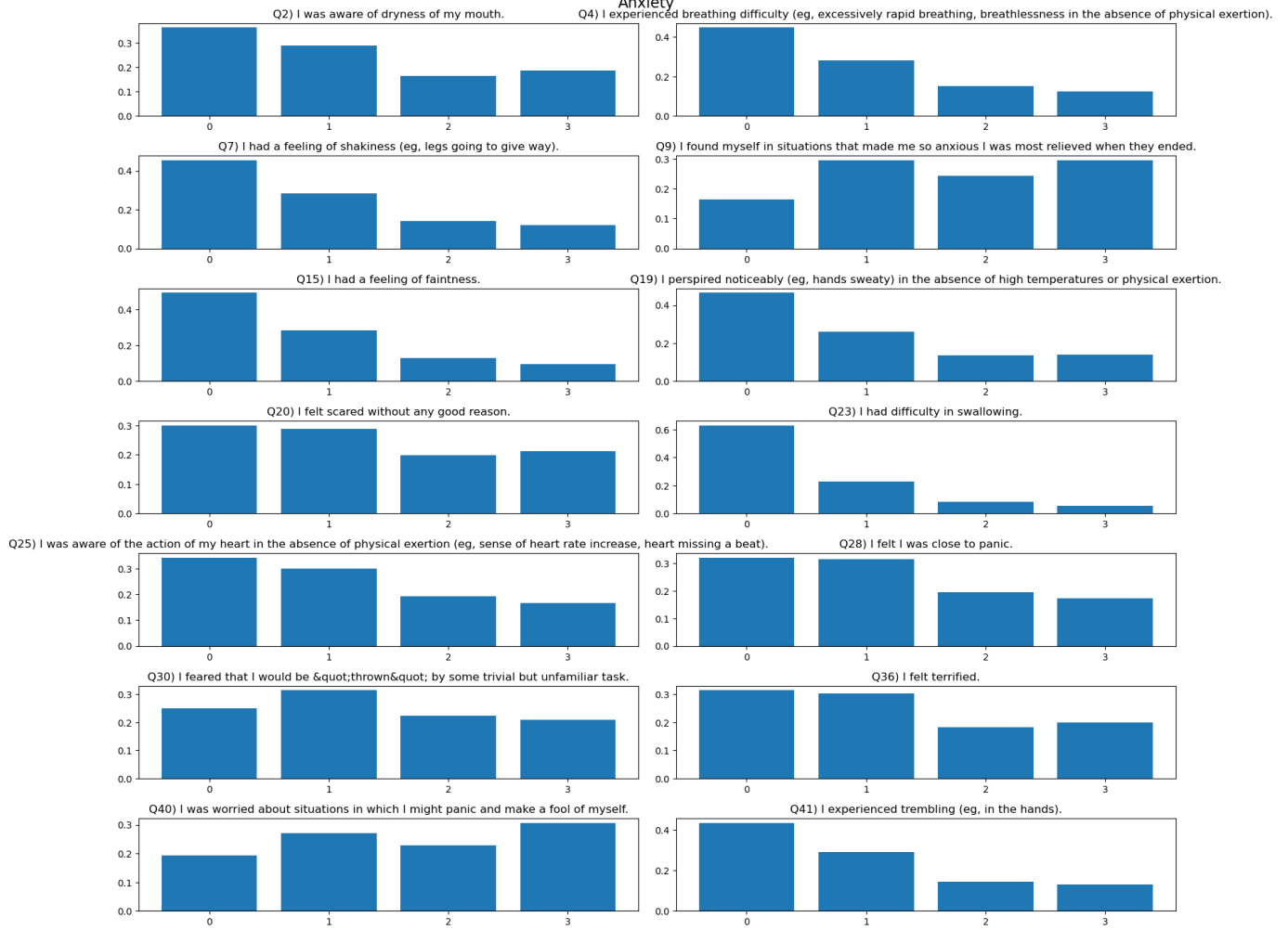




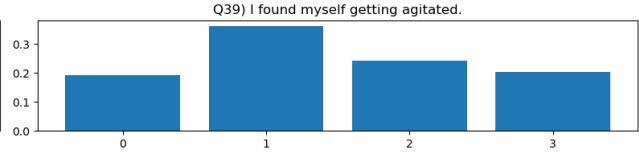
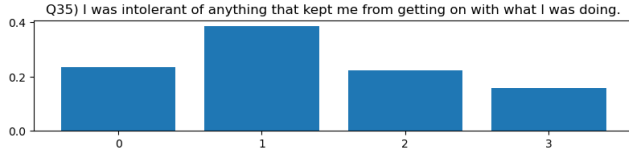
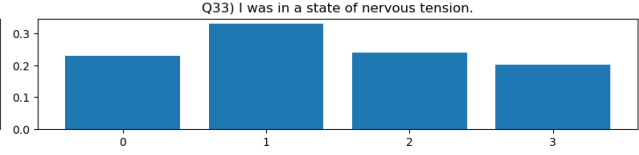
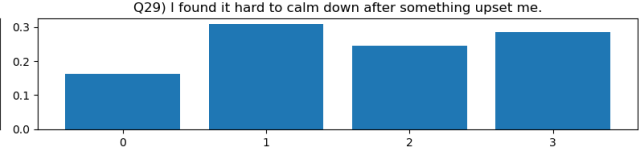
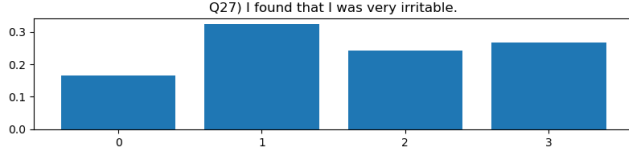
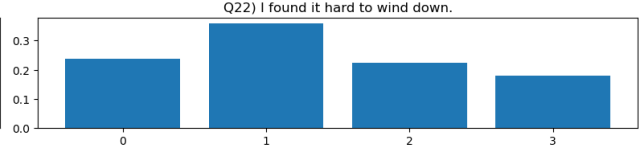
