

approach void Vs social P Value from dg hi2test3 0.00076354

Number Of approach<sub>a</sub> void Sessions:683

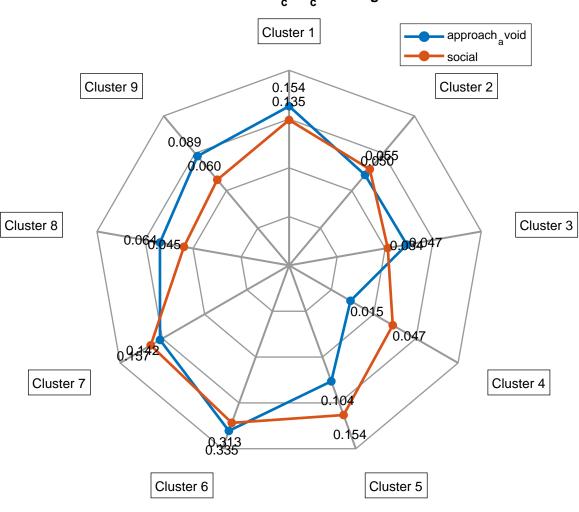
Number Of approach a void Subjects:25

**Number of social Sessions:617** 

Number of social Subjects:27

Date Created:05-10-2024

created by create\_spider\_plots\_with\_sig\_using\_dg for session ost lustering



Significance Determined By Chi Squared Test
3 Indicates Signicance Level > 0.05

Number Of approach avoid Sessions:683 Number of Subjects:25

Number Of moral Sessions:582 Number of Subjects:29

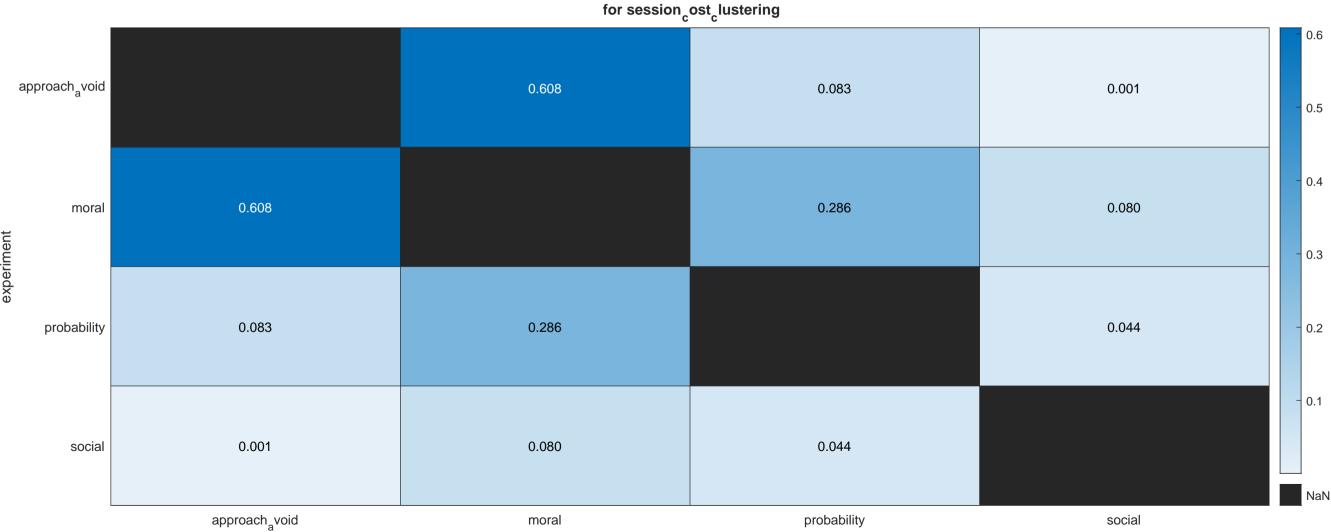
Number Of probability Sessions:628 Number of Subjects:29

Number Of social Sessions:617 Number of Subjects:27

Date Created:05-8-2024

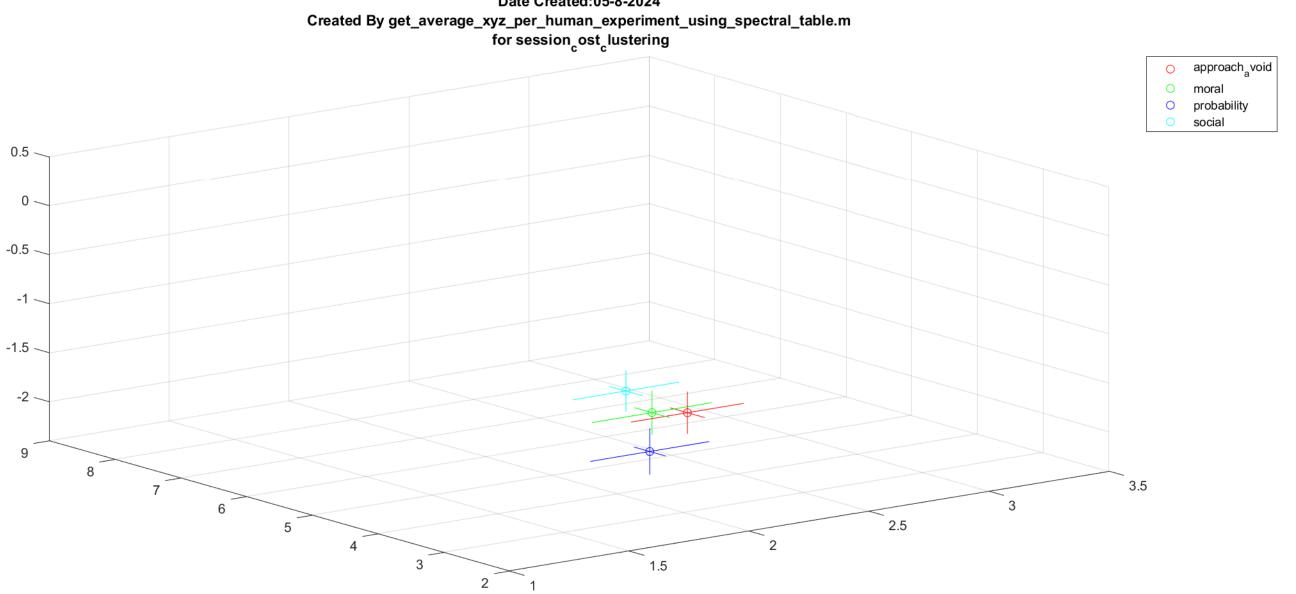
Created By create\_heat\_maps\_for\_chi\_squared\_significance.m

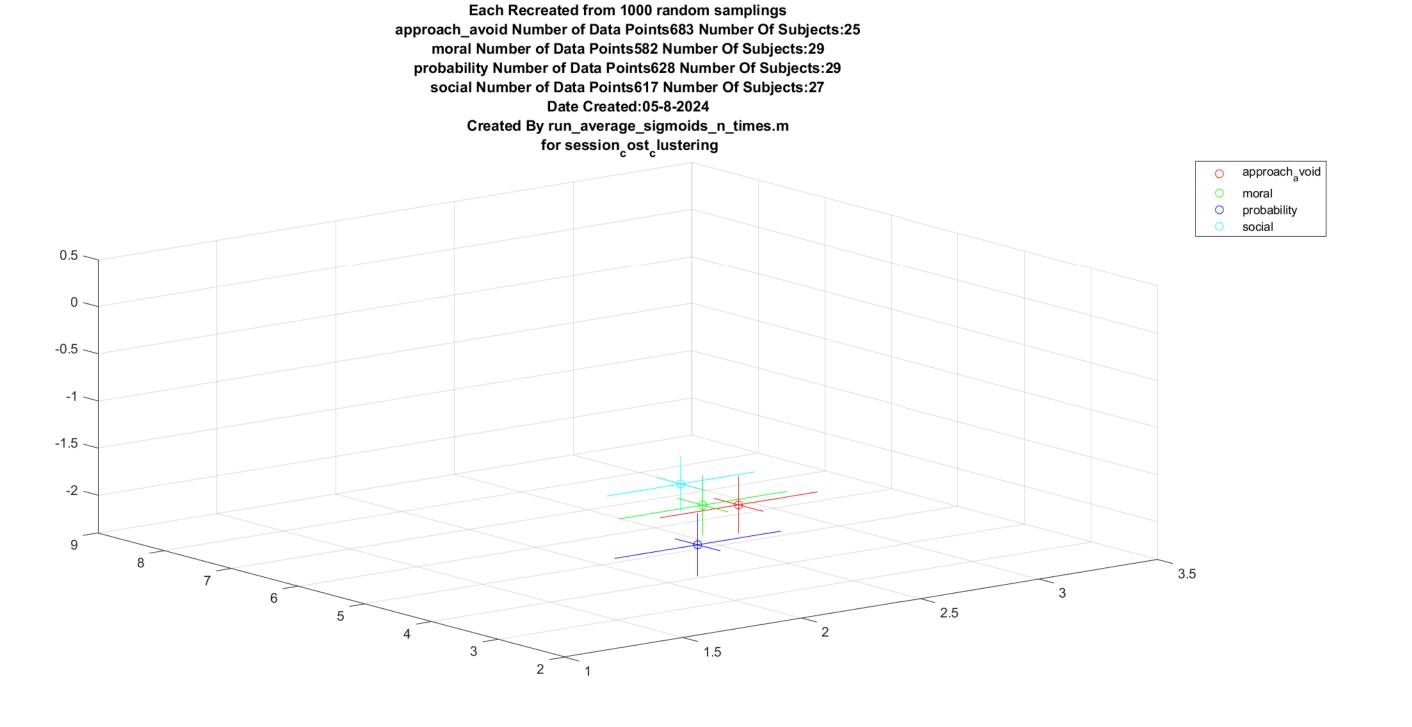
for session\_cost\_clustering



experiment

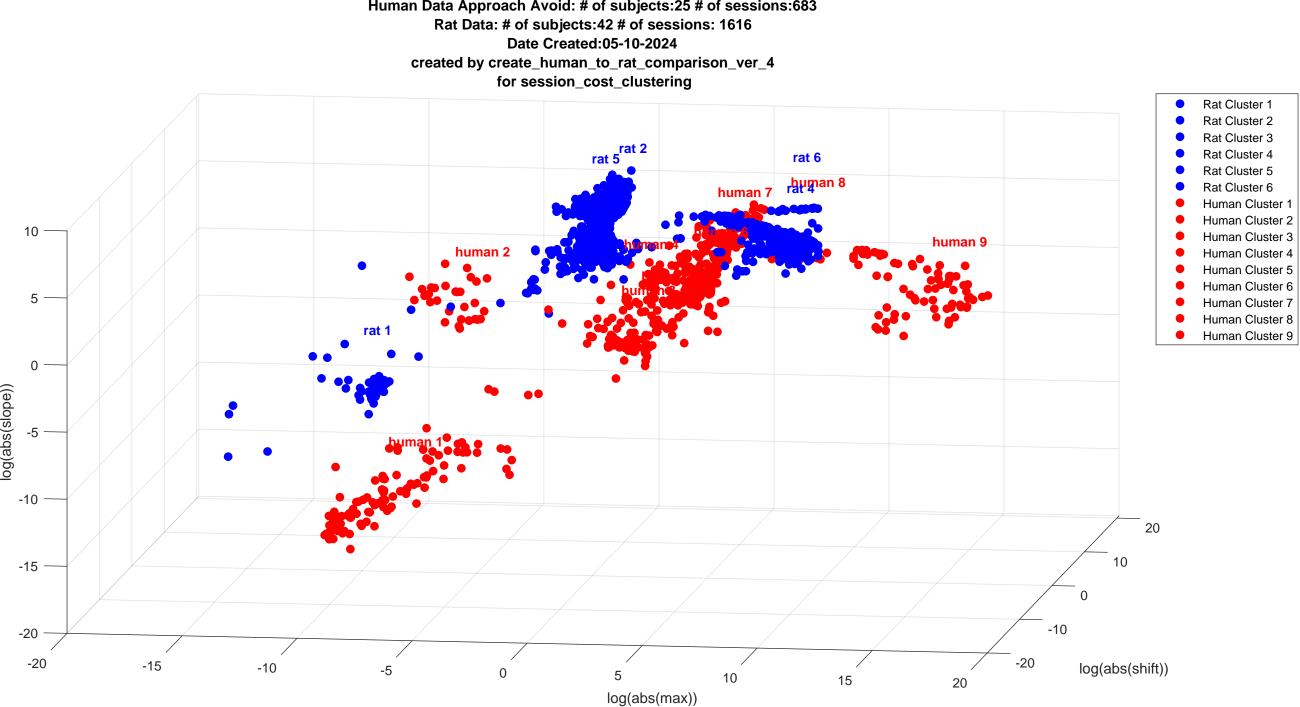
approach\_avoid Number of Data Points683 Number Of Subjects:25
moral Number of Data Points582 Number Of Subjects:29
probability Number of Data Points628 Number Of Subjects:29
social Number of Data Points617 Number Of Subjects:27
Date Created:05-8-2024
reated By get\_average\_xyz\_per\_human\_experiment\_using\_spectral\_table.m





moral Random Proportions: 0.05 0.13 0.01 0.1 0.05 0.08 0.24 0.22 0.11 True Proportions: 0.15 0.05 0.03 0.02 0.13 0.31 0.14 0.07 0.09 moral Number of Data Points582 Number Of Subjects:29 probability Random Proportions: 0.19 0.11 0.06 0.14 0.01 0.14 0.01 0.13 0.2 True Proportions: 0.17 0.04 0.03 0.03 0.12 0.32 0.17 0.04 0.09 probability Number of Data Points628 Number Of Subjects:29 social Random Proportions: 0.13 0.04 0.01 0.19 0.15 0.17 0.02 0.24 0.05 True Proportions: 0.13 0.06 0.03 0.05 0.15 0.31 0.16 0.05 0.06 social Number of Data Points617 Number Of Subjects:27 Date Created:05-8-2024 Created By recreate\_average\_xyz\_using\_different\_proportions.m for session ost lustering approachavoid moral probability social 0.5 -0.5 -1 -1.5 -2 -9 3.5 2.5 1.5

approach\_avoid Random Proportions: 0.14 0.11 0.1 0.09 0.09 0.14 0.13 0.12 0.07 True Proportions: 0.15 0.05 0.05 0.01 0.1 0.34 0.14 0.06 0.09 approach\_avoid Number of Data Points683 Number Of Subjects:25



