### **EEG Mindfulness Index Report**

=== Mindfulness Index (MI) Analysis Summary ===

File: UnicornRecorder\_12\_05\_2025\_12\_41\_310

Analysis Date: 2025-05-22 10:45:11

EDA file used:

data/eda\_data\opensignals\_lsl\_500hz\_gain1\_0007808C0708\_2025-04-30\_16-32-15.txt

- Window Size: 3 seconds
- Window Overlap: 50.0%
- Frequency Bands: Theta (4, 7.99), Alpha (8, 12.99), Beta (13, 30)
- MI Weights: {'theta\_fz': 0.25, 'alpha\_po': 0.25, 'faa': 0.2, 'beta\_frontal': -0.15, 'eda\_norm': -0.15}
- State Thresholds: Focused >= 0.5, Neutral >= 0.37, Unfocused < 0.37

#### File Information:

- Total Duration: 205.33 seconds (3.42 minutes)
- Analyzed Duration: 204.00 seconds
- EDA Data Available: Yes

### Results Summary:

- Total Windows Analyzed: 135
- Average MI Score: 0.5271
- MI Score Range: 0.2776 to 0.9916

### **Behavioral States:**

- Focused: 68 windows (50.4%)
- Neutral: 51 windows (37.8%)
- Unfocused: 16 windows (11.9%)

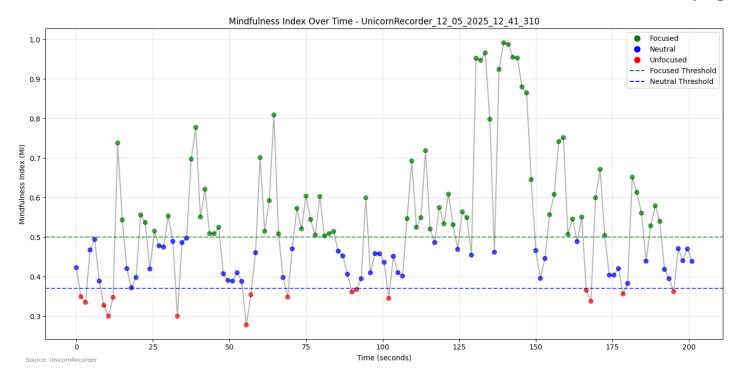
### **Output Files:**

- JSON Data:

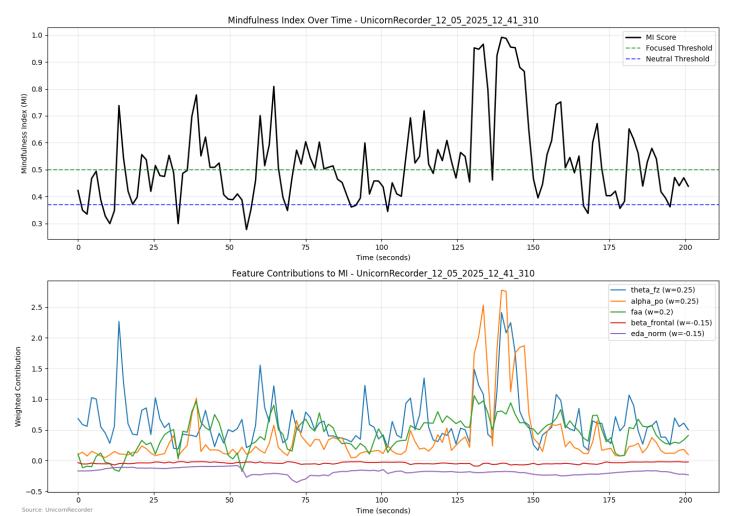
results/mindfulness\_analysis\_20250522\_104508\UnicornRecorder\_12\_05\_2025\_12\_41\_310\_2025 0522\_104510\_mindfulness\_results.json **CSV** Data: results/mindfulness\_analysis\_20250522\_104508\UnicornRecorder\_12\_05\_2025\_12\_41\_310\_2025 0522\_104510\_mindfulness\_data.csv Simplified MI Data: results/mindfulness\_analysis\_20250522\_104508\UnicornRecorder\_12\_05\_2025\_12\_41\_310\_2025 0522\_104510\_mi\_only.csv Plot: ΜI results/mindfulness\_analysis\_20250522\_104508\UnicornRecorder\_12\_05\_2025\_12\_41\_310\_2025 0522\_104510\_mi\_timeseries.png **Feature** Plot: results/mindfulness\_analysis\_20250522\_104508\UnicornRecorder\_12\_05\_2025\_12\_41\_310\_2025 0522\_104510\_feature\_contributions.png State Plot: results/mindfulness\_analysis\_20250522\_104508\UnicornRecorder\_12\_05\_2025\_12\_41\_310\_2025