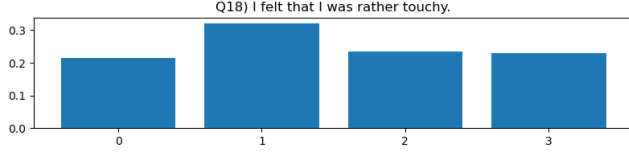
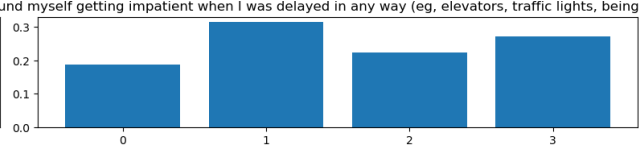
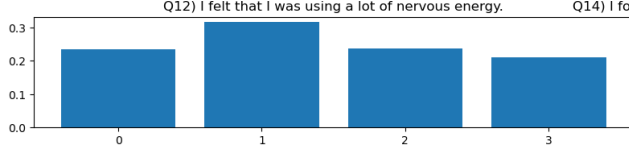
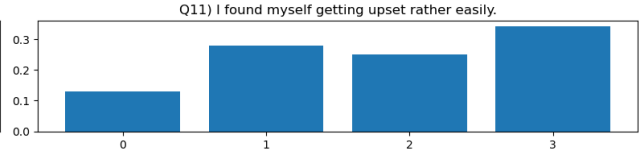
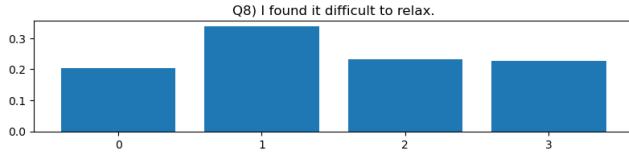
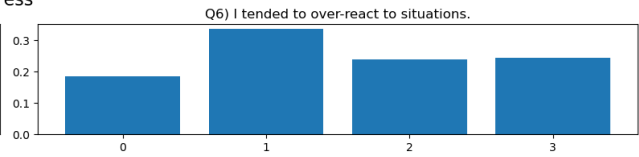
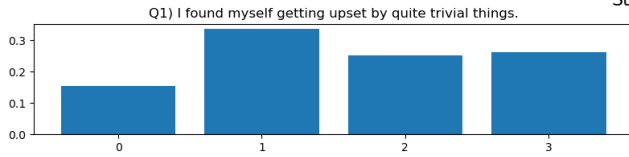
## Depression



