

SZ Location Stats

```
library(dplyr)

##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##   filter, lag
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

library(tidyr)
library(broom)
library(knitr)
library(igraph)

##
## Attaching package: 'igraph'
## The following objects are masked from 'package:tidyr':
##
##   %>%, crossing
## The following objects are masked from 'package:dplyr':
##
##   %>%, as_data_frame, groups, union
## The following objects are masked from 'package:stats':
##
##   decompose, spectrum
## The following object is masked from 'package:base':
##
##   union

library(ggplot2)
library(readr)
library(stringr)

##
## Attaching package: 'stringr'
## The following object is masked from 'package:igraph':
##
##   %>%

# Number of subjects
# 258 SCZ, 225 HC

# PINT distances
qced_sublist <- read_csv('../data/PINT_outputs_s8_6-6-12/SZ_pint_concat_20171218.csv')

## Parsed with column specification:
## cols(
```

```

##  subid = col_character(),
##  hemi = col_character(),
##  NETWORK = col_integer(),
##  roiidx = col_integer(),
##  tvertex = col_integer(),
##  ivertex = col_integer(),
##  dist_49 = col_double(),
##  vertex_48 = col_integer(),
##  std_distance = col_double()
## )

# Demographic data
patient_info <- read_csv('../phenotypic/NEWallSubjects_completeData3_DM_not_sexmatched.csv')

## Warning: Missing column names filled in: 'X1' [1]

## Parsed with column specification:
## cols(
##   X1 = col_integer(),
##   name = col_character(),
##   subid = col_character(),
##   DX_GROUP = col_integer(),
##   mean_fd = col_double(),
##   age = col_integer(),
##   sex.x = col_integer(),
##   educationCode = col_double(),
##   site = col_integer(),
##   sex.y = col_integer(),
##   X.bad_fd = col_double(),
##   global_corr = col_double(),
##   mean_snfr = col_double()
## )

pheno <- patient_info %>%
  mutate(Site = factor(site, levels = c(1,2,3),
    labels = c("CMH","ZHH","COBRE")) ,
    DX = factor(DX_GROUP, level = c(1,2), labels = c('SSD', 'Ctrl')),
    Sex = factor(sex.x),
    Edu = if_else(is.na(educationCode),
      true = mean(educationCode, na.rm = F),
      false = educationCode))

# Concatenate PINT output and demographics
concatenated_subject_list <- merge(qced_sublist, patient_info, by = "subid")

concatenated_subject_list %>%
  group_by(NETWORK, DX_GROUP) %>%
  summarise(MeanDistance = mean(std_distance),
    SD = sd(std_distance)) %>%
  knitr::kable()

```

NETWORK	DX_GROUP	MeanDistance	SD
2	1	7.797399	4.752201
2	2	7.823747	4.789969
3	1	8.316186	4.973343

NETWORK	DX_GROUP	MeanDistance	SD
3	2	8.279756	4.741599
4	1	7.716089	4.551212
4	2	7.540539	4.403218
5	1	9.222589	5.606336
5	2	9.272898	5.570897
6	1	7.963500	4.688585
6	2	7.954257	4.578840
7	1	8.555954	4.875095
7	2	8.395027	4.751903

```

dist_by_network <- qced_sublist %>%
  group_by(subid, NETWORK) %>%
  summarise(MeanDistance = mean(std_distance)) %>%
  ungroup() %>%
  inner_join(pheno, by = "subid")

dist_by_network %>%
  ungroup() %>% group_by(NETWORK) %>%
  do(tidy(lm(MeanDistance ~ DX*Sex + mean_fd + age + Edu + Site,.))) %>%
  mutate(p_bonf = p.value*6) %>%
  knitr::kable()