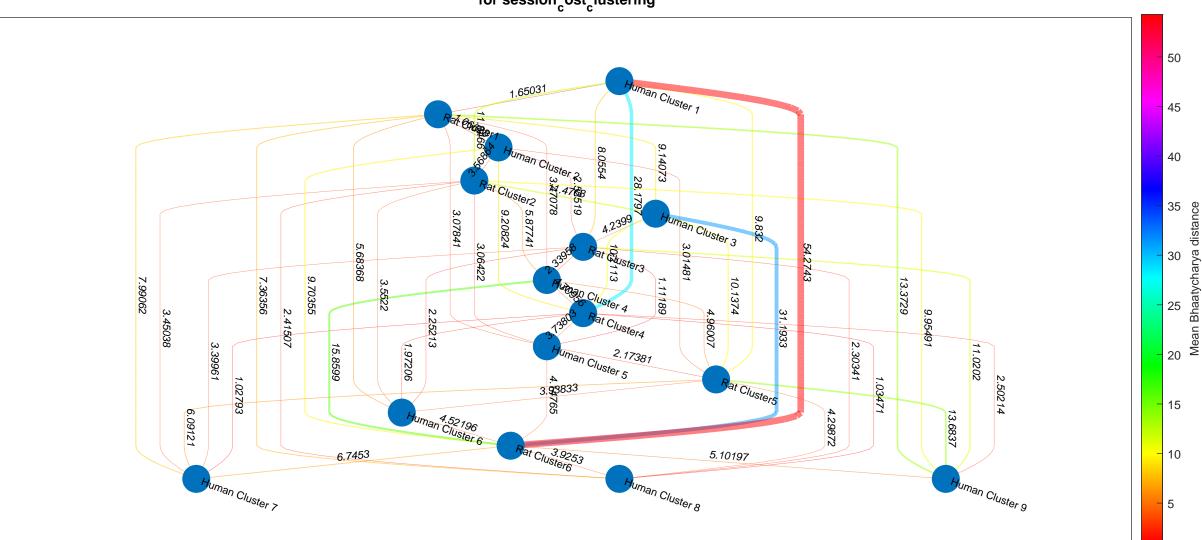
Mean Bhaatycharya Distance Map

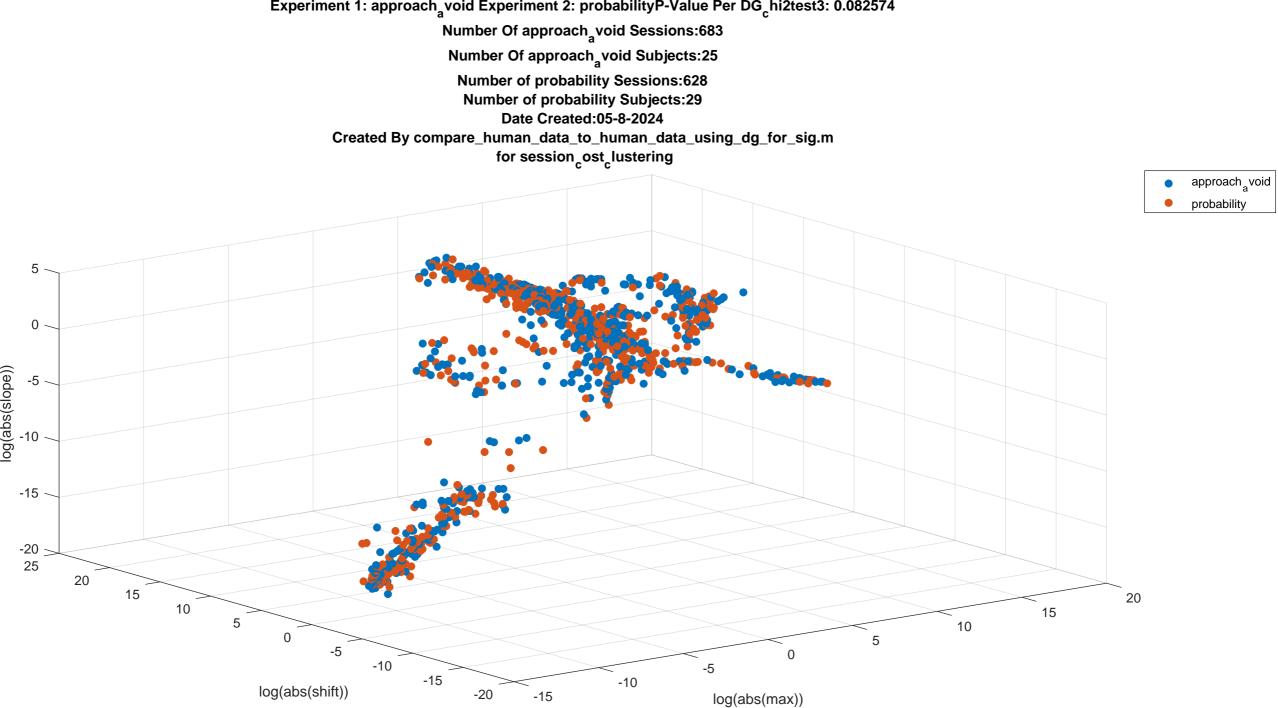
Number Of Human Approach Avoid Subjects: 25 Number of Human Approach Avoid Sessions: 683

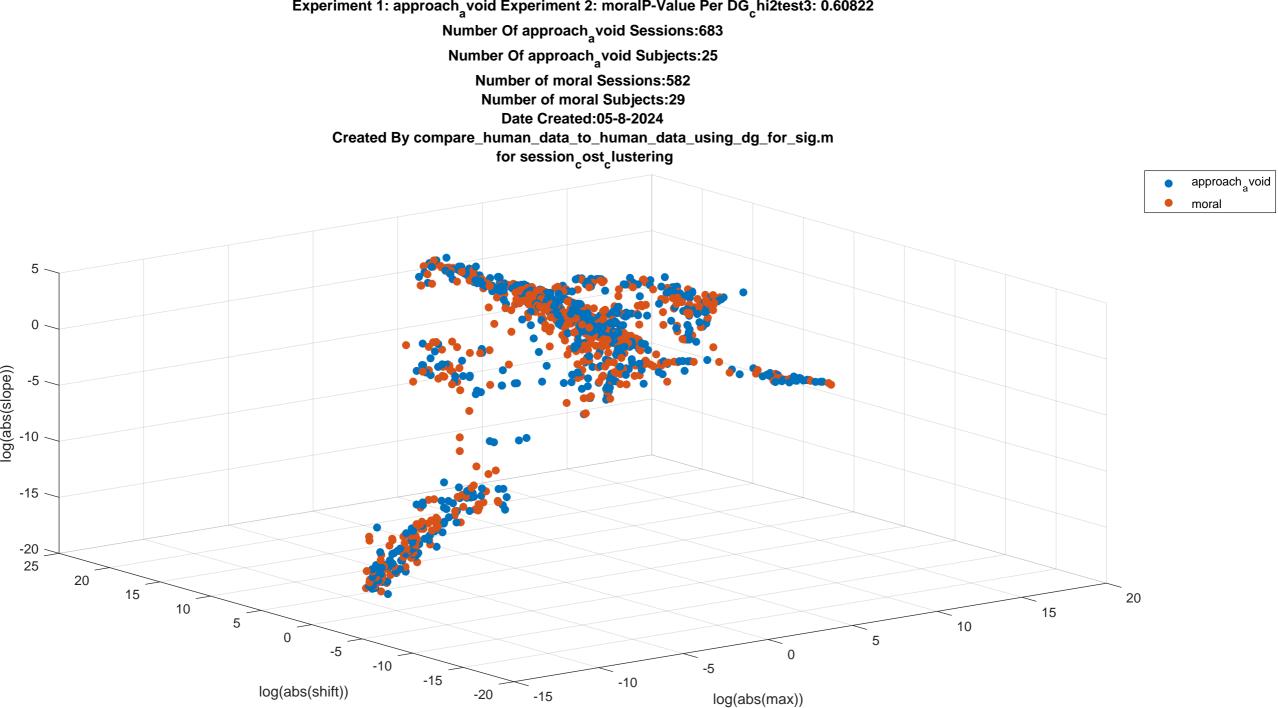
> Number Of Rat Subjects: 42 Number of Rat Sessions: 1616 Date Created:05-10-2024

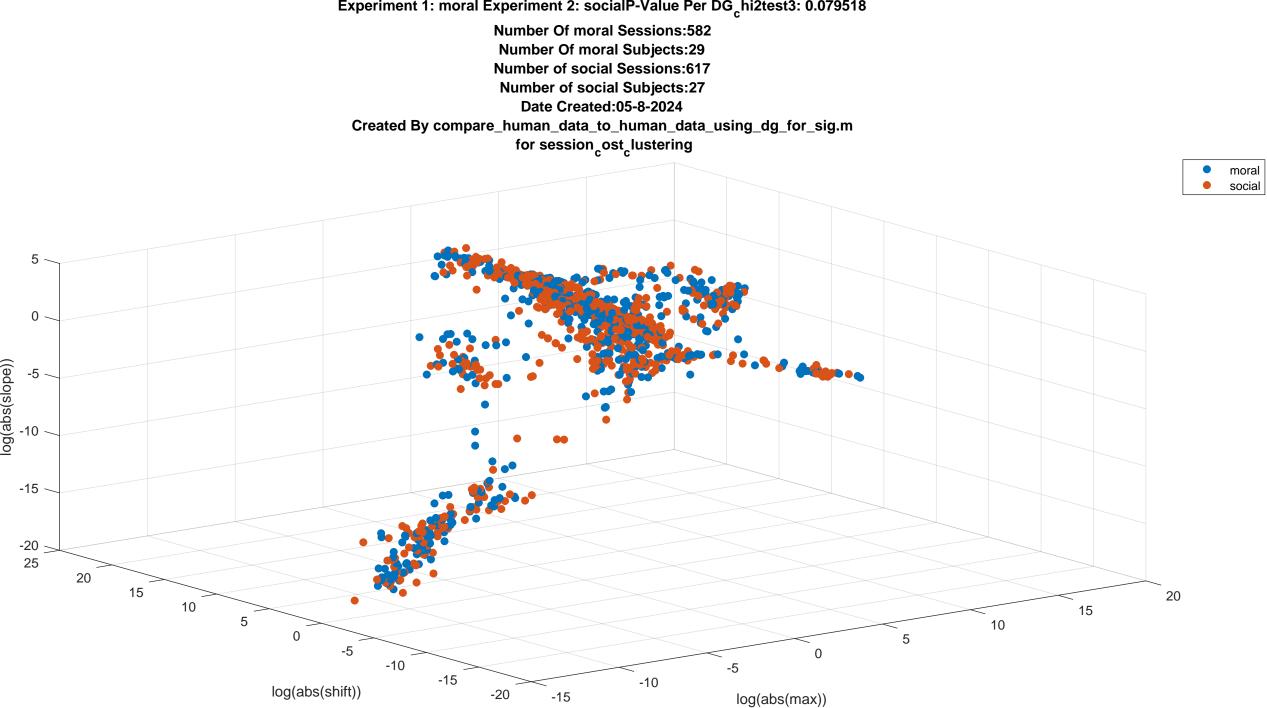
Created by create\_a\_bhaat\_dist\_tree\_comparing\_rat\_to\_human.m