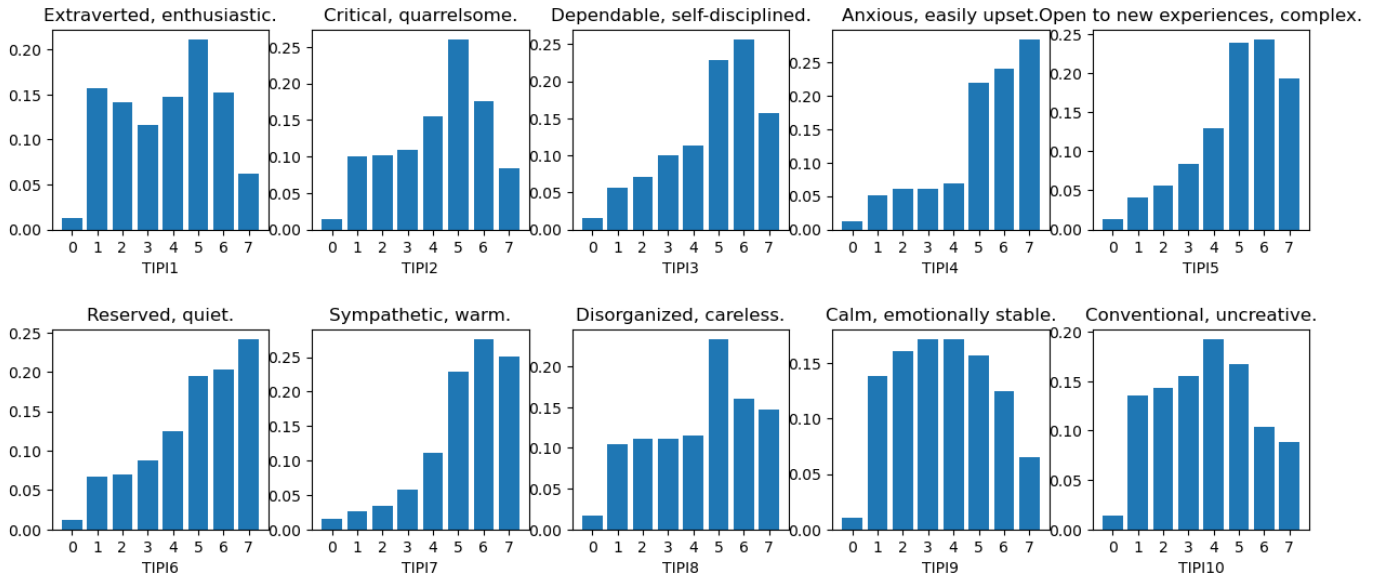
## Anxiety



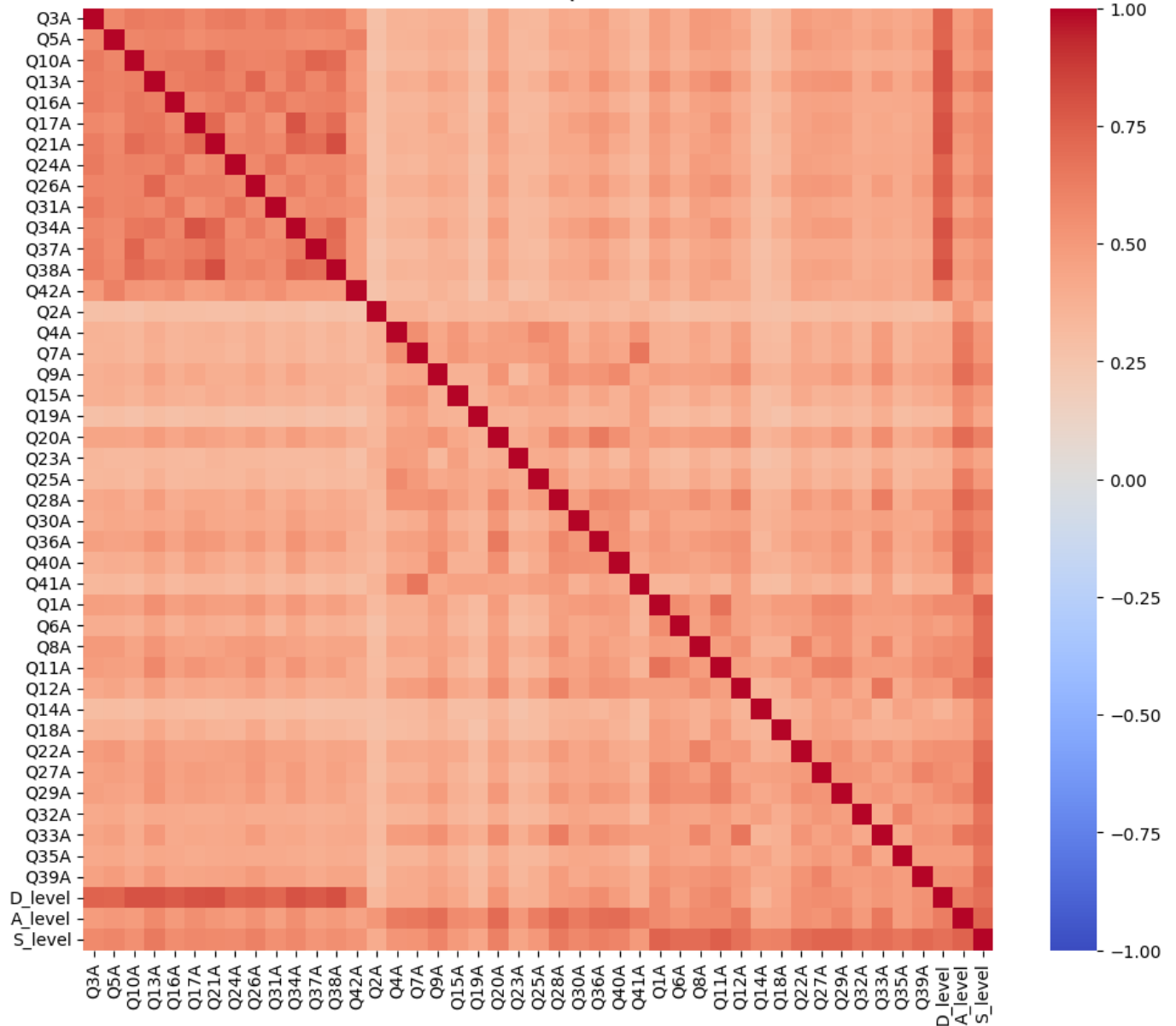
## Stress

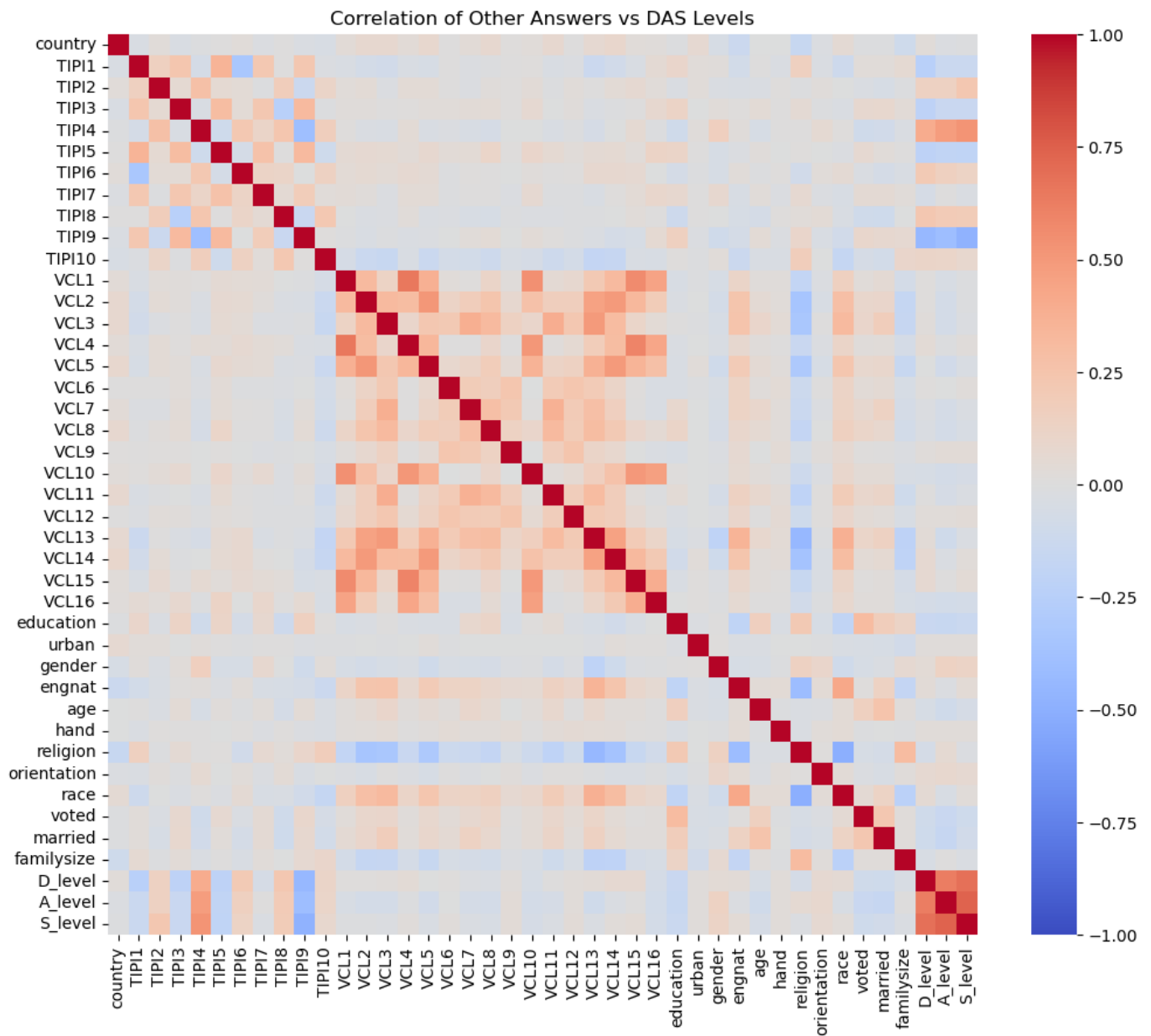


### Self Voted TIPI



### Correlation of Questions





## DT model to predict DAS levels with few Questions( $\leq 14$ )

Total Data Size: 39775

Train Data Size: 27842

Test Data Size: 11933

Test Proportion: 0.3