0522\_104510\_behavioral\_states.png

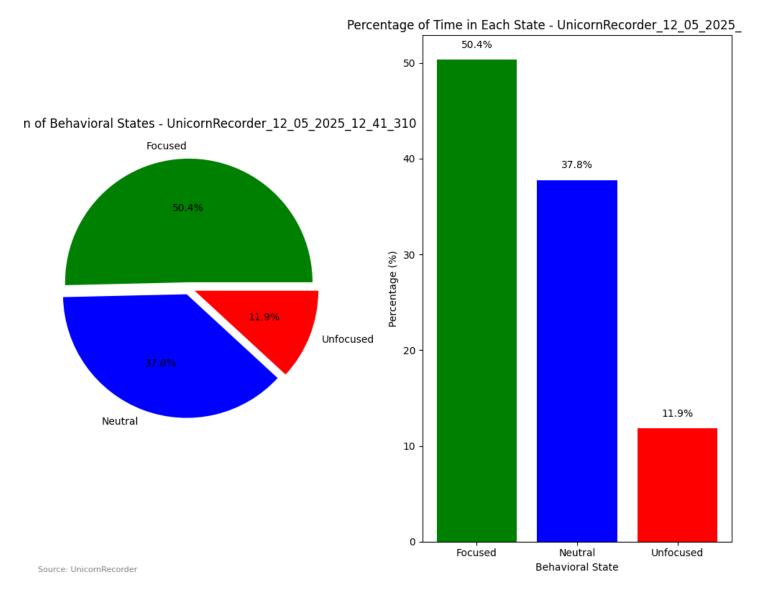
## UnicornRecorder\_12\_05\_2025\_12\_41\_310\_20250522\_104510\_mi\_timeseries.png



### UnicornRecorder\_12\_05\_2025\_12\_41\_310\_20250522\_104510\_feature\_contributions.png



### UnicornRecorder\_12\_05\_2025\_12\_41\_310\_20250522\_104510\_behavioral\_states.png



# $Unicorn Recorder\_12\_05\_2025\_12\_41\_310\_20250522\_104510\_mindfulness\_data.csv$

timestamp	mi_score	behavioral_state	theta_fz	alpha_po	faa	beta_frontal	eda_norm	
0.0	0.4227374273012	2 <b>29</b> 22utral	2.7413687528243	<b>30096</b> 028797599488	<b>@55</b> 331353108015	<b>6</b> 5 <b>2</b> 286413809107	07.232926429885	0874
1.5	0.3493270421437	75103focused	2.3458212619347	<b>1045</b> 388474494221	195586755266611	<b>30.734</b> 755001416501	112129931222958	927
3.0	0.3347771867595	7.9% ocused	2.2302348378554	9992966197522641	964465229769067	1 <b>0.67</b> 64755826497	117725688013146	866
4.5	0.4674302414170	<b>Ne</b> utral	4.1059581438733	<b>4</b> 056022816044591	9 <b>92</b> 500213822856	<b>82.23</b> 54895095733	<b>8</b> 8 <b>1</b> 07716771589	9028
6.0	0.4942347481967	<b>10%</b> eutral	4.0158018118948	<b>0</b> 054651928727257	<b>9993</b> 276835734957	<b>269</b> 388874549820	<b>236</b> 53428646053	2427
7.5	0.3885847698284	17/e5utral	2.2042210475324	<b>6</b> 223007369071387	400 <b>9</b> 165762717170	<b>9</b> 3 <b>3</b> 445045179811	777 <b>6</b> 07626940140	7043
9.0	0.3274493512519	227nfocused	1.7905589657023	<b>46</b> 1915202256904	<b>307</b> 143033989136	6 <b>9.02</b> 560623513175	90 <b>8</b> 88317864248	6423
10.5	0.2997522273513	9.23% ocused	1.1237354175049	00234776051730489	<b>402</b> 35453208607	<b>19.39</b> 39955588708	107.834154539000	5723
12.0	0.3475235917413	67/2focused	2.241910529935	<b>2</b> ).5923827627367	8 <b>03</b> 747949334621	09.84865035107942	<b>©13</b> 73002397591	4612
13.5	0.7381488567974	779Macused	9.0669475381157	D.4343283561696	8 <b>62</b> 879594930626	<b>58.96</b> 13407547522	109 <b>3</b> 555530357188	8579
15.0	0.5436181342867	<b>(F∕oc</b> used	5.0930247826927	<b>40</b> 7.4115063215417	8 <b>6</b> 230972312059	<b>53.529</b> 54160578196	<b>402</b> 38058316786	2547
16.5	0.4202790954683	<b>352e</b> utral	2.3949831688118	5033665062867767	7018607843356234	<b>7093</b> 470865689196	<b>3</b> 33 <b>7</b> 47293538141	9163
18.0	0.3717273879179	<b>216</b> € utral	1.7185942969248	<b>307</b> 5278497773129	<b>688</b> 547604993322	<b>803</b> 248465744801	<b>4</b> 8 <b>7</b> 24330285041	3521
19.5	0.3977636599348	<b>426</b> utral	1.6733983664864	<b>2</b> 27 <b>6</b> 317138899536	<b>5049</b> 853231729391	<b>4</b> 01 <b>2</b> 628946081882	<b>67.8</b> 24669717067	7306