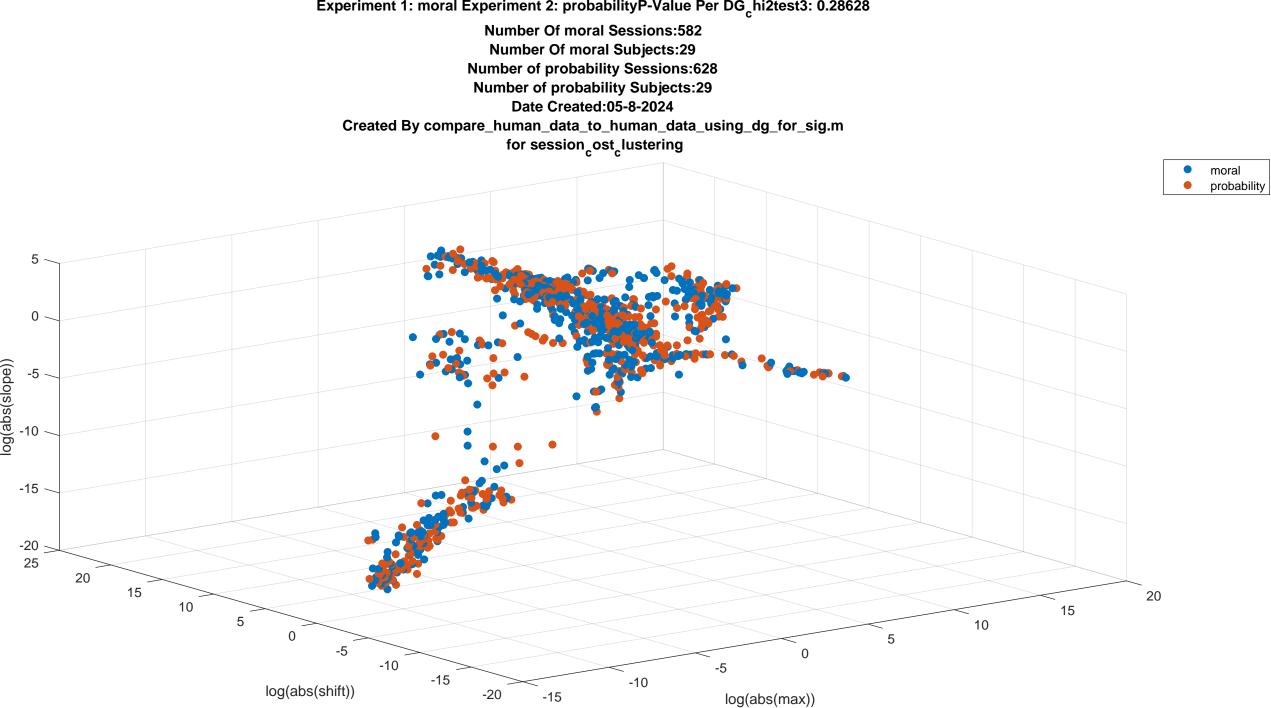
for session ost lustering

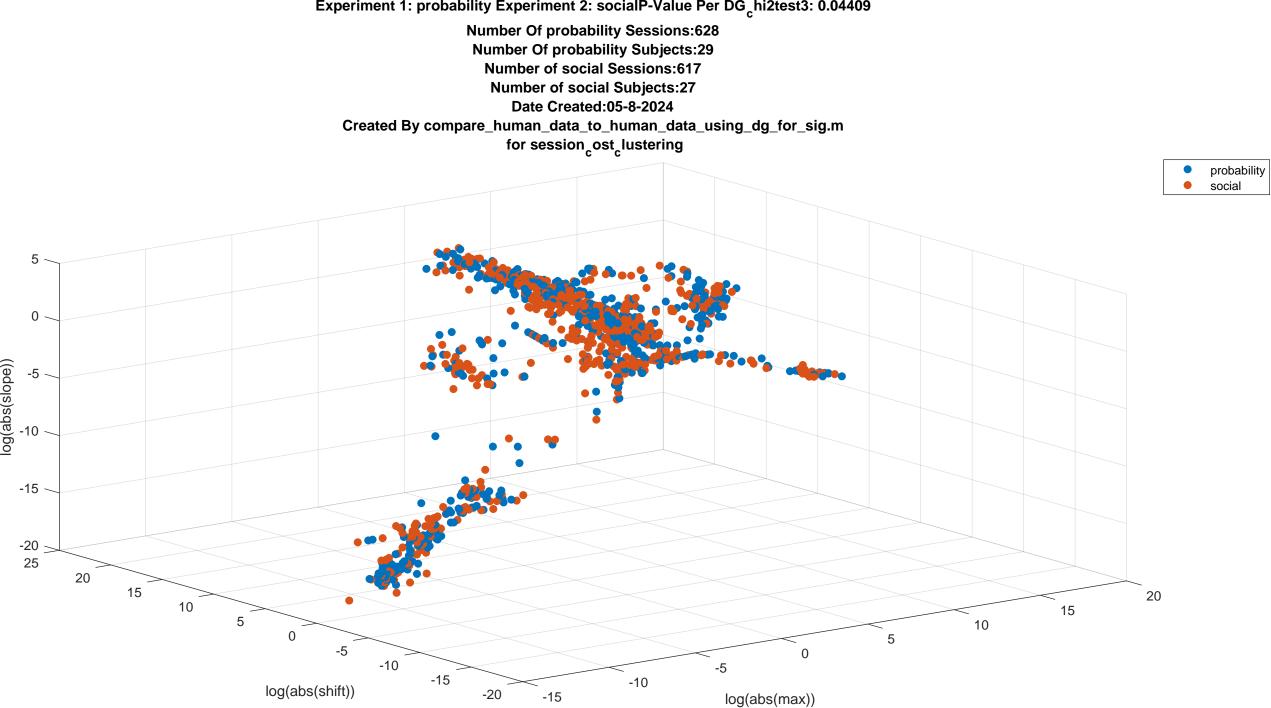












bhaat distance of log(abs(max)) Number Of Sessions:2510 Number Of approach avoid sessions:683 Number Of moral sessions:582 Number Of probability sessions:628 Number Of social sessions:617 Date Created:05-8-2024 Created By mask\_given\_data\_and\_create\_heat\_map.m for session\_ost\_lustering TO CODE OF THE PROPERTY OF THE 0.8 0.6 0.4 0.2 

bhaat distance of log(abs(shift)) Number Of Sessions:2510 Number Of approach avoid sessions:683 Number Of moral sessions:582 Number Of probability sessions:628 Number Of social sessions:617 Date Created:05-8-2024 Created By mask\_given\_data\_and\_create\_heat\_map.m for session\_ost\_lustering HOD CODE OF THE PROPERTY HOD CODE OF THE PROPE 0.8 0.6 0.4 0.2 44444444

bhaat distance of log(abs(slope)) Number Of Sessions:2510 Number Of approach avoid sessions:683 Number Of moral sessions:582 Number Of probability sessions:628 Number Of social sessions:617 Date Created:05-8-2024 Created By mask\_given\_data\_and\_create\_heat\_map.m for session\_ost\_lustering TO CODE OF THE PROPERTY OF THE 0.8 MMMMMM TOTOTOTOTOTS STATES 0.6 0.4 0.2 -UW4Y0V&0~UW4Y00V&0~UW4Y0V&0~UW4Y0V&0 

approach<sub>a</sub>void Vs probability P Value from dg<sub>c</sub>hi2test3 0.082574

Number Of approach<sub>a</sub> void Sessions:683

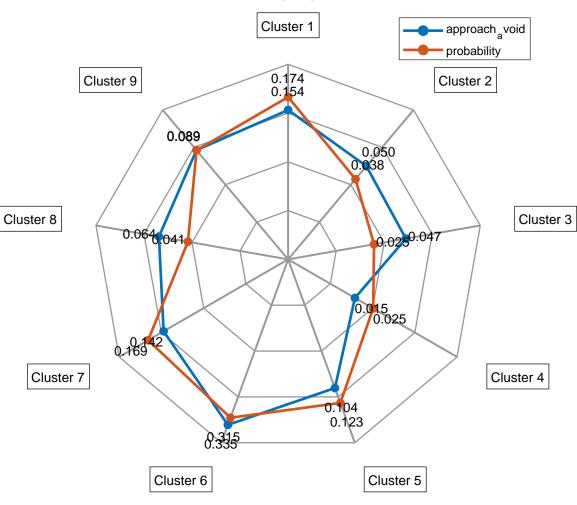
Number Of approach void Subjects:25

Number of probability Sessions:628

Number of probability Subjects:29

Date Created:05-10-2024

created by create\_spider\_plots\_with\_sig\_using\_dg for session\_cost\_lustering



**Number Of moral Sessions:582 Number Of moral Subjects:29 Number of social Sessions:617** Number of social Subjects:27 Date Created:05-10-2024 created by create\_spider\_plots\_with\_sig\_using\_dg for session ost lustering Cluster 1 moral social Cluster 9 0.153 Cluster 2 0.1350.091 0.053 0.060 Cluster 8 Cluster 3 0.0700.045 0.033 0.024 0.047 Cluster 7 Cluster 4 0.1320.154 0.309 Cluster 6 Cluster 5

moral Vs social P Value from dg hi2test3 0.079518

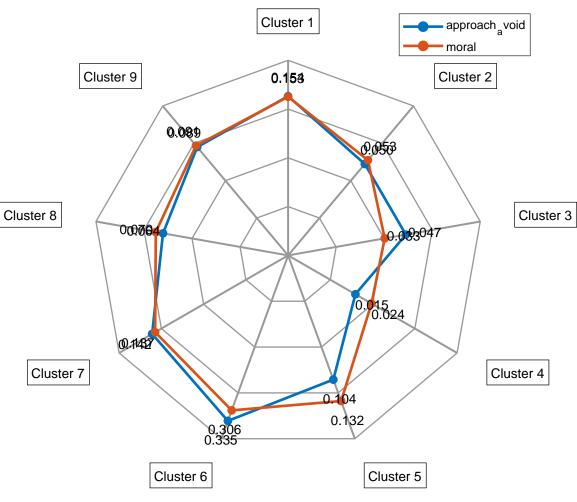
approach void Vs moral P Value from dg hi2test3 0.60822

Number Of approach<sub>a</sub> void Sessions:683

Number Of approach a void Subjects:25

Number of moral Sessions:582 **Number of moral Subjects:29** Date Created:05-10-2024

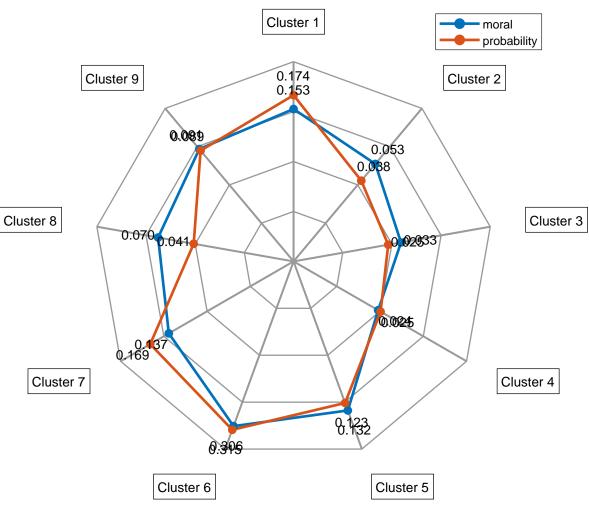
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moral Vs probability P Value from dg hi2test3 0.28628

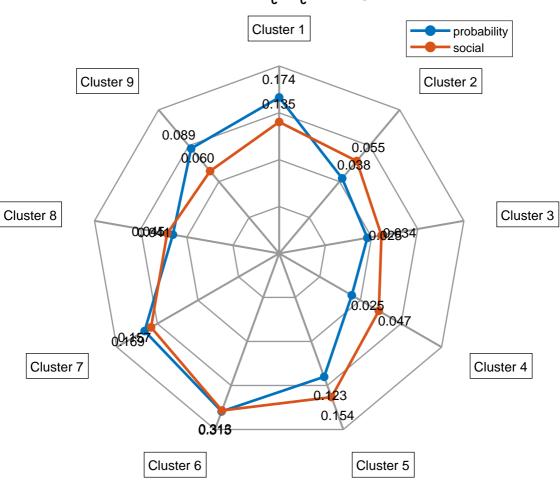
Number Of moral Sessions:582 Number Of moral Subjects:29 Number of probability Sessions:628 Number of probability Subjects:29 Date Created:05-10-2024

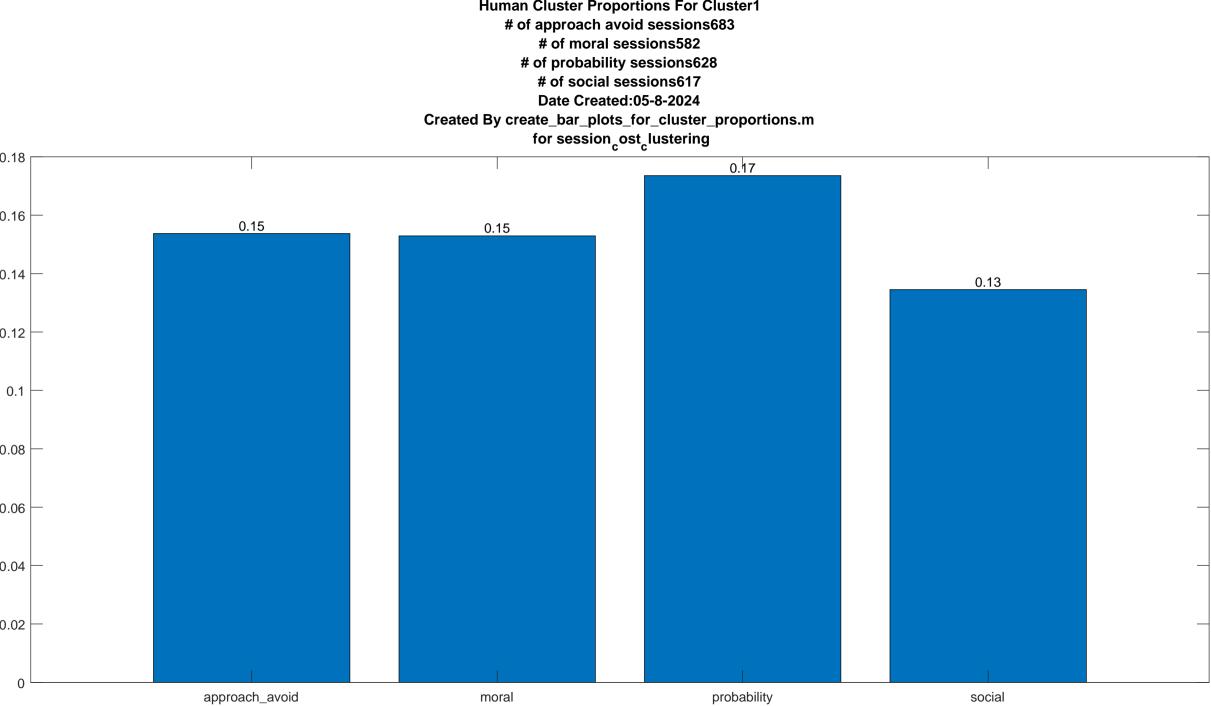
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for session\_cost\_lustering