Random Seed: 69420

DT criterion: entropy

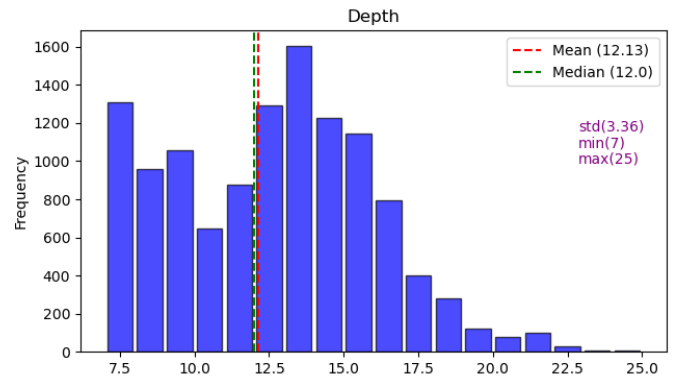
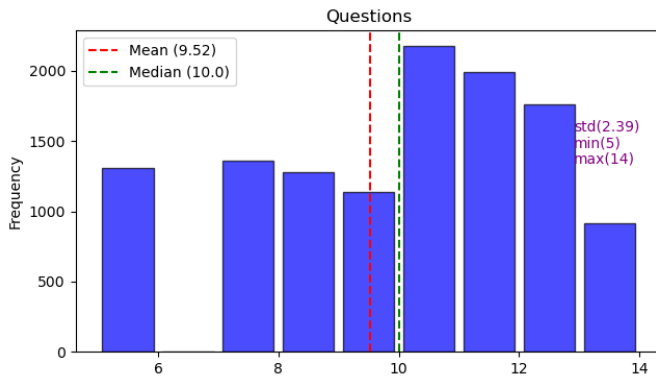
Depression Predictor

Accuracy: 0.83

	precision	recall	f1-score	support
0	0.92	0.93	0.93	2677
1	0.63	0.65	0.64	1119

2	0.74	0.74	0.74	2157
3	0.73	0.71	0.72	2034
4	0.93	0.93	0.93	3946

accuracy			0.83	11933
macro avg	0.79	0.79	0.79	11933