21.0	0.5559824443375	67466cused	3.2710962700553	<b>3079</b> 518242533391	112 <b>6</b> 466112961727	<b>10082</b> 511826526974	<b>7</b> 5 <b>8</b> 16682498597	9692
22.5	0.5369127830657	1F003cused	3.432991154653	937782105863683	<b>442</b> 974890580897	<b>3012</b> 629467342669	<b>6</b> 2 <b>8</b> 32906536114	6721
24.0	0.4194336984490	8N422utral	1.6963354995889	7014848923606983	<b>239</b> 477295465299	<b>4062</b> 519067007608	<b>938</b> 14436093403	3488
25.5	0.5153596731975	\$706cused	4.0886796702202	<b>28</b> 3230546898438	<b>1055</b> 399718621541	<b>968</b> 551980617987	<b>4</b> 01 <b>9</b> 41268155450	2037
27.0	0.4779264201825	9 <b>%</b> e∮utral	2.6896271399839	4073962190247646	110 <b>4</b> 743316807757	<b>805</b> 753277096231	1092255869789215	2364
28.5	0.4747427964555	<b>1√r</b> e⁄utral	2.1516139551312	2 <b>50847</b> 452603828956	<b>6</b> 291037843595696	<b>202</b> 647643934344	<b>2078</b> 758378353890	64
30.0	0.5533258274997	/6 <b>749</b> cused	2.4423686403113	1107226365879197	<b>5248</b> 650914356881	<b>207</b> 618666134894	<b>1069</b> 39146550544	1733
31.5	0.4890041658812	2 <b>6/5</b> e9utral	0.8007876415618	01 <b>6</b> 278328731932	<b>523\$</b> 321050808409	<b>26</b> 2633389964293	<b>638</b> 87104830202	1337
33.0	0.2996876151627	<b>19.223</b> focused	0.749030923126	<b>18002</b> 881695004196	1081419911699049	<b>3003</b> 254105762839	<b>968</b> 84484024141	7432
34.5	0.4861874249003	3422eutral	1.725345152575	1026606414834545	<b>6</b> 23 <b>3</b> 747608112704	<b>20</b> 81156818562250	133 <b>7</b> 29072696007	773
36.0	0.4973004039834	81e9utral	1.673980552723	7059888392614758	<b>9243</b> 092672147227	<b>204</b> 2092809775391	<b>267</b> 13098259068	2501
37.5	0.6974140961763	3 <b>₩</b> 0 <b>7</b> cused	1.639942252667	1330018514892821	<b>3339</b> 847660758949	<b>1066</b> 392602311854	108676656574799	9633
39.0	0.7774605050333	778o7cused	1.5578387358179	<b>74</b> 0607378466201	<b>898</b> 271881415826	<b>5</b> 011286826497270	105 <b>9</b> 65674149404	0413
40.5	0.5510488295320	3Fb2cused	2.2054408879940	<b>3025</b> 838118379705	7221043717464079	4041194661584750	<b>426</b> 35722080142	4358
42.0	0.6211406044673	55601cused	3.2743603120936	1170293523395026	<b>5296</b> 766597592472	<b>508</b> 1296684910501	<b>396</b> 49450111887	3384
43.5	0.5088421323528	6 <b>7</b> 62cused	2.0045436159444	<b>45</b> 076761945589976	<b>2203</b> 614008542888	0061987692070670	<b>366</b> 48514109722	9132
45.0	0.5086448421096	3760cused	0.9129861600393	497020539299689	99279506103175853	103 <b>6</b> 486239699434	<b>286</b> 46704505538	3579