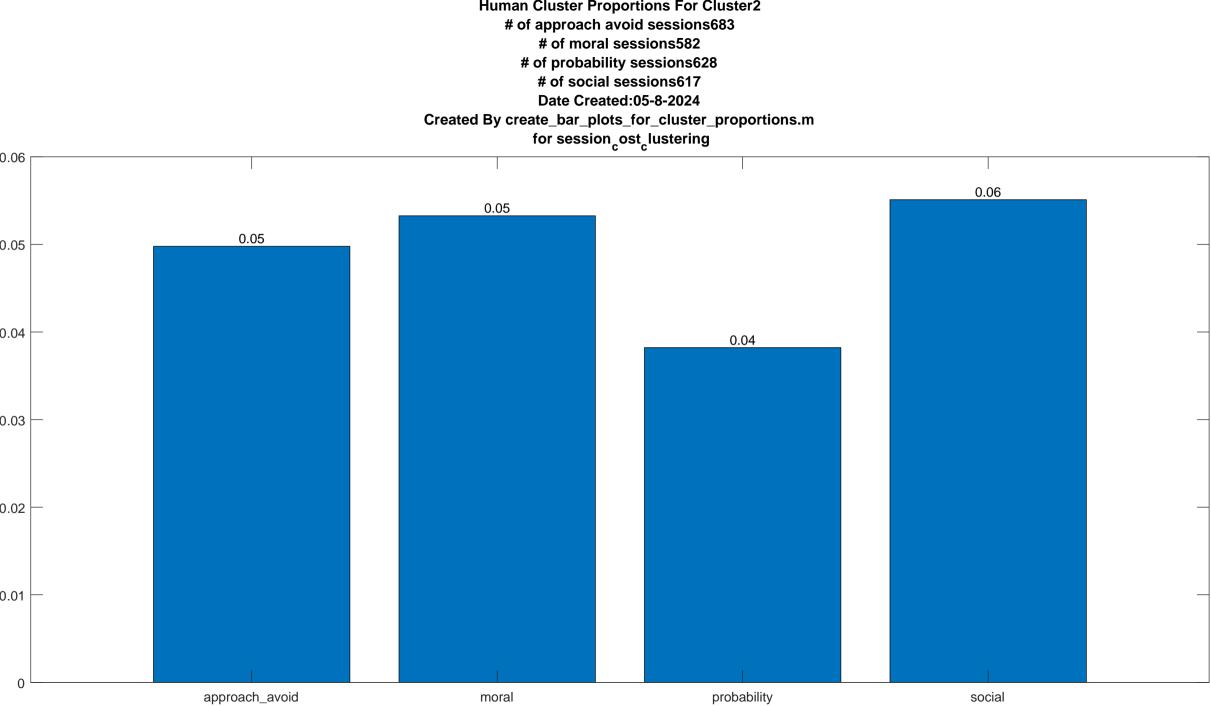


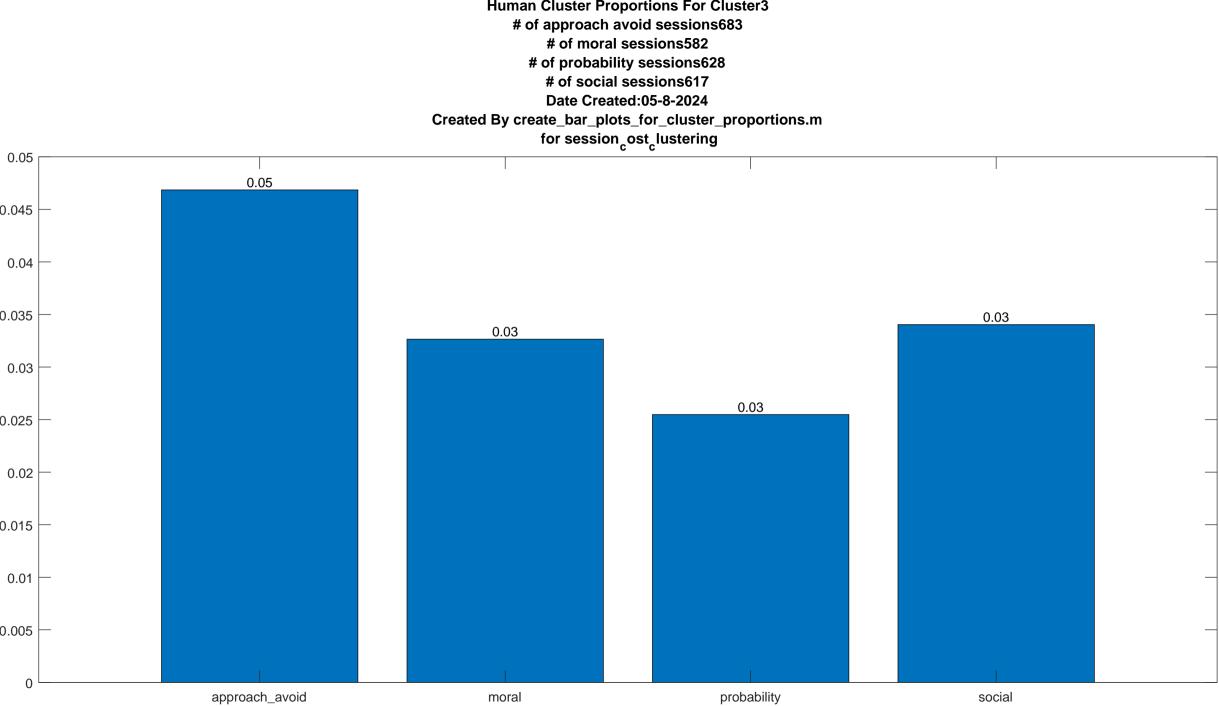
probability Vs social P Value from dg hi2test3 0.04409

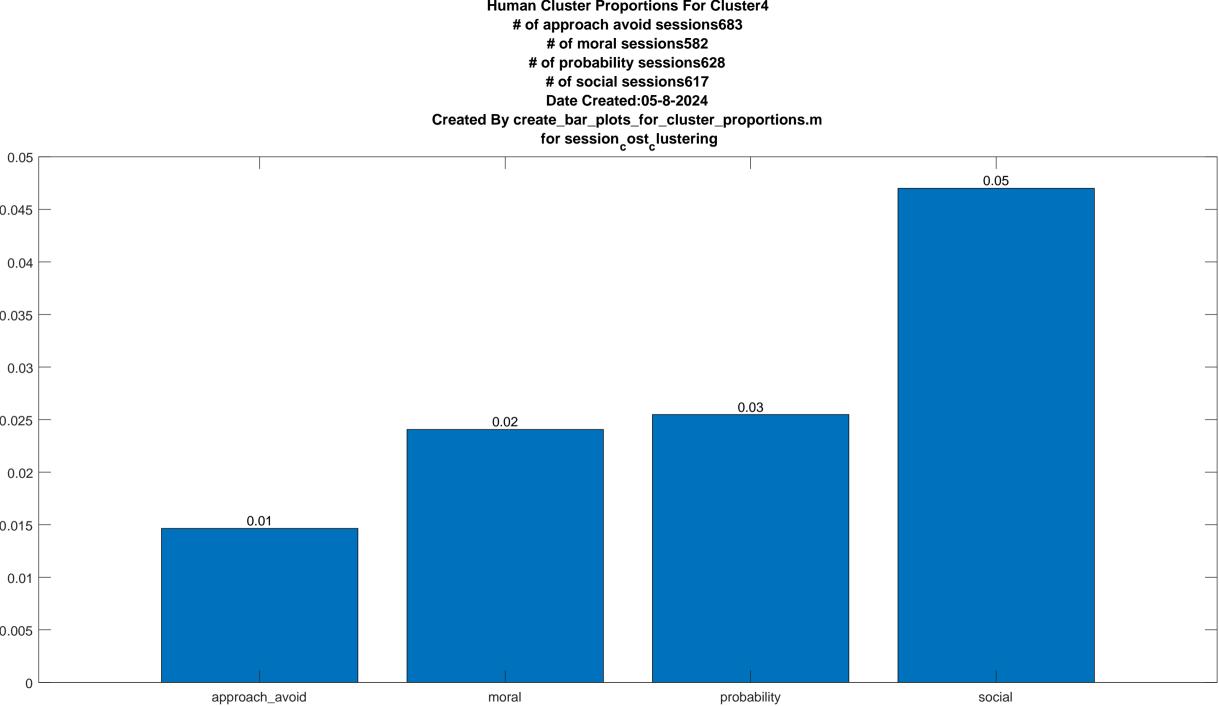
Number Of probability Sessions:628
Number Of probability Subjects:29
Number of social Sessions:617
Number of social Subjects:27
Date Created:05-10-2024
created by create\_spider\_plots\_with\_sig\_using\_dg
for session\_cost\_lustering