```

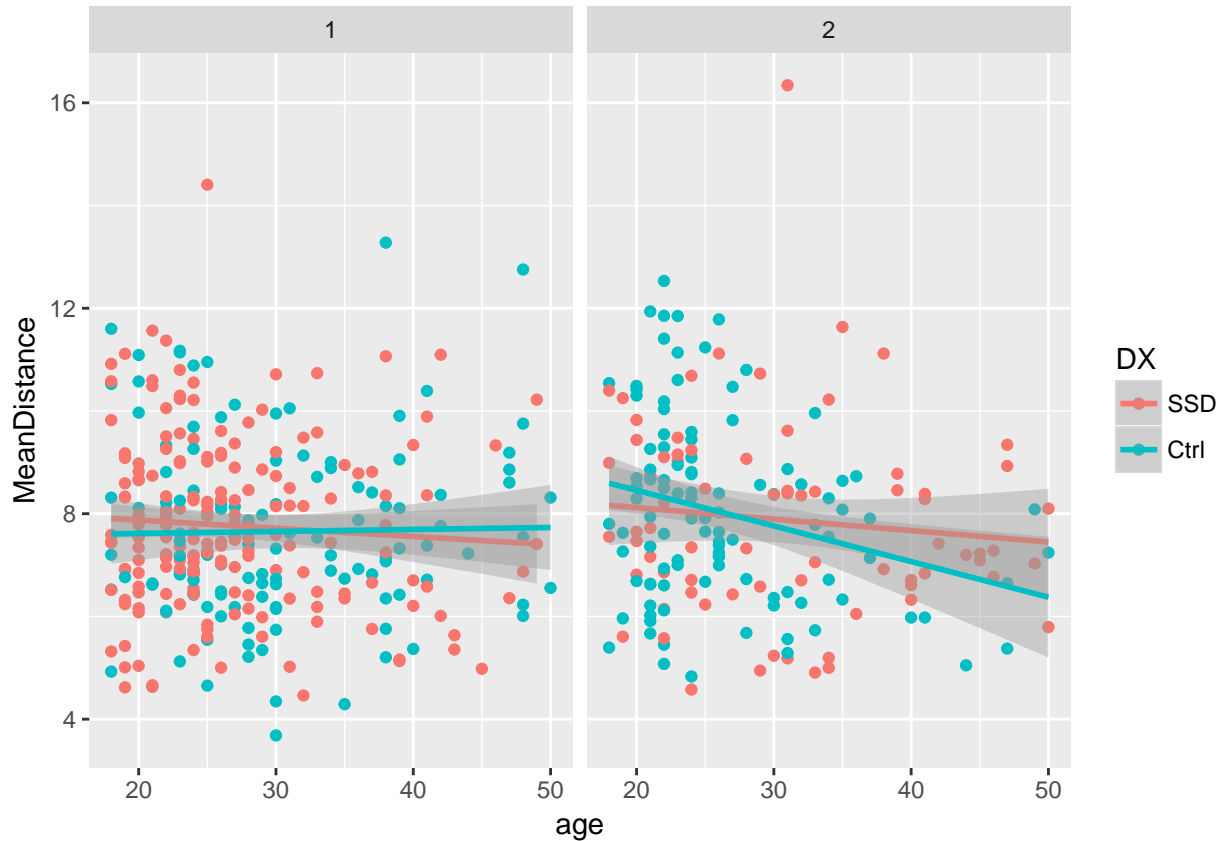
NETWORK	term	estimate	std.error	statistic	p.value	p_bonf
2	(Intercept)	8.5235008	0.6572841	12.9677583	0.0000000	0.0000000
2	DXCtrl	0.0309016	0.2413650	0.1280285	0.8981864	5.3891186
2	Sex2	0.1044806	0.2518085	0.4149208	0.6784073	4.0704438
2	mean_fd	0.3862384	0.9383505	0.4116142	0.6808278	4.0849667
2	age	-0.0200875	0.0110134	-1.8239157	0.0688604	0.4131622
2	Edu	-0.0222621	0.0427215	-0.5210989	0.6025668	3.6154005
2	SiteZHH	0.0419406	0.1916989	0.2187835	0.8269227	4.9615365
2	SiteCOBRE	-0.2285816	0.2653562	-0.8614143	0.3894911	2.3369468
2	DXCtrl:Sex2	0.1764661	0.3599832	0.4902065	0.6242384	3.7454303
3	(Intercept)	9.4979510	0.5677379	16.7294631	0.0000000	0.0000000
3	DXCtrl	0.0657107	0.2084822	0.3151859	0.7527738	4.5166427
3	Sex2	-0.1501513	0.2175029	-0.6903415	0.4903528	2.9421166
3	mean_fd	1.3443581	0.8105129	1.6586511	0.0979170	0.5875021
3	age	-0.0156265	0.0095129	-1.6426614	0.1011857	0.6071144
3	Edu	-0.0639211	0.0369012	-1.7322216	0.0839529	0.5037172
3	SiteZHH	-0.0038899	0.1655825	-0.0234923	0.9812685	5.8876109
3	SiteCOBRE	-0.9273383	0.2292050	-4.0458900	0.0000618	0.0003709
3	DXCtrl:Sex2	0.3908995	0.3109403	1.2571529	0.2093822	1.2562935
4	(Intercept)	7.8877170	0.4655675	16.9421571	0.0000000	0.0000000
4	DXCtrl	-0.1516946	0.1709636	-0.8872914	0.3754192	2.2525151
4	Sex2	-0.1595467	0.1783610	-0.8945160	0.3715475	2.2292847
4	mean_fd	0.9479210	0.6646524	1.4261905	0.1545407	0.9272439
4	age	-0.0114624	0.0078010	-1.4693523	0.1424702	0.8548212
4	Edu	-0.0099429	0.0302605	-0.3285777	0.7426352	4.4558113
4	SiteZHH	0.3854992	0.1357842	2.8390578	0.0047397	0.0284382
4	SiteCOBRE	-0.3244772	0.1879571	-1.7263364	0.0850069	0.5100411
4	DXCtrl:Sex2	0.0701297	0.2549833	0.2750366	0.7834206	4.7005234
5	(Intercept)	9.1468004	0.8116272	11.2697060	0.0000000	0.0000000