46.5	0.5248796674602 <b>69</b> 3£u	used 1.7787505798249	<b>866</b> 592365516306	<b>822</b> 744981011943	<b>20</b> 92062317778405	<b>646</b> 257380570552	] 234
48.0	0.4072510812108 <b>769</b> ut	tral 1.1398536321742	<b>1094</b> 511000751031	<b>289</b> 777736889073	5022328214325880	<b>7096</b> 24739654746	5 13
49.5	0.3903865241501 <b>86</b> 7ut	tral 2.0141912037783	<b>3700\$</b> 077462731212	1033176185715099	<b>7083</b> 001895930728	<b>2</b> 3 <b>8</b> 977827924110	068
51.0	0.3885857418129 <b>96æ</b> ut	tral 1.8806397701496	<b>256</b> 371961358535	<b>5</b> 08 <b>5</b> 314531494447	<b>9</b> 6 <b>9</b> 123437197571	109 <b>5</b> 810595537400	005
52.5	0.4099283215265 <b>4\le</b> ut	tral 2.0910104284896	9024045885687733	<b>869</b> 103093681254	<b>9</b> 5 <b>1</b> 900794804392	<b>6</b> 5 <b>6</b> 447426697603	309
54.0	0.387776224190 <b>1382</b> ut	tral 2.6809700640272	<b>28</b> 7.8768957840491	9 <b>6</b> .884007809963	2 <b>2.2</b> 344624615349	<b>352</b> 94433078389	553
55.5	0.2776020000608 <b>13</b> 77fo	ocused 0.8433516621006	<b>5554</b> 135415954155	<b>905</b> 304594748463	704 <b>3</b> 611880511555	<b>948</b> 168320113584	1 4 13
57.0	0.3539969065843 <b>52</b> nfo	ocused 1.0042495586446	<b>885</b> 646810661324	012 <b>3</b> 207940302995	<b>6089</b> 628852570478	<b>808</b> 564986093596	625
58.5	0.4605031479129 <b>0%</b>	tral 2.3000990604439	<b>369</b> 152991682760	89 <b>6</b> 196765180288	<b>802</b> 522099979704	<b>912</b> 21804129131	5 99
60.0	0.7011233321196 <b>0726</b> cu	used 6.2223725095350	9336496498037745	<b>319</b> 538412121135	907.1479796375727	91 <b>6</b> 59493816285	7 86
61.5	0.5146654244731 <b>70</b> 7cu	used 3.443989984298	<b>502</b> 4842434898575	018 <b>2</b> 761965703989	<b>@7.2</b> 652229086068	63 <b>6</b> 58904783682	2 2 2 2
63.0	0.5922809668882 <b>45</b> 9cu	used 2.5290143481376	7/19 <b>2</b> 227515520887	<b>495</b> 767811162918	<b>©</b> 12488807201855	<b>352</b> 50418364058	106
64.5	0.8090662450748 <b>55</b> 0cu	used 4.869606060275	<b>92</b> 63051545076082	<b>23</b> 5166034899954	5092882927964963	<b>5</b> 1 <b>5</b> 987510445818	836
66.0	0.5081595606208 <b>27</b> ocu	used 2.2922650366684	0.8559301322289	<b>027.5</b> 277598422597	<b>©</b> 23058586255708	<b>825</b> 272055103803	361
67.5	0.3977957195354 <b>9N</b> 2ut	tral 1.157105018849	<b>8885</b> 13691978006	<b>6</b> 23391974406659	20.3048402073582	d7 <b>&amp;</b> 92600861601	533
69.0	0.348222721485 <b>13J</b> nFo	ocused 1.4241372658259	<b>5332</b> 309890985091	<b>707.9</b> 273570523888	7021173426462898	7/3 <b>6</b> 567482099368	805
70.5	0.4703446398178 <b>202</b> ut	tral 3.3039347748815	<b>849</b> 595250798552	<b>3027</b> 708613472649	<b>808</b> 612706876669	<b>284</b> 97383060108	7 85
72.0	0.5725456891749 <b>0</b> 62cu	used 2.0891372864506	<b>32</b> 36206585758262	<b>32</b> 5588379695895	<b>©</b> 22630508666185	<b>2</b> 23 <b>6</b> 83425321557	117
73.5	0.5208206746431 <b>4</b> Fbcu	used 1.8321324250583	<b>35</b> 2 <b>6</b> 154397089326	<b>996</b> 254124989343	<b>5</b> 06 <b>3</b> 150702161763	<b>268</b> 425607645783	3 73
75.0	0.6038284726737 <b>3</b> 60cu	used 3.1637449228450	01225501110272099	<b>1353</b> 746479061313	<b>3</b> 0.3778850546993	<b>4</b> 28 <b>9</b> 017860390488	828
76.5	0.5444574254108 <b>3523</b> cu	used 2.8055962162837	70039224409707525	<b>996</b> 232862941680	<b>2</b> 33806910483803	<b>646</b> 084155294130	074
78.0	0.5049208419753 <b>4536</b> cu	used 1.9785191245958	043787797387444	<b>253</b> 983751254609	<b>853</b> 503314356539	<b>2</b> 12 <b>6</b> 45106814258	541
79.5	0.6026672986327 <b>6</b> 703cu	used 2.4548485144647	7953550327878844	<b>4878</b> 943272212847	907.4362165957047	<b>516</b> 62079653506	7 84
81.0	0.5028478958351 <b>4557</b> cu	used 2.573101922987	897138097429614	<b>0263</b> 409261804815	9992925734130934	116864236227252	206
82.5	0.5089322663297 Focu	used 1.6010875320830	<b>582</b> 525464809366	<b>249</b> 619499242768	<b>643</b> 175045166009	119 <b>6</b> 49599624647	7 82
84.0	0.5142286828757 <b>8728</b> cu	used 1.605202231553	<b>446</b> 945635987081	<b>5206</b> 819381220506	<b>453</b> 868487586845	<b>893</b> 09144437374	199
85.5	0.4644480814016 <b>3993</b> ut	tral 1.5138211257192	<b>7</b> 12 <b>4</b> 093058536217	71373969559858924	<b>4</b> 013085551958380	7772422514826899	947
87.0	0.4523156304087 <b>79</b> 5ut	tral 1.4568910475429	<b>493</b> 951249435031	<b>8</b> 1 <b>3</b> 698120670583	3071738865967295	1163813489418580	0 16
88.5	0.4061222439413 <b>62</b> 7ut	tral 1.3676282965066	801 <b>8</b> 752693691280	<b>989</b> 335455580340	107.8517380903191	<b>304</b> 979473802404	- 489
90.0	0.3612207726649 <b>9</b> ปกซิด	ocused 1.2157483437463	3 <b>5</b> 8 <b>3</b> 789914716842	<b>465</b> 333478501685	881 <b>4</b> 304406424062	<b>7</b> 73 <b>6</b> 05719966972	462
91.5	0.3672021789561 <b>525</b> fo	ocused 1.6249352819428	703 <b>2</b> 053092040327	<b>150091</b> 45557570201	<b>8</b> 3 <b>4</b> 354188107610	74 <b>6</b> 95985544462	441
93.0	0.394684804239 <b>737</b> eut	tral 1.388483432762	100 <b>4</b> 813572591634	<b>5</b> 3 <b>9</b> 942298554156	2 <b>298</b> 189626414226	97 <b>6</b> 40823816905	650
94.5	0.599474915573 <b>657506</b> cu	used 4.9047363272182	<b>28</b> 25680815786867	<b>954</b> 166858900943	<b>7032</b> 925537360178	<b>2</b> 13 <b>9</b> 625390671203	1 314