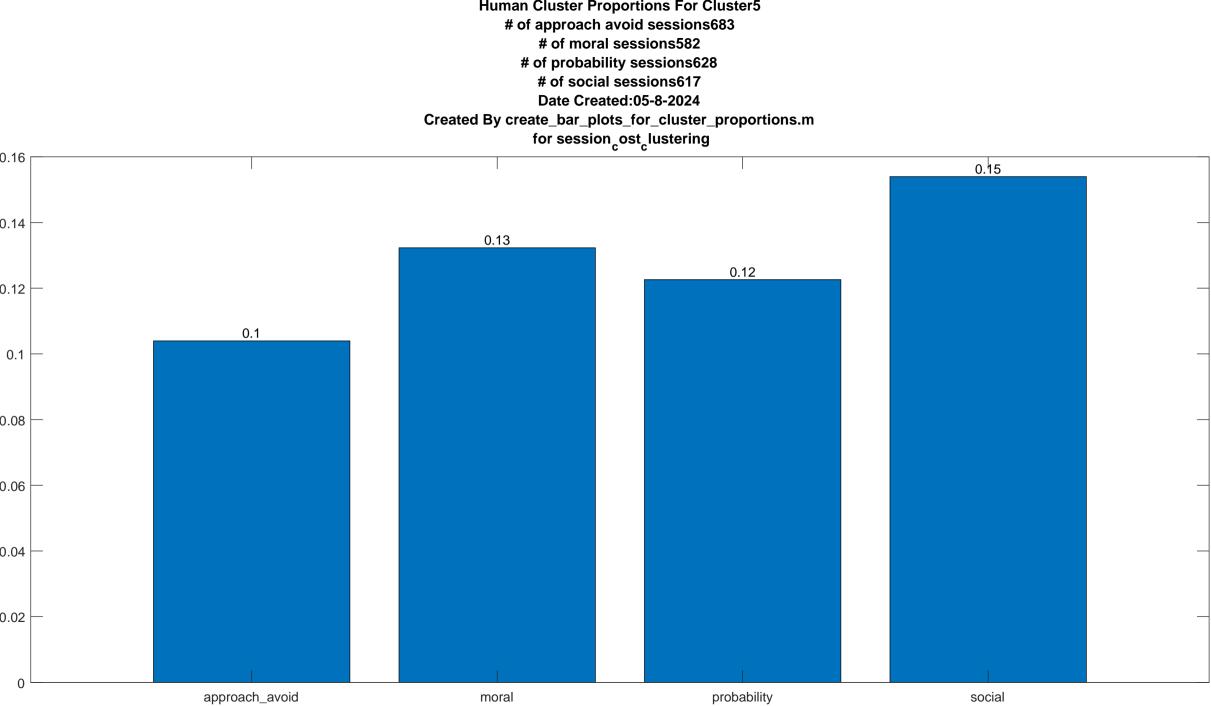


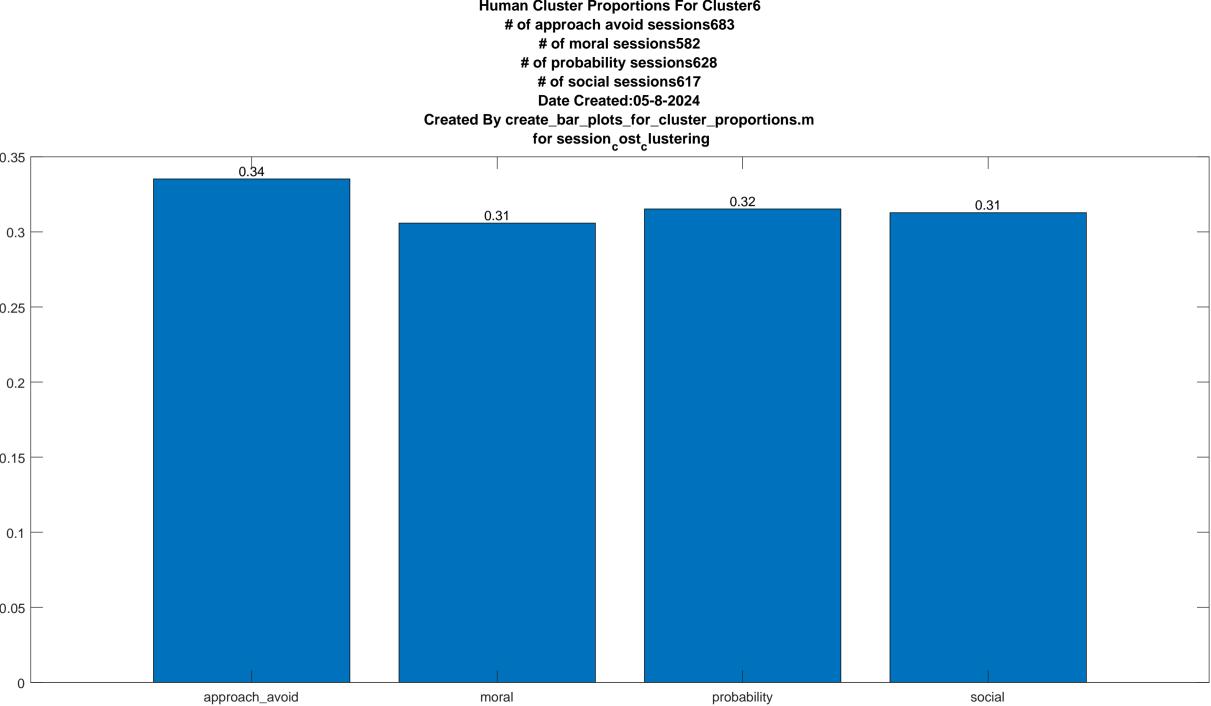


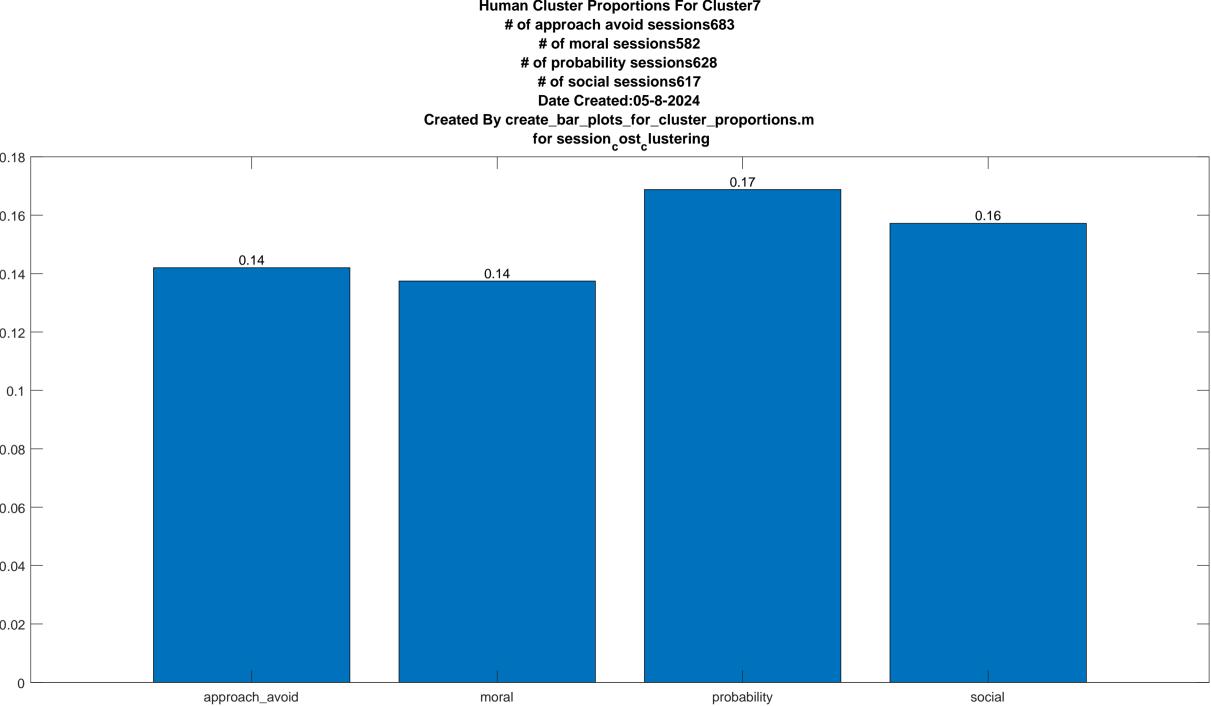


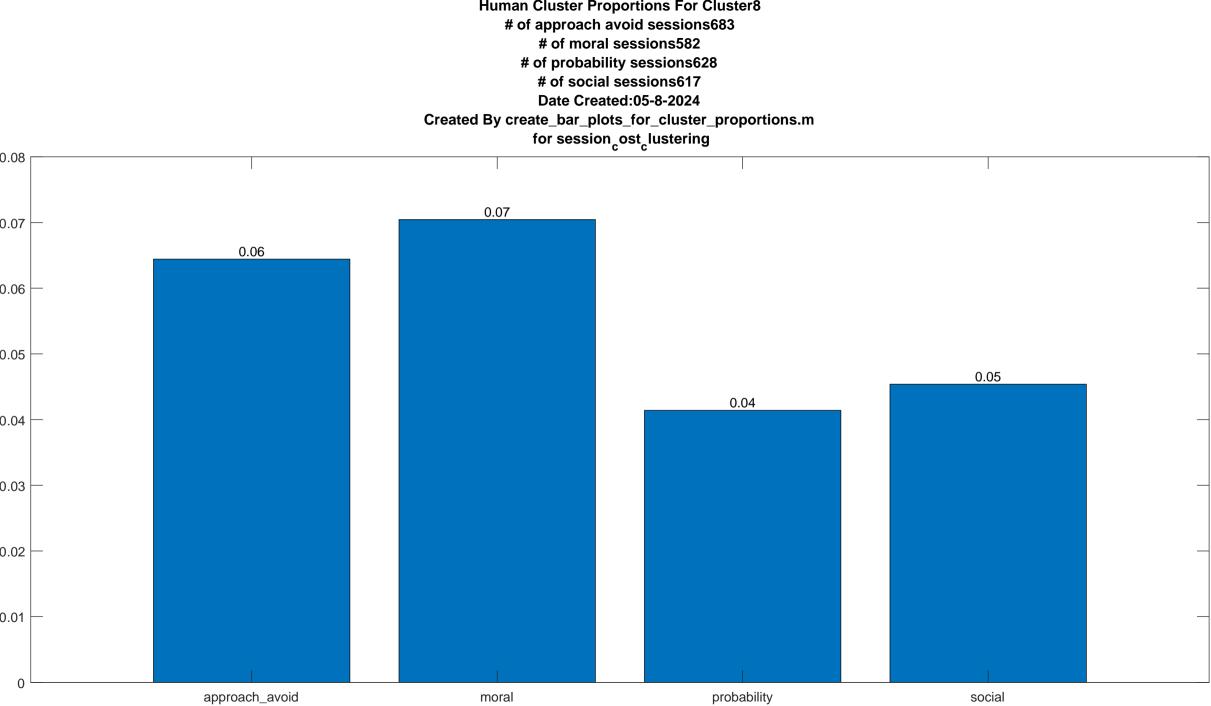


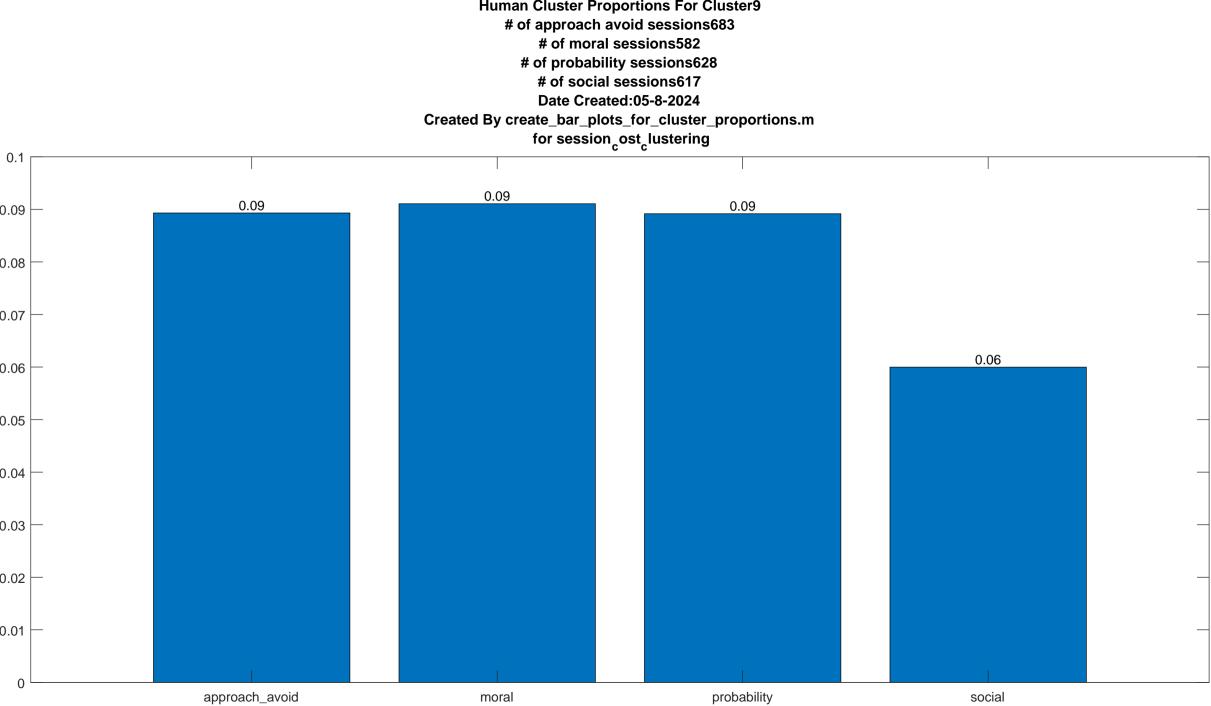












probability Number of Data Points628 Number Of Subjects:29 social Number of Data Points617 Number Of Subjects:27 Created Using weighted means of each cluster Date Created:05-10-2024 Created By get\_average\_xyz\_per\_human\_experiment\_using\_table\_and\_weights\_2.m  ${\rm for\ session}_{\rm c}{\rm ost}_{\rm c}{\rm lustering}$ approach<sub>a</sub>void moral probability social -1 -1.2 -1.4 -1.6 -1.8 -2 --2.2 <sub>></sub> 4.3 4.2 4.1 2.4 2.3 3.9 2.2 3.8 2.1 3.7 2 3.6 1.9 3.5 1.8 1.7 3.4

approach\_avoid Number of Data Points683 Number Of Subjects:25 moral Number of Data Points582 Number Of Subjects:29

probability Number of Data Points29 Number Of Subjects:29 social Number of Data Points27 Number Of Subjects:27 Created Using weighted means of each cluster Date Created:05-10-2024 Created By get\_average\_xyz\_per\_human\_exp\_using\_non\_sig\_diff\_data.m  ${\rm for\ session}_{\rm c}{\rm ost}_{\rm c}{\rm lustering}$ approach<sub>a</sub>void moral probability social -0.8 -1 -1.2 ~ -1.4 -1.6 -1.8 -2 -2.2 ~ -2.4 <sub>></sub> 4.4 4.2 2.6 2.5 2.4 2.3 3.8 2.2 2.1 3.6 2 1.9 3.4 1.8 1.7 1.6 3.2

approach\_avoid Number of Data Points25 Number Of Subjects:25 moral Number of Data Points29 Number Of Subjects:29

## Significant Change In Means Determined using ttest2 log(abs(max)) # of approach avoid sessions683 # of moral sessions582 # of probability sessions628 # of social sessions617 Date Created:05-8-2024 **Created By create\_heat\_maps\_for\_significance.m** ${\rm for\ session}_{\rm c}{\rm ost}_{\rm c}{\rm lustering}$

0.9

0.8

0.7

0.6

0.4

0.3

0.2

0.1

cluster 1	0.340	0.689	0.230	0.575	0.790	0.415	
cluster 2	0.503	0.929	0.555	0.473	0.930	0.524	
cluster 3	0.701	0.382	0.568	0.483	0.828	0.610	
cluster 4	0.902	0.626	0.481	0.504	0.344	0.855	_
cluster 5	0.344	0.001	0.199	0.009	0.705	0.027	-
cluster 6	0.038	0.089	0.094	0.000	0.828	0.001	-
cluster 7	0.002	0.075	0.030	0.127	0.329	0.604	-
cluster 8	0.886	0.596	0.580	0.683	0.667	0.986	-
cluster 9	0.742	0.780	0.775	0.579	0.585	0.985	_
	approach <sub>a</sub> void->moral	approach <sub>a</sub> void->probability	approach <sub>a</sub> void->social	moral->probability	moral->social	probability->social	