NETWORK	term	estimate	std.error	statistic	p.value	p_bonf
5	DXCtrl	0.0189570	0.2980422	0.0636052	0.9493142	5.6958853
5	Sex2	0.3361867	0.3109380	1.0812018	0.2802148	1.6812887
5	mean_fd	3.2986032	1.1586936	2.8468296	0.0046276	0.0277658
5	age	-0.0390957	0.0135995	-2.8747843	0.0042442	0.0254652
5	Edu	0.0182633	0.0527533	0.3462015	0.7293610	4.3761663
5	SiteZHH	0.6031725	0.2367136	2.5481108	0.0111784	0.0670706
5	SiteCOBRE	0.1930294	0.3276671	0.5891022	0.5561028	3.3366167
5	DXCtrl:Sex2	-0.3280750	0.4445143	-0.7380529	0.4608858	2.7653150
6	(Intercept)	7.9202948	0.4499876	17.6011404	0.0000000	0.0000000
6	DXCtrl	-0.0054599	0.1652425	-0.0330418	0.9736566	5.8419396
6	Sex2	0.3750622	0.1723923	2.1756325	0.0301280	0.1807678
6	mean_fd	-0.0437457	0.6424104	-0.0680962	0.9457408	5.6744448
6	age	-0.0016473	0.0075399	-0.2184750	0.8271630	4.9629778
6	Edu	-0.0021686	0.0292478	-0.0741460	0.9409288	5.6455728
6	SiteZHH	0.0290028	0.1312403	0.2209899	0.8252054	4.9512326
6	SiteCOBRE	-0.2052857	0.1816673	-1.1300094	0.2591037	1.5546220
6	DXCtrl:Sex2	-0.1338008	0.2464505	-0.5429114	0.5874728	3.5248366
7	(Intercept)	9.0830530	0.5079224	17.8827585	0.0000000	0.0000000
7	DXCtrl	-0.0122231	0.1865170	-0.0655335	0.9477797	5.6866784
7	Sex2	-0.1805203	0.1945873	-0.9277086	0.3540804	2.1244824
7	mean_fd	-1.0001427	0.7251191	-1.3792807	0.1685268	1.0111609
7	age	-0.0122027	0.0085107	-1.4338081	0.1523555	0.9141328
7	Edu	0.0102442	0.0330134	0.3103057	0.7564792	4.5388753
7	SiteZHH	-0.0825000	0.1481371	-0.5569162	0.5778751	3.4672504
7	SiteCOBRE	-0.6627239	0.2050565	-3.2319091	0.0013245	0.0079468
7	DXCtrl:Sex2	-0.0230758	0.2781803	-0.0829526	0.9339279	5.6035675

```

dist_by_network %>%
  filter(NETWORK == 2) %>%
  ggplot(aes(y = MeanDistance, x = age, color = DX)) +
    geom_point() +
    geom_smooth(method = "lm") +
    facet_wrap(~Sex)