96.0	0.4096897956073	8 <b>₩</b> ∂utral	2.34319673139132	<b>28</b> 5630426713808	201 <b>5</b> 252802252479	0072116972937386	03100727955428	86
97.5	0.4582391623419	<b>666</b> eutral	2.18224896106841	066261058573809	<b>216</b> 051803062415	<b>707.2</b> 110935713338	711 <b>6</b> 59294259616	97
99.0	0.4578605944985	<b>2√7€</b> utral	1.40931683262900	03 <b>6</b> 565464147216	<b>8245</b> 864401866267	<b>1007</b> 2012662255950	877150148869710	51
100.5	0.4361010481219	7 <b>%</b> elutral	1.67040844320875	<b>505</b> 582713999374	810 <b>9</b> 243789231881	<b>423</b> 739013708506	<b>@7.9</b> 86410891080	40
102.0	0.3447108578146	5Jnfocused	0.85358118777839	<b>359</b> 046456804328	<b>5092</b> 552445273489	<b>699</b> 815171200521	<b>5</b> 10 <b>8</b> 04991059011	33
103.5	0.4513651693136	5 <b>%</b> eutral	2.54859239304078	<b>85</b> 6123408308925	<b>2</b> 17 <b>6</b> 705262927102	<b>5009</b> 858543773030	<b>5</b> 7. <b>2</b> 77445164072	:33
105.0	0.4099487777824	Meutral	1.66472668936014	<b>Q</b> 54373755467106	3 <b>425</b> 547503669905	<b>20</b> 81738081866078	<b>2</b> 8163876901455	41
106.5	0.4012899188718	3 <b>609</b> utral	1.48094844469428	<b>57.8</b> 986238992742	.018 <b>6</b> 336710159928	<b>5</b> 9 <b>6</b> 683106768691	0165543160053549	46
108.0	0.5466476002009	98F109cused	3.73148721354733	<b>87.6</b> 329942469769	<b>876</b> 537331410515	<b>5</b> 3 <b>2</b> 257860736200	217339096506635	80
109.5	0.6927441946118	30F2o7cused	4.07606125294723	∄.9556186258666	<b>829</b> 8476738703113	<b>584</b> 350498067925	30 <b>9</b> 28114081239	88
111.0	0.5245640200646	6 <b>729</b> £used	2.00858917006403	342383964311874	<b>5</b> 266401875976061	<b>5093</b> 411982952410	7/5 <b>2</b> 68459543293	85
112.5	0.5492828091022	23F1d5cused	2.96397757096455	<b>0</b> 67470989778254	<b>8228</b> 135707184265	40.3328599632369	53218539427857	84
114.0	0.7187703943490	4Flotcused	5.38488884254792	<b>25</b> 8145426841885	<b>6667</b> 884376827072	4 <b>043</b> 477316571509	<b>356</b> 80100938972	- :11
115.5	0.5204100255918	660 cused	2.17636497875574	<b>DØ</b> 111968980556	<b>5584</b> 578417542314	963409564643599	<b>2</b> 13 <b>6</b> 70865717616	45
117.0	0.4860921623097	(5Neutral	1.34139614622185	<b>DO9</b> 230593410409	<b>237.8</b> 526893754510	<b>3334</b> 705455448134	<b>2</b> 6 <b>7</b> 78104134354	- 67
118.5	0.5747604443912	95otcused	1.23525794538697	<b>146</b> 868332792703	4 <b>849</b> 873280371809	801 <b>3</b> 149266798184	80696324976488	81
120.0	0.5335516301627	17602cused	1.77025187595462	<u>3</u> 7.1792201939301	<b>523</b> 029510992320	0 <b>082</b> 620577064213	3122128273850367	86
121.5	0.6086679400292	2 <b>9</b> 223cused	1.63728264254071	P.1220826102798	<b>8346</b> 400975713344	307.2873428397128	98 <b>2</b> 20286631898	10
123.0	0.5312429389274	7769cused	2.08747853202583	<b>8</b> 66591683378423	<b>6343</b> 364476651814	<b>4003</b> 311149119700	811994328171871	37
124.5	0.4688878398108	3 <b>%5e</b> utral	1.07821937617479	<b>M9</b> 948637031689	<b>3</b> 40086200867899	3043717214004506	37258974721361	01
126.0	0.5639213261851	67603cused	2.11110516752056	30 <b>2</b> 910315378130	<b>362</b> 295068989487	<b>40</b> 53173044241402	210 <b>2</b> 78318766092	46
127.5	0.5492299504851	4F106cused	2.00677309415204	<b>1</b> .5427151148672	<b>©35</b> 410306213422	708 <b>3</b> 320572271403	1152654731511548	95
129.0	0.4543923687809	<b>0√5e</b> utral	1.15744958714515	<b>D7.8</b> 619347756531	<b>1217</b> 122872023414	<b>628</b> 164109136621	<b>5</b> 1 <b>2</b> 18539427857	84
130.5	0.9523817278765	17606cused	5.94171217615758	<b>8</b> 59512615625056	45.2890870507044	<b>2006</b> 031656625780	<b>7</b> 17 <b>.8</b> 98910813709	81
132.0	0.9473267942717	<i>TFt</i> o€cused	4.90103654127900	<b>8</b> 21344701642547	917.5970047096067	<b>224</b> 6020635107904	<b>658</b> 22872469119	10
133.5	0.9659885429520	4994cused	4.31540894257364	<b>1</b> 0.138519448519	<b>228</b> 712479268063	<b>5</b> 83056099046738	717.302904422944	69
135.0	0.7980775081104	7537cused	1.70716750715580	<b>5</b> 0 <b>6</b> 143174198676	<b>23</b> 7.8786905036759	<b>69</b> 2925155067408	1102452734706931	50
136.5	0.4616246624841	<b>216≘</b> utral	1.43486145409682	M <b>2</b> 465137913922	<b>6208</b> 024096177649	<b>358</b> 269376167878	<b>3112</b> 37259471146	- 34
138.0	0.9245317867805	2 <b>7</b> 436:used	4.55653743272951	<b>1</b> 92556102693583	<b>35</b> 9723028413305	<b>7</b> 64057529421694	31207057801307	56
139.5	0.9916380905846	0R6¥cused	9.65125699869946	38 .112734898603	<b>256</b> 385269304036	0.2850634622465	<b>302</b> 01816189186	78
141.0	0.9875857424021	\$20cused	8.33179422391528	<b>35</b> .040852380234	<b>3352</b> 811677480470	<b>2073</b> 011117038125	<b>0159</b> 85404951237	19
142.5	0.9550891876971	27806cused	8.99565685516504	<b>47</b> 74806063815737	94.7076926885447	<b>4</b> 0.4867904399302	<b>802</b> 03064192072	68
144.0	0.9529607699977	\$5506cused	6.99774442619062	<b>7</b> 90251815737782	2817601206730120	9014325687556515	<b>3</b> 3228523450945	- 04