## Significant Change In Means Determined using ttest2 log(abs(shift)) # of approach avoid sessions683 # of moral sessions582 # of probability sessions628 # of social sessions617 Date Created:05-8-2024 Created By create\_heat\_maps\_for\_significance.m for session\_cost\_clustering 0.625 0.804

_	for session ost lustering							
cluster 1	0.902	0.599	0.625	0.804	0.843	0.952	- 0.9	
cluster 2	0.016	0.835	0.248	0.019	0.084	0.325	- 0.8	
cluster 3	0.590	0.781	0.534	0.839	0.957	0.793	- 0.7	
cluster 4	0.949	0.297	0.747	0.350	0.702	0.361	- 0.6	
cluster 5	0.956	0.245	0.827	0.217	0.779	0.297	- 0.5	
cluster 6	0.437	0.804	0.258	0.303	0.077	0.365	- 0.4	
cluster 7	0.623	0.731	0.344	0.869	0.159	0.193	- 0.3	
cluster 8	0.927	0.892	0.898	0.966	0.847	0.813	- 0.2	
cluster 9	0.588	0.041	0.904	0.115	0.709	0.086	- 0.1	

moral->probability

moral->social

probability->social

approach<sub>a</sub>void->social

approach<sub>a</sub>void->probability

approach<sub>a</sub>void->moral

Significant Change In Means Determined using ttest2 log(abs(slope)) # of approach avoid sessions683 # of moral sessions582 # of probability sessions628 # of social sessions617 Date Created:05-8-2024 **Created By create\_heat\_maps\_for\_significance.m** for session ost lustering

_			c	c			. —
cluster 1	0.121	0.846	0.165	0.076	0.881	0.108	- 0.9
cluster 2	0.786	0.673	0.646	0.551	0.474	0.904	0.8
cluster 3	0.412	0.835	0.240	0.443	0.172	0.433	0.7
cluster 4	0.426	0.862	0.421	0.532	0.091	0.321	0.6
cluster 5	0.224	0.243	0.048	0.942	0.415	0.369	0.5
cluster 6	0.064	0.219	0.314	0.494	0.007	0.031	0.4
cluster 7	0.117	0.387	0.318	0.013	0.012	0.839	0.3
cluster 8	0.487	0.880	0.807	0.444	0.397	0.932	0.2
cluster 9	0.752	0.079	0.943	0.026	0.816	0.071	0.1
	approach <sub>a</sub> void->moral	approach <sub>a</sub> void->probability	approach <sub>a</sub> void->social	moral->probability	moral->social	probability->social	

Significant Change In Variances using vartest2 log(abs(max)) # of approach avoid sessions683 # of moral sessions582 # of probability sessions628 # of social sessions617 Date Created:05-8-2024 **Created By create\_heat\_maps\_for\_significance.m**  ${\rm for\ session}_{\rm c}{\rm ost}_{\rm c}{\rm lustering}$ 0.891 0.671

0.9

0.8

0.7

0.6

0.5

0.4

0.3

0.2

0.1

cluster 1	0.929	0.726	0.891	0.671	0.829	0.849	- (
cluster 2	0.204	0.919	0.367	0.204	0.692	0.354	- (
cluster 3	0.026	0.018	0.017	0.745	0.938	0.795	- (
cluster 4	0.925	0.358	0.267	0.263	0.166	0.937	- (
cluster 5	0.074	0.075	0.394	0.994	0.295	0.299	_ (
cluster 6	0.001	0.006	0.446	0.513	0.000	0.001	_
cluster 7	0.004	0.169	0.018	0.110	0.555	0.296	- (
cluster 8	0.811	0.694	0.875	0.854	0.956	0.827	- (
cluster 9	0.516	0.248	0.860	0.632	0.694	0.411	_ (
l '	approach <sub>a</sub> void->moral	approach <sub>a</sub> void->probability	approach <sub>a</sub> void->social	moral->probability	moral->social	probability->social	

Significant Change In Variances using vartest2 log(abs(shift)) # of approach avoid sessions683 # of moral sessions582 # of probability sessions628 # of social sessions617 Date Created:05-8-2024 **Created By create\_heat\_maps\_for\_significance.m**  ${\rm for\ session}_{\rm c}{\rm ost}_{\rm c}{\rm lustering}$ 

0.9

0.8

0.7

0.6

0.5

0.4

0.3

0.2

0.1

cluster 1	0.000	0.095	0.397	0.000	0.000	0.017	- c
cluster 2	0.059	0.217	0.019	0.607	0.694	0.371	<b>-</b> 0
cluster 3	0.335	0.607	0.335	0.730	0.979	0.743	- (
cluster 4	0.072	0.507	0.504	0.150	0.078	0.948	- (
cluster 5	0.905	0.218	0.880	0.255	0.979	0.240	- (
cluster 6	0.399	0.228	0.039	0.751	0.006	0.002	- (
cluster 7	0.875	0.786	0.701	0.677	0.835	0.507	- (
cluster 8	0.303	0.961	0.974	0.358	0.387	0.942	- (
cluster 9	0.297	0.993	0.639	0.310	0.648	0.649	
	approach <sub>a</sub> void->moral	approach <sub>a</sub> void->probability	approach <sub>a</sub> void->social	moral->probability	moral->social	probability->social	

Significant Change In Variances using vartest2 log(abs(slope)) # of approach avoid sessions683 # of moral sessions582 # of probability sessions628 # of social sessions617 Date Created:05-8-2024 Created By create\_heat\_maps\_for\_significance.m for session ost lustering 0.651 0.931 0.171 0.204 0.010 0.025 0.019 0.608 0.871 0.759