weighted avg	0.83	0.83	0.83	11933

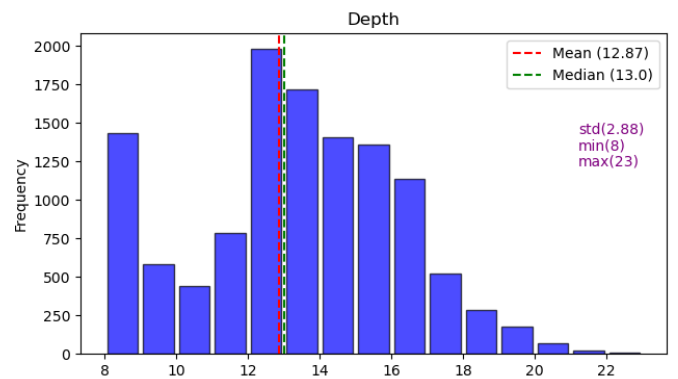
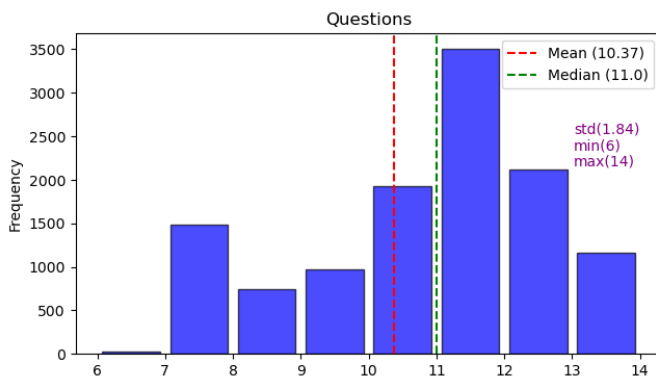


## Anxiety Predictor

Accuracy: 0.78

	precision	recall	f1-score	support
0	0.90	0.92	0.91	2934
1	0.42	0.45	0.43	812
2	0.68	0.65	0.66	2151
3	0.59	0.58	0.59	1846
4	0.91	0.90	0.91	4190

accuracy			0.78	11933
macro avg	0.70	0.70	0.70	11933
weighted avg	0.78	0.78	0.78	11933



## Stress Predictor

Accuracy: 0.79

	precision	recall	f1-score	support
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0	0.92	0.92	0.92	3568
1	0.59	0.62	0.61	1470
2	0.72	0.71	0.72	2632
3	0.77	0.75	0.76	2591
4	0.85	0.88	0.87	1672
accuracy			0.79	11933
macro avg	0.77	0.78	0.77	11933
weighted avg	0.80	0.79	0.79	11933