145.5	0.8799769483038	© Fot€cused	3.2101883823306	<b>2</b> 7.3728870476815	997.0800793230489	0024747789446682	711 <b>3</b> 223732679647	7 422
147.0	0.8647908203290	3Fto£cused	2.5204493870300	844971550741442	<b>33</b> 10919909340377	<b>6</b> 84660128086954	711 <b>3</b> 148852506493	341
148.5	0.6453636713201	9765cused	2.313688457851	<b>7300</b> 547982788157	<b>4276</b> 479212641958	608 <b>5</b> 149075125708	<b>949</b> 049910590113	3 3 3 3 3
150.0	0.4658836790722	:0 <b>102</b> utral	1.0237064071174	<b>315</b> 568969246880	<b>427.5</b> 634767113484	<b>@58</b> 007302814586	010 <b>6</b> 960952696820	] 0542
151.5	0.3954677437812	. <b>4√7</b> €7utral	0.6598949609134	<b>8</b> 2 <b>1</b> 386760326145	<b>9297</b> 322770231272	1006494733702935	41281537530030106	1 6448
153.0	0.4458289720985	51eutral	1.6727222291722	<b>28</b> 65882885418298	<b>3236</b> 486548556705	<b>8</b> 63679365963080	<b>225</b> 82207468809	17
154.5	0.5569412830655	8 <b>867</b> cused	1.9060991047470	<b>408</b> 687583029114	<b>25</b> 8806746606267	<b>40</b> 93544107299603	48 <b>5</b> 862010780440	507
156.0	0.6079418531794	77606cused	2.1682972130892	<b>@13</b> 338994274649	<b>606</b> 222391941193	<b>28</b> 3684650861721	<b>7</b> 12 <b>5</b> 737210491850	0486
157.5	0.7416290437477	′5550£used	4.3098074950949	<b>5</b> 212955975259769	<b>2</b> 344348616876477	50.3369716787473	313 <b>5</b> 555002070509	9052
159.0	0.7517871243004	3F43cused	3.9224913278827	<b>4</b> 213924371806468	<b>7</b> 6 <b>7</b> 598552721655	<b>24</b> 3503390348411	<b>d46</b> 665724638960	0255
160.5	0.5070355273012	.5550cused	2.2674367877353	<b>&amp;</b> 18925797269510	<b>323@</b> 591642569893	<b>382</b> 981201737907	<b>206</b> 59833248312	1645
162.0	0.5453974116116	8F236cused	2.0587417686060	052477751338770	<b>402</b> 377746785226	30.3406186209705	<b>636</b> 066683253728	815
163.5	0.4884820635797	′3•9e4utral	1.9424143345199	938395065874360	<b>297</b> 608306688229	<b>@</b> 44054204784736	018 <b>6</b> 527546007019	9246
165.0	0.5507259466857	′0F494cused	3.3954724500307	1037292102460908	<b>1253</b> 824126442412	<b>3</b> 54674992315044	465594938162857	786
166.5	0.3650981210885	41nfocused	0.945183874662	<b>0096</b> 643223107889	<b>2</b> 68348440873846	101 <b>2</b> 848780257242	<b>563</b> 32786554527	521
168.0	0.3374783601136	309 ocused	0.6798968109063	<b>254</b> 563109206246	535789804246462	<b>258</b> 444690832460	1123848632437089	9522
169.5	0.5995652062153	3Fo5cused	2.5860913842316	<b>2</b> 1 <b>2</b> 061627360857	731 <b>6</b> 673284079819	<b>353</b> 808683647980	119 <b>9</b> 716344131184	4098
171.0	0.6714451502322	2Flo6cused	2.4384874760788	<b>1266</b> 076629834911	<b>4946</b> 943665437118	938149435974717	<b>284</b> 896056546753	373
172.5	0.5043742030883	<b>⊕</b> ocused	2.4241001170024	<b>8</b> 9 <b>6</b> 653589470113	<b>72</b> 65324117834914	8072966564732914	a34456759530916	685
174.0	0.4035427153741	1 <b>√</b> eutral	1.3990853217326	<b>7</b> 8 <b>6</b> 447358453702	<b>295</b> 243744948927	8071474481309519	<b>583</b> 962550388100	036
175.5	0.4036133768757	7M2€utral	1.108941174683	<b>0</b> 08 <b>7</b> 913789864794	012 <b>9</b> 572007534284	<b>@82</b> 261060760323	67 <b>3</b> 535733401122	] 248
177.0	0.4203412218094	3Me≙utral	2.855380532172	<b>4073</b> 229070535284	<b>865</b> 837294942850	<b>3042</b> 358862010089	843153844518037	701
178.5	0.3561240636681	9.007focused	1.9354363983986	<b>623</b> 059876413626	<b>933</b> 676399538511	<b>7042</b> 337048393629	8028737011554146	334
180.0	0.3826572100806	4 <b>N</b> edutral	2.2891293212348	<b>662</b> 380778260270	5004374150833279	<b>602</b> 388007294438	0122449970890389	928
181.5	0.6516083747706	1Rowcused	4.2712917353784	90.9101929937057	<b>9286</b> 875048649887	<b>425</b> 700026815594	<b>7</b> 12 <b>2</b> 08368204337	] 7562
183.0	0.6132140149969	<i>TF6</i> cused	3.5949388000377	049646746244564	2.5991754556256	3 <b>3</b> 331568546513578	<b>6</b> 10 <b>3</b> 69118513576	194
184.5	0.5608084499593	9 <b>749£</b> used	1.9401938130347	<b>/2/25</b> 313257147603	7553741961466212	9031679428453285	4176538928783682	1 2112
186.0	0.4390454767655	7M2≙utral	1.068984210307	<b>305</b> 012283504703	<b>7203</b> 973924388433	©11638905109707	<b>4</b> 12 <b>7</b> 498992691333	3303
187.5	0.5284878084974	6590£used	2.1626380924454	7048528276881642	<b>7237</b> 427434374231	<b>4</b> 21531272025269	<b>951</b> 024751594691	1218
189.0	0.5792725329276	4704cused	2.2693158005380	0184942639262174	<b>0</b> 238657477659884	<b>965</b> 668606450485	1198281840189186	1 6665
190.5	0.5399463301989	77202cused	2.5831750841730	<b>d</b> 71752361552589	<b>0250</b> 7411190740235	<b>696</b> 388743822569	<b>402</b> 124591825563	3 3 3 3 3
192.0	0.4181154409693	<b>3√6</b> edutral	1.5231999061723	<b>486</b> 371897396762	07 <b>6</b> 455487579269	<b>0</b> 81229223949640	72208555404770	1 6413
193.5	0.3950000328541	9 <b>N</b> eutral	1.5259055986207	105 <b>4</b> 647027178307	01 <b>3</b> 882197059204	<b>8335</b> 352025670553	<b>282</b> 090546059250	1 0014