0.9

0.8

0.7

0.6

0.5

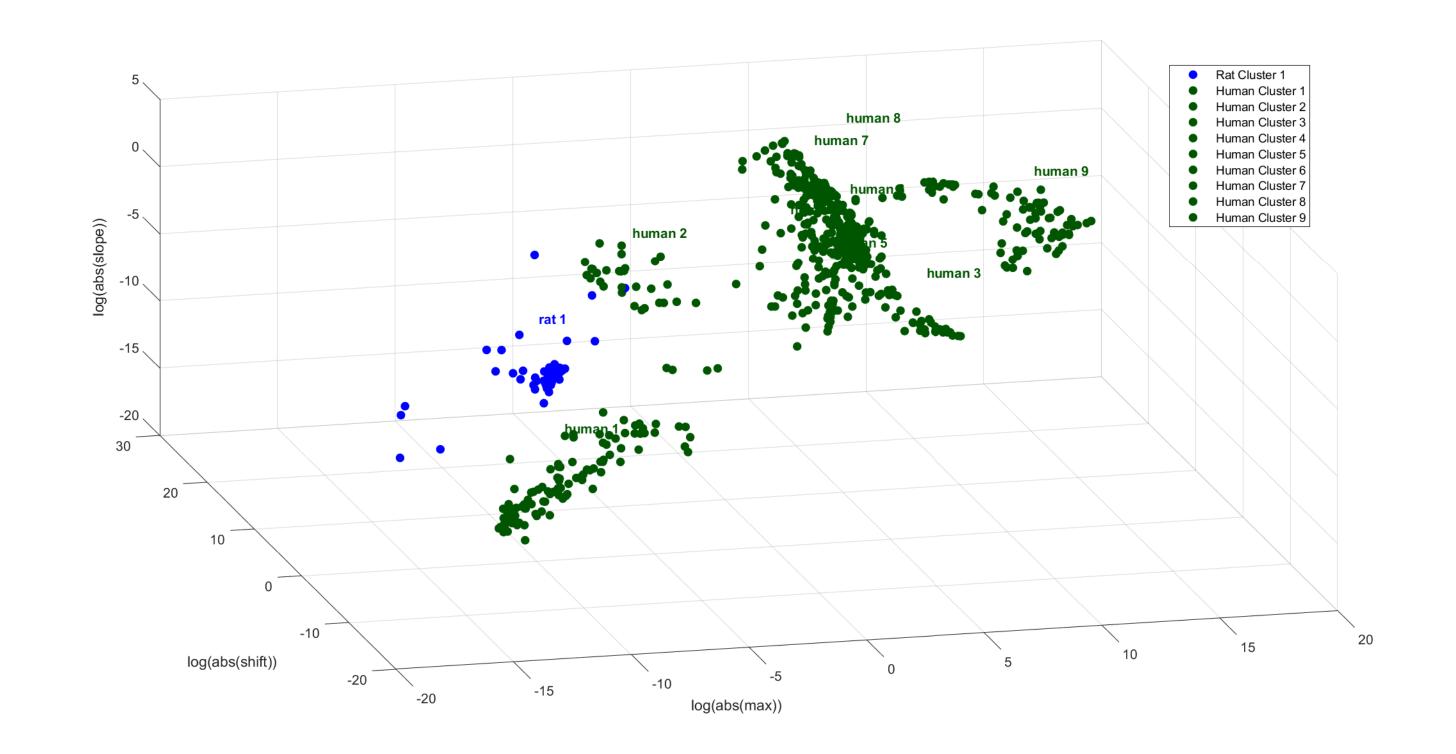
0.4

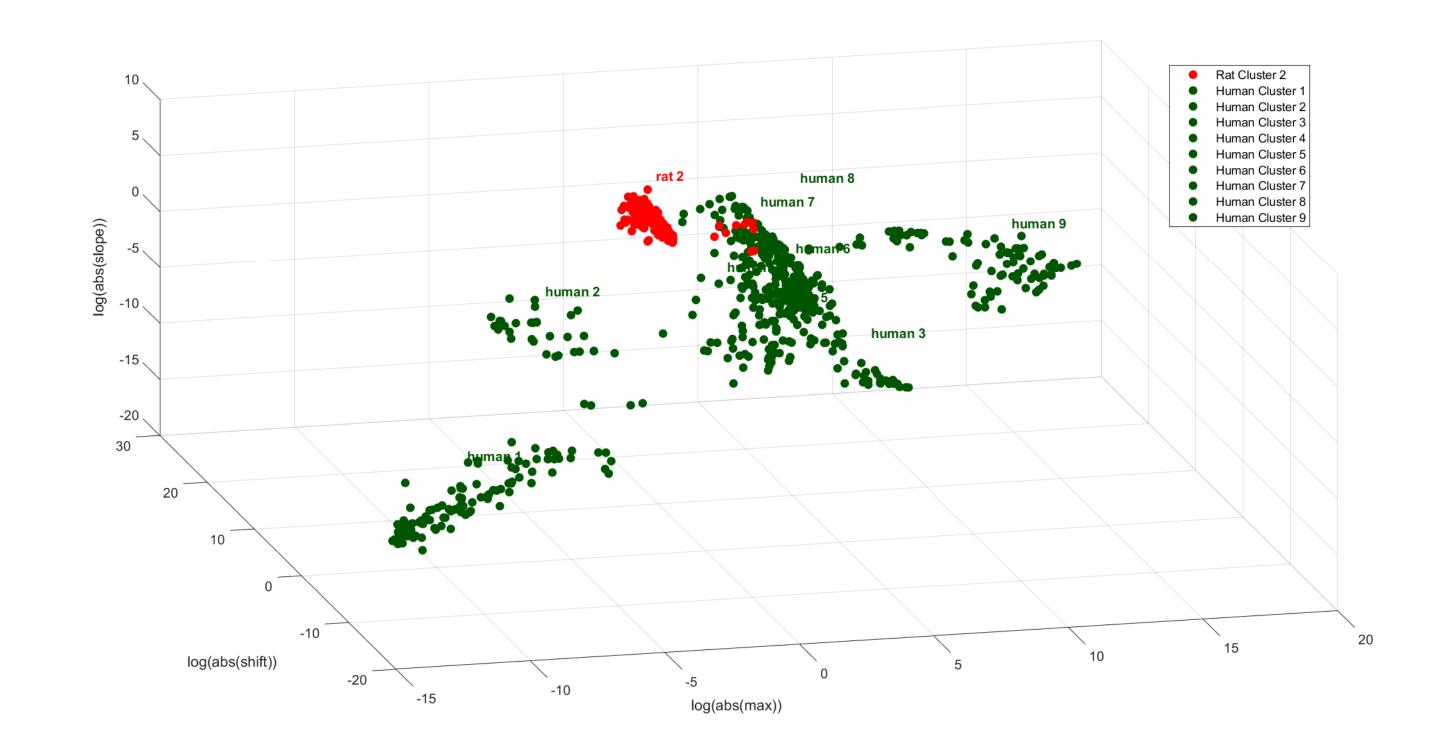
0.3

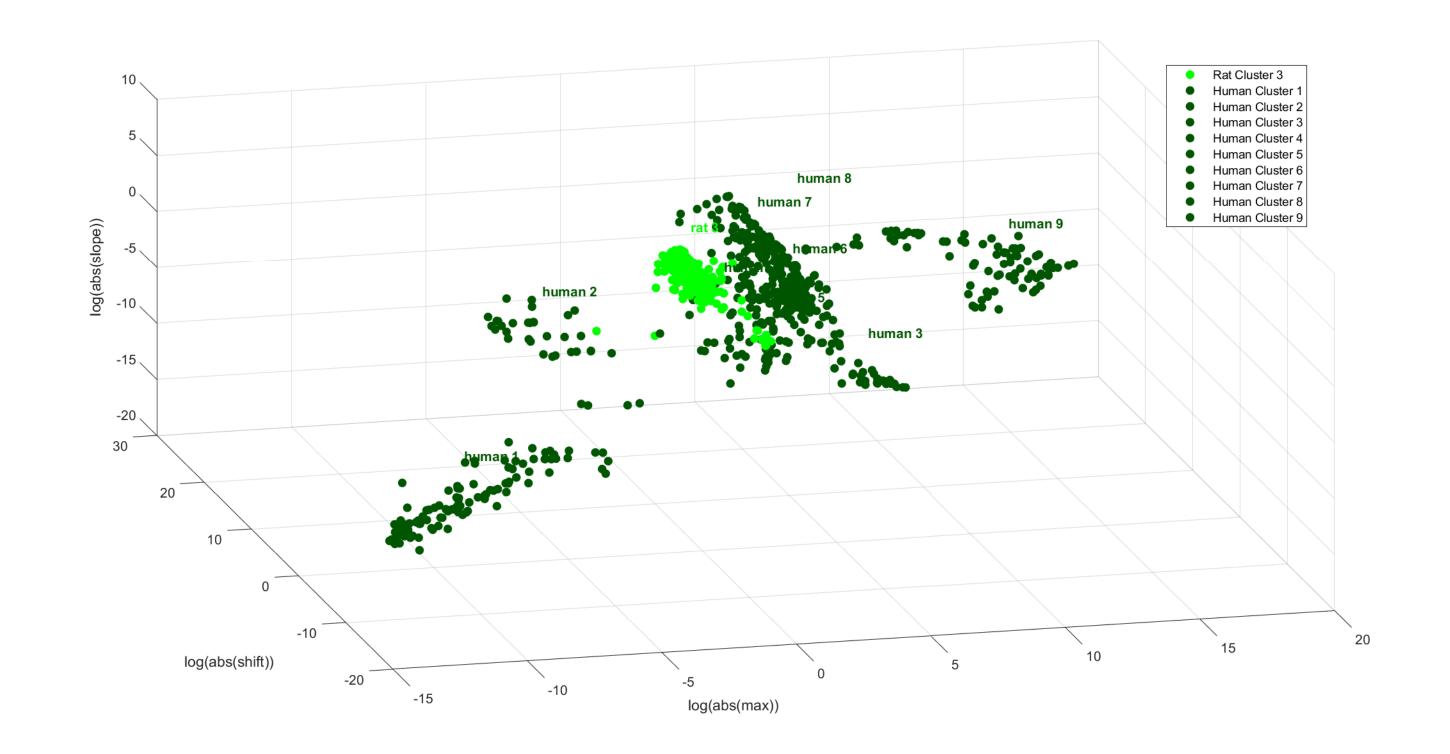
0.2

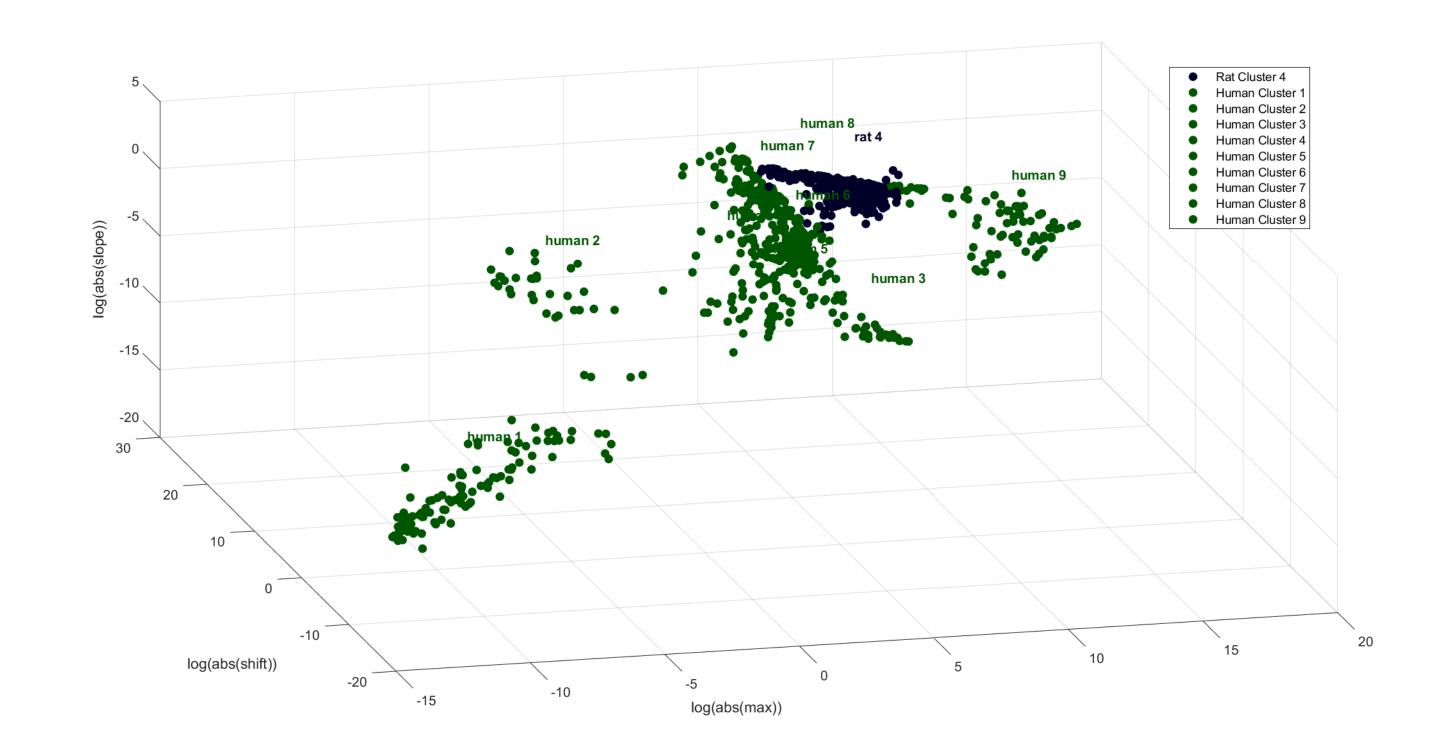
0.1

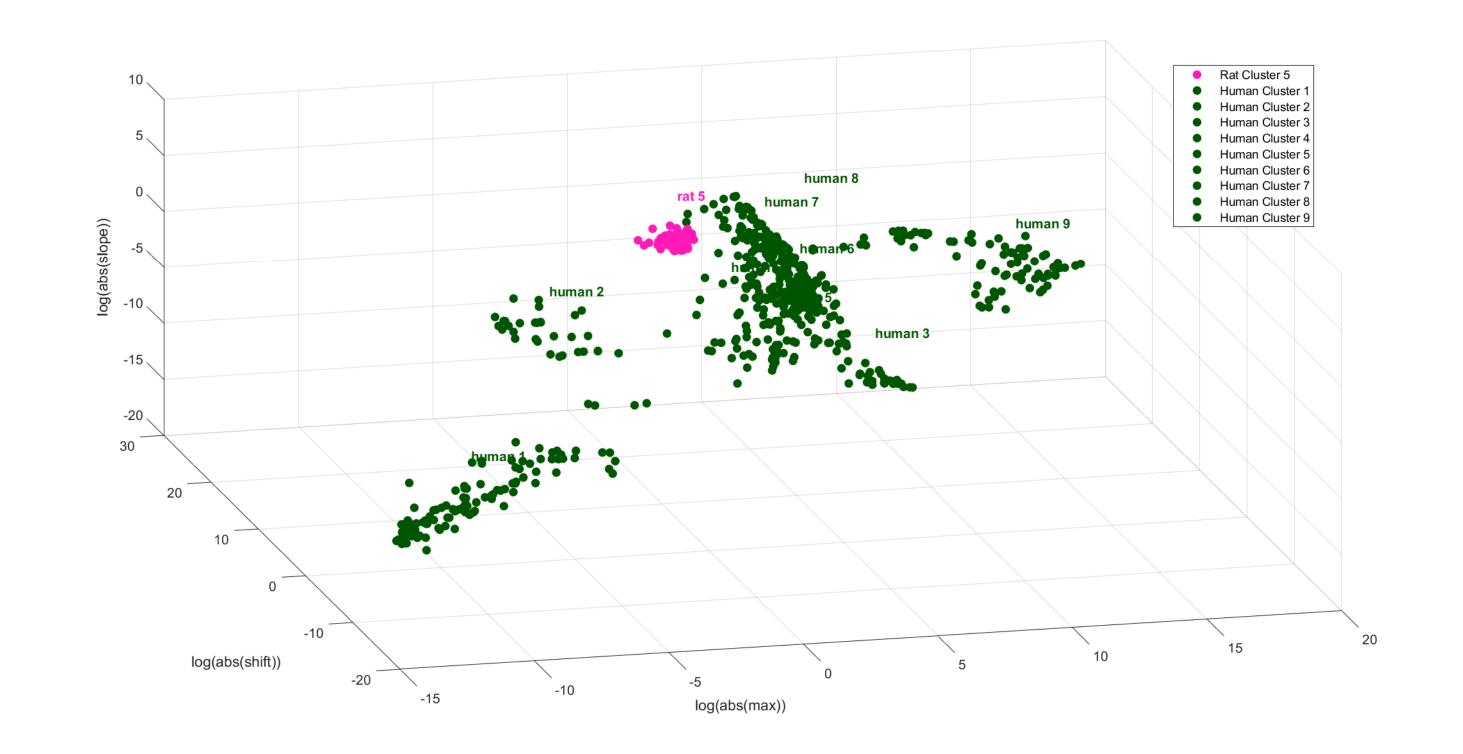
0.862 0.785 0.785 0.841 cluster 1 0.499 0.053 0.045 0.001 cluster 2 cluster 3 0.006 0.937 0.828 0.037 0.002 0.005 0.116 cluster 4 0.315 cluster 5 0.530 0.353 0.402 0.247 0.708 0.617 0.754 0.405 0.948 0.434 cluster 6 0.254 0.095 0.369 0.006 0.046 0.454 cluster 7 0.740 0.994 cluster 8 0.809 0.839 0.588 0.635 0.165 0.120 0.177 0.889 0.907 0.994 cluster 9 approach void->moral approach avoid->probability approach void->social probability->social moral->probability moral->social

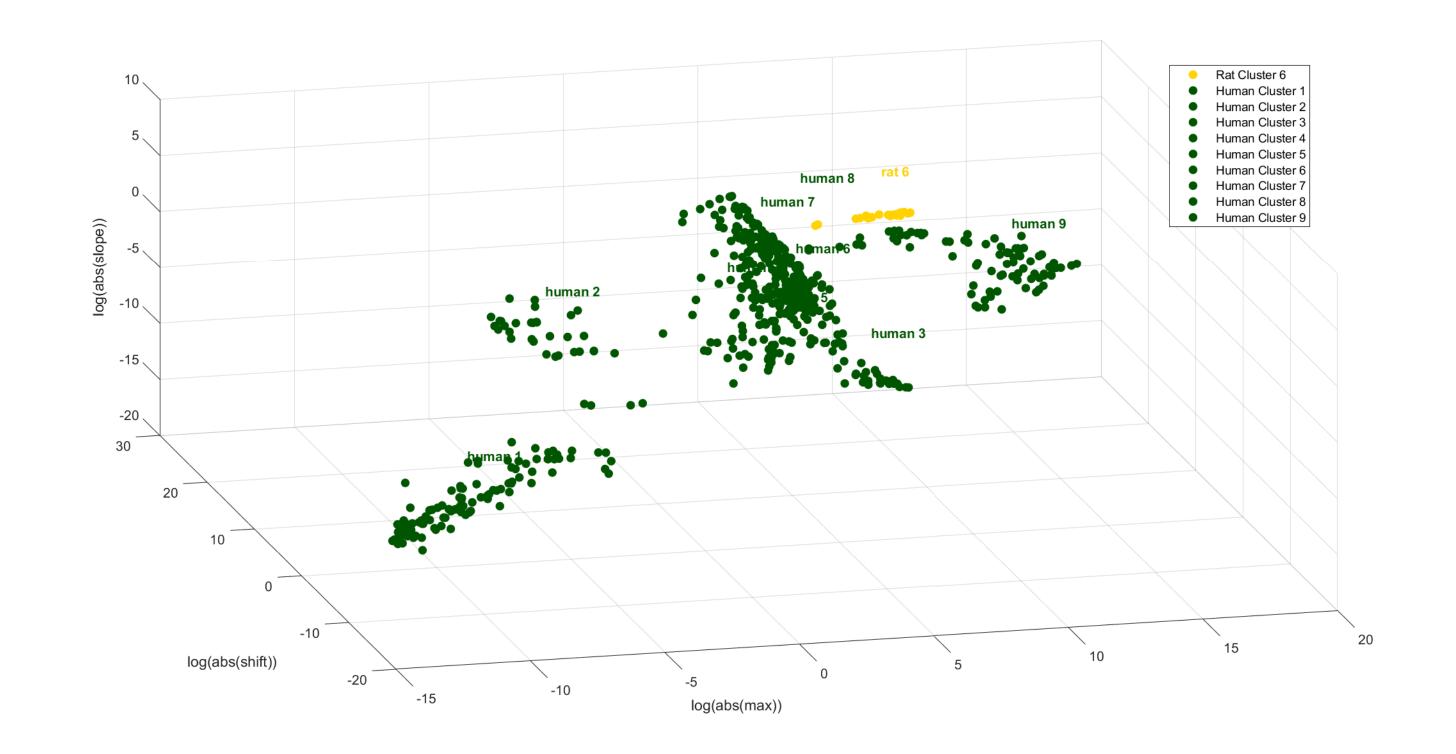




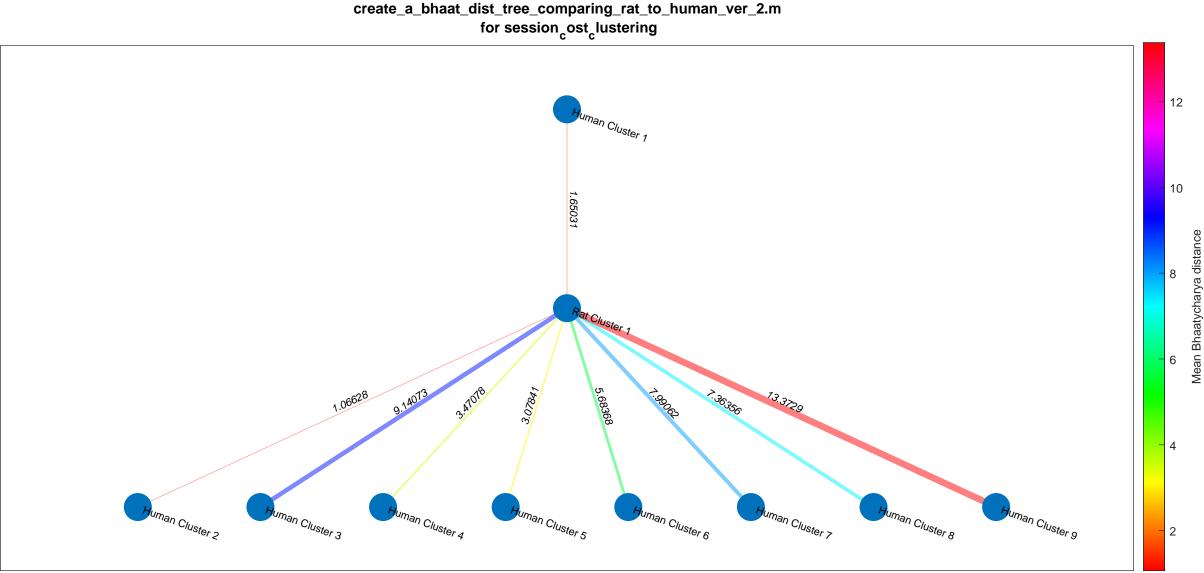




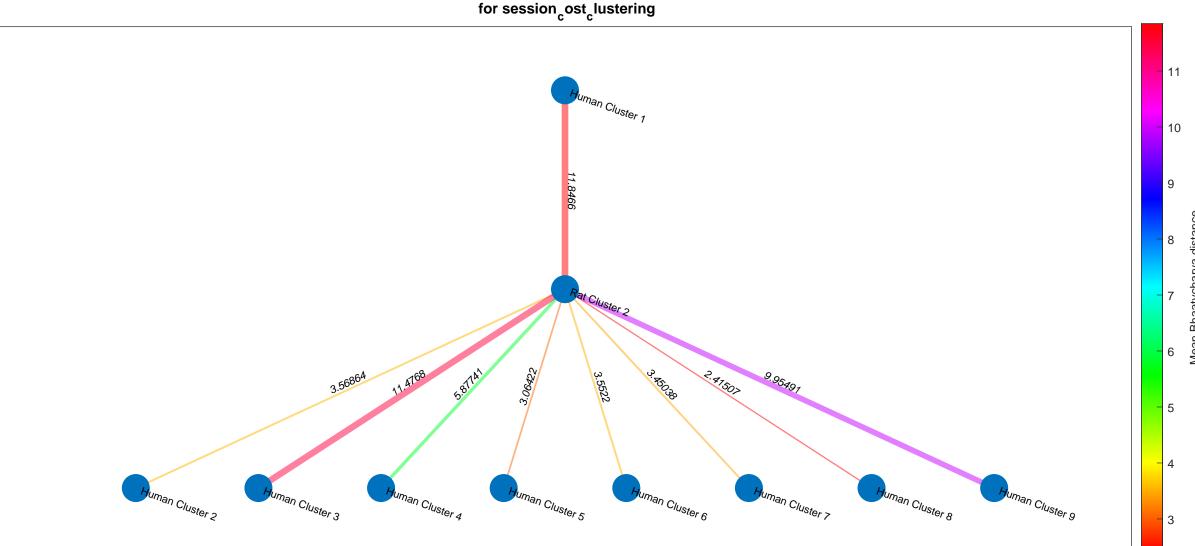




Mean Bhaatycharya Distance Map All Human Clusters vs Rat Cluster 1
Number Of Human Approach Avoid Subjects: 25
Number of Human Approach Avoid Sessions: 683
Number Of Rat Subjects: 42
Number of Rat Sessions: 1616
Date Created:05-10-2024



Mean Bhaatycharya Distance Map All Human Clusters vs Rat Cluster 2
Number Of Human Approach Avoid Subjects: 25
Number of Human Approach Avoid Sessions: 683
Number Of Rat Subjects: 42
Number of Rat Sessions: 1616
Date Created:05-10-2024
create\_a\_bhaat\_dist\_tree\_comparing\_rat\_to\_human\_ver\_2.m
for session\_ost\_lustering



Mean Bhaatycharya Distance Map All Human Clusters vs Rat Cluster 3

Number Of Human Approach Avoid Subjects: 25

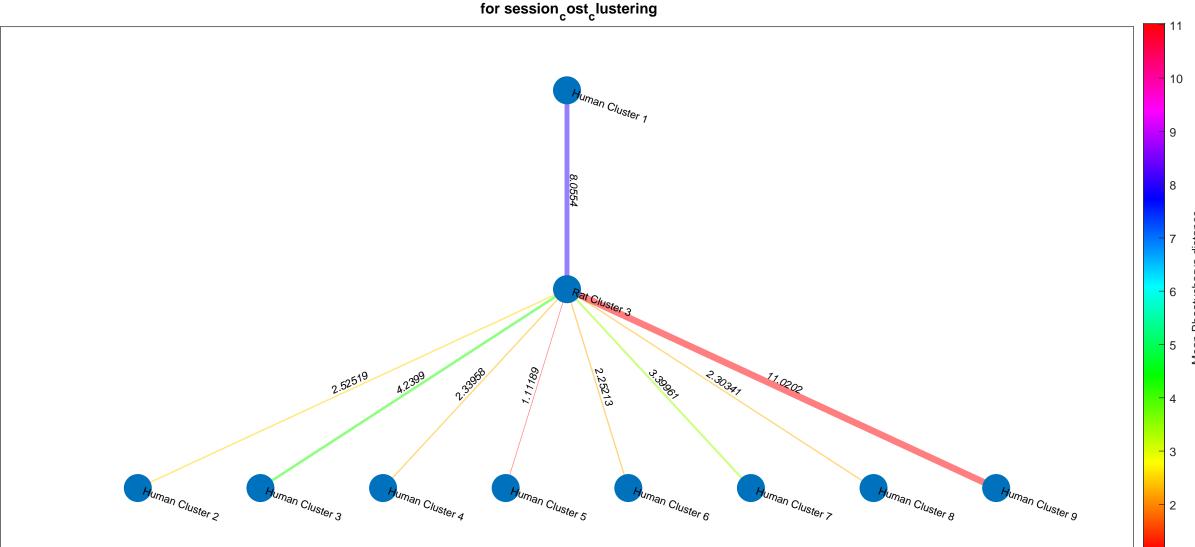
Number of Human Approach Avoid Sessions: 683

Number Of Rat Subjects: 42

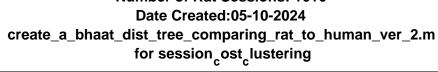
Number of Rat Sessions: 1616

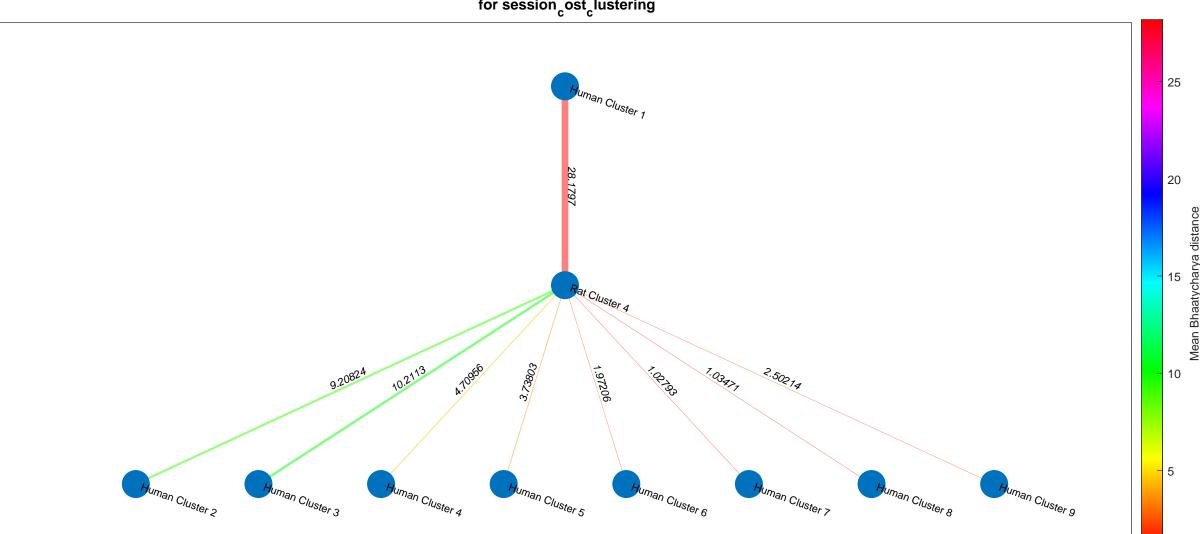
Date Created:05-10-2024

create\_a\_bhaat\_dist\_tree\_comparing\_rat\_to\_human\_ver\_2.m

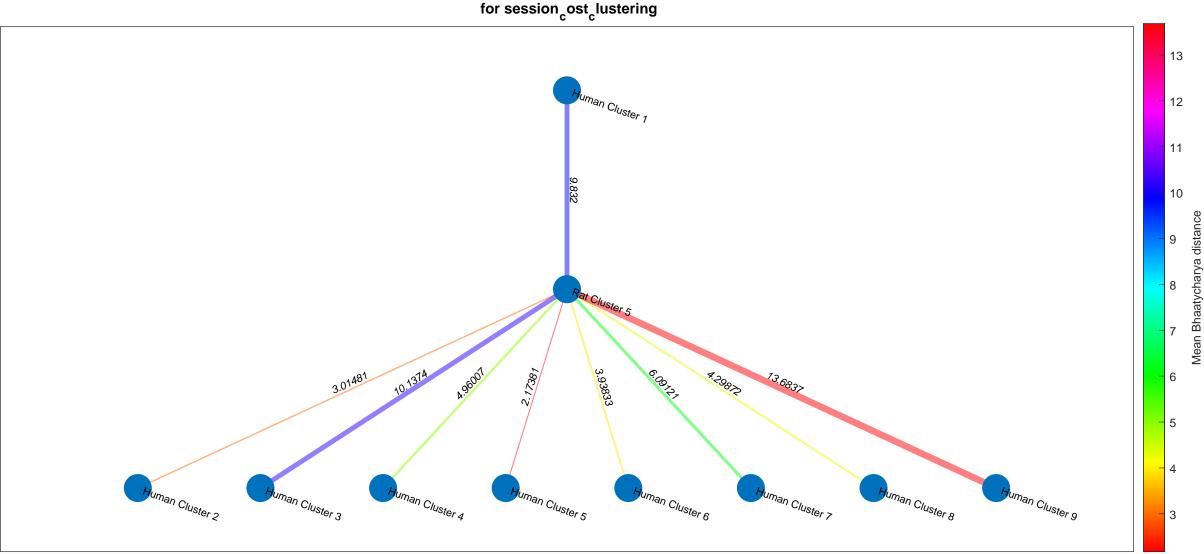


Mean Bhaatycharya Distance Map All Human Clusters vs Rat Cluster 4
Number Of Human Approach Avoid Subjects: 25
Number of Human Approach Avoid Sessions: 683
Number Of Rat Subjects: 42
Number of Rat Sessions: 1616
Date Created:05-10-2024





Mean Bhaatycharya Distance Map All Human Clusters vs Rat Cluster 5
Number Of Human Approach Avoid Subjects: 25
Number of Human Approach Avoid Sessions: 683
Number Of Rat Subjects: 42
Number of Rat Sessions: 1616
Date Created:05-10-2024
create\_a\_bhaat\_dist\_tree\_comparing\_rat\_to\_human\_ver\_2.m



Mean Bhaatycharya Distance Map All Human Clusters vs Rat Cluster 6
Number Of Human Approach Avoid Subjects: 25
Number of Human Approach Avoid Sessions: 683
Number Of Rat Subjects: 42
Number of Rat Sessions: 1616
Date Created:05-10-2024
create\_a\_bhaat\_dist\_tree\_comparing\_rat\_to\_human\_ver\_2.m