195.0	0.3620049390374	<b>26</b> 2focused	1.0183487656515	0.4846512373587	72 <b>3</b> 423908276628	<b>6</b> 31455333597059	<b>3</b> 4 <b>2</b> 604723248240	908
196.5	0.4709096215330	9938e4utral	2.7756295371351	4024725339190816	<b>653</b> 942875203985	<b>7046</b> 189391187962	71.3970038405415	76
198.0	0.4401657238562	<b>.06</b> e1utral	2.2133212412726	70.6654087943111	87.47090268093048	<b>@95</b> 283192503176	7 <b>/68</b> 848632437089	522
199.5	0.4699120508666	2 <b>Xfe</b> lutral	2.4428823845651	9087239836324405	<b>966</b> 755550103189	<b>6</b> 5 <b>4</b> 672141603109	<b>817.5</b> 816184362056	115
201.0	0.4385496346111	<b>248</b> e0utral	2.0104864382907	0.3876639904586	<b>2236</b> 473905543672	2041575975044817	11057495097931985	842

# UnicornRecorder\_12\_05\_2025\_12\_41\_310\_20250522\_104510\_mi\_only.csv

	<del> </del>	
timestamp	mi_score	behavioral_state
0.0	0.4227374273012292	Neutral
1.5	0.3493270421437503	Unfocused
3.0	0.3347771867595798	Unfocused
4.5	0.4674302414170118	Neutral
6.0	0.494234748196708	Neutral
7.5	0.3885847698284175	Neutral
9.0	0.3274493512519271	Unfocused
10.5	0.2997522273513938	Unfocused
12.0	0.3475235917413672	Unfocused
13.5	0.7381488567974795	Focused
15.0	0.5436181342867077	Focused
16.5	0.4202790954683521	Neutral
18.0	0.3717273879179267	Neutral
19.5	0.3977636599348428	Neutral
21.0	0.5559824443375646	Focused
22.5	0.5369127830657103	Focused
24.0	0.4194336984490842	Neutral
25.5	0.5153596731975808	Focused
27.0	0.4779264201825954	Neutral
28.5	0.4747427964555177	Neutral
30.0	0.5533258274997649	Focused
31.5	0.4890041658812656	Neutral
33.0	0.2996876151627923	Unfocused
34.5	0.486187424900342	Neutral
36.0	0.4973004039834818	Neutral
37.5	0.6974140961763867	Focused
39.0	0.7774605050333787	Focused
40.5	0.5510488295320312	Focused
42.0	0.6211406044673561	Focused
43.5	0.5088421323528672	Focused
45.0	0.508644842109636	Focused
1		

46.5	0.5248796674602693	Focused
48.0	0.4072510812108763	Neutral
49.5	0.3903865241501867	Neutral
51.0	0.3885857418129968	Neutral
52.5	0.4099283215265448	Neutral
54.0	0.3877762241901382	Neutral
55.5	0.2776020000608137	Unfocused
57.0	0.353996906584352	Unfocused
58.5	0.4605031479129037	Neutral
60.0	0.7011233321196028	Focused
61.5	0.5146654244731707	Focused
63.0	0.5922809668882454	Focused
64.5	0.8090662450748551	Focused
66.0	0.508159560620827	Focused
67.5	0.3977957195354942	Neutral
69.0	0.3482227214851313	Unfocused
70.5	0.4703446398178222	Neutral
72.0	0.5725456891749062	Focused
73.5	0.5208206746431417	Focused
75.0	0.603828472673736	Focused
76.5	0.5444574254108323	Focused
78.0	0.5049208419753436	Focused
79.5	0.6026672986327603	Focused
81.0	0.5028478958351457	Focused
82.5	0.5089322663297177	Focused
84.0	0.5142286828757828	Focused
85.5	0.4644480814016393	Neutral
87.0	0.4523156304087795	Neutral
88.5	0.4061222439413627	Neutral
90.0	0.3612207726649918	Unfocused
91.5	0.3672021789561525	Unfocused
93.0	0.394684804239737	Neutral
94.5	0.5994749155736556	Focused

97.5 0 99.0 0 100.5 0 102.0 0 103.5 0 105.0 0 106.5 0	0.4096897956073847 0.4582391623419658 0.4578605944985276 0.4361010481219781 0.3447108578146511 0.451365169313657 0.4099487777824048 0.4012899188718609 0.5466476002009819	Neutral  Neutral  Neutral  Neutral  Unfocused  Neutral  Neutral  Neutral
99.0 0 100.5 0 102.0 0 103.5 0 105.0 0 106.5 0 108.0 0	0.4578605944985276 0.4361010481219781 0.3447108578146511 0.451365169313657 0.4099487777824048 0.4012899188718609	Neutral Unfocused Neutral Neutral Neutral
100.5       0         102.0       0         103.5       0         105.0       0         106.5       0         108.0       0	0.4361010481219781 0.3447108578146511 0.451365169313657 0.4099487777824048 0.4012899188718609	Neutral Unfocused Neutral Neutral Neutral
102.0     0       103.5     0       105.0     0       106.5     0       108.0     0	0.3447108578146511 0.451365169313657 0.4099487777824048 0.4012899188718609	Unfocused  Neutral  Neutral  Neutral
103.5     0       105.0     0       106.5     0       108.0     0	0.451365169313657 0.4099487777824048 0.4012899188718609	Neutral Neutral
105.0 0 106.5 0 108.0 0	0.4099487777824048	Neutral Neutral
106.5 0 108.0 0	0.4012899188718609	Neutral
108.0		
	0.5466476002009819	_
		Focused
109.5	0.6927441946118027	Focused
111.0	0.5245640200646629	Focused
112.5	0.5492828091022315	Focused
114.0	0.7187703943490411	Focused
115.5	0.520410025591866	Focused
117.0	0.4860921623097519	Neutral
118.5	0.5747604443912951	Focused
120.0	0.5335516301627169	Focused
121.5	0.6086679400292923	Focused
123.0	0.5312429389274779	Focused
124.5	0.4688878398108356	Neutral
126.0	0.5639213261851663	Focused
127.5	0.5492299504851416	Focused
129.0	0.4543923687809056	Neutral
130.5	0.9523817278765188	Focused
132.0	0.9473267942717774	Focused
133.5	0.9659885429520494	Focused
135.0	0.7980775081104737	Focused
136.5	0.4616246624841263	Neutral
138.0	0.9245317867805248	Focused
139.5	0.9916380905846084	Focused
141.0	0.9875857424021822	Focused
142.5	0.9550891876971286	Focused
144.0	0.9529607699977556	Focused

145.5	0.8799769483038075	Focused
147.0	0.8647908203290319	Focused
148.5	0.6453636713201975	Focused
150.0	0.4658836790722008	Neutral
151.5	0.3954677437812477	Neutral
153.0	0.4458289720985519	Neutral
154.5	0.5569412830655887	Focused
156.0	0.6079418531794766	Focused
157.5	0.7416290437477553	Focused
159.0	0.7517871243004343	Focused
160.5	0.5070355273012551	Focused
162.0	0.5453974116116828	Focused
163.5	0.4884820635797394	Neutral
165.0	0.5507259466857044	Focused
166.5	0.3650981210885416	Unfocused
168.0	0.3374783601136309	Unfocused
169.5	0.5995652062153315	Focused
171.0	0.6714451502322216	Focused
172.5	0.504374203088307	Focused
174.0	0.403542715374116	Neutral
175.5	0.4036133768757726	Neutral
177.0	0.4203412218094339	Neutral
178.5	0.3561240636681907	Unfocused
180.0	0.3826572100806431	Neutral
181.5	0.6516083747706104	Focused
183.0	0.6132140149969777	Focused
184.5	0.5608084499593949	Focused
186.0	0.4390454767655722	Neutral
187.5	0.5284878084974693	Focused
189.0	0.5792725329276404	Focused
190.5	0.5399463301989722	Focused
192.0	0.4181154409693351	Neutral
193.5	0.395000032854193	Neutral

195.0	0.3620049390374262	Unfocused
196.5	0.4709096215330934	Neutral
198.0	0.4401657238562061	Neutral
199.5	0.4699120508666251	Neutral
201.0	0.4385496346111286	Neutral