```



```
summary(concatenated_subject_list)
```

```
##      subid          hemi      NETWORK      roiidx
## Length:38640      Length:38640      Min.   :2.00      Min.   : 1.00
## Class :character  Class :character  1st Qu.:3.00      1st Qu.:20.75
## Mode  :character  Mode  :character  Median :4.50      Median :40.50
##                                     Mean  :4.65      Mean  :40.50
##                                     3rd Qu.:6.00      3rd Qu.:60.25
##                                     Max.   :7.00      Max.   :80.00
##
##      tvertex      ivertex      dist_49      vertex_48
## Min.   : 2411      Min.   :  0      Min.   :0.00000      Min.   :  0
## 1st Qu.: 9278      1st Qu.: 9895      1st Qu.:0.00000      1st Qu.: 9862
## Median :15444      Median :16301      Median :0.00000      Median :16294
## Mean   :16868      Mean   :17264      Mean   :0.06706      Mean   :17261
## 3rd Qu.:24790      3rd Qu.:25129      3rd Qu.:0.00000      3rd Qu.:25128
## Max.   :32221      Max.   :32491      Max.   :5.98802      Max.   :32491
##
##      std_distance      X1      name      DX_GROUP
## Min.   : 0.000      Min.   : 1.0      Length:38640      Min.   :1.000
## 1st Qu.: 4.608      1st Qu.:121.0      Class :character  1st Qu.:1.000
## Median : 7.362      Median :243.0      Mode  :character  Median :1.000
## Mean   : 8.171      Mean   :249.4                      Mean   :1.466
## 3rd Qu.:10.836      3rd Qu.:379.0                      3rd Qu.:2.000
## Max.   :60.248      Max.   :511.0                      Max.   :2.000
##
##      mean_fd      age      sex.x      educationCode
```

```
## Min. :0.04361 Min. :18.00 Min. :1.000 Min. : 7.00
## 1st Qu.:0.09860 1st Qu.:22.00 1st Qu.:1.000 1st Qu.:12.00
## Median :0.13772 Median :26.00 Median :1.000 Median :14.00
## Mean :0.16466 Mean :28.24 Mean :1.373 Mean :14.08
## 3rd Qu.:0.20251 3rd Qu.:33.00 3rd Qu.:2.000 3rd Qu.:16.00
## Max. :0.74231 Max. :50.00 Max. :2.000 Max. :20.00
## NA's :3600
## site sex.y X.bad_fd global_corr
## Min. :1.000 Min. :1.000 Min. :0.000 Min. :0.006
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:0.057 1st Qu.:0.519
## Median :2.000 Median :1.000 Median :0.156 Median :0.657
## Mean :1.807 Mean :1.373 Mean :0.240 Mean :0.555
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:0.383 3rd Qu.:0.737
## Max. :3.000 Max. :2.000 Max. :0.745 Max. :0.819
## NA's :4160 NA's :4160
## mean_snfr
## Min. : 25.80
## 1st Qu.: 46.13
## Median : 51.90
## Mean : 55.52
## 3rd Qu.: 57.33
## Max. :114.80
## NA's :4160
```

```
dist_by_network <- qced_sublist %>%
  group_by(subid, roidx) %>%
  summarise(MeanDistance = mean(std_distance)) %>%
  ungroup() %>%
  inner_join(pheno, by = "subid")

dist_by_network %>%
  ungroup() %>% group_by(roidx) %>%
  do(tidy(lm(MeanDistance ~ DX*Sex + mean_fd + age + Edu + Site,.))) %>%
  ungroup() %>% group_by(term) %>%
  mutate(p_bonf = p.adjust(p.value, method = "fdr")) %>%
  arrange(p.value) %>%
  knitr::kable()
```

roidx	term	estimate	std.error	statistic	p.value	p_bonf
20	(Intercept)	10.4628438	1.4643627	7.1449812	0.0000000	0.0000000
18	(Intercept)	15.1726651	2.1794345	6.9617439	0.0000000	0.0000000
47	(Intercept)	12.4582246	1.8044646	6.9041115	0.0000000	0.0000000
1	(Intercept)	11.0697714	1.6294755	6.7934568	0.0000000	0.0000000
52	(Intercept)	8.8830520	1.3173518	6.7431130	0.0000000	0.0000000
65	(Intercept)	14.3289302	2.1910777	6.5396722	0.0000000	0.0000000
7	(Intercept)	11.9649139	1.8330132	6.5274565	0.0000000	0.0000000
38	(Intercept)	9.3956636	1.4549895	6.4575472	0.0000000	0.0000000
57	(Intercept)	9.2258835	1.4639380	6.3021000	0.0000000	0.0000000
75	(Intercept)	11.1948164	1.7853220	6.2704748	0.0000000	0.0000000
43	(Intercept)	10.2939882	1.6821378	6.1195868	0.0000000	0.0000000
5	(Intercept)	12.3418500	2.0440950	6.0378065	0.0000000	0.0000000
29	(Intercept)	9.9620583	1.6573478	6.0108435	0.0000000	0.0000000
2	(Intercept)	10.1970625	1.7104994	5.9614534	0.0000000	0.0000000
9	(Intercept)	9.6393843	1.6225208	5.9409926	0.0000000	0.0000000

roidx	term	estimate	std.error	statistic	p.value	p_bonf
51	(Intercept)	8.8332119	1.4922739	5.9192966	0.0000000	0.0000000
76	(Intercept)	11.9356470	2.0225338	5.9013337	0.0000000	0.0000000
19	(Intercept)	10.3361930	1.7692819	5.8420273	0.0000000	0.0000000
13	(Intercept)	11.1029748	1.9564961	5.6749281	0.0000000	0.0000001
33	(Intercept)	10.1563873	1.7922360	5.6668804	0.0000000	0.0000001
42	(Intercept)	9.1453169	1.6168204	5.6563593	0.0000000	0.0000001
58	(Intercept)	7.8841990	1.4376380	5.4841336	0.0000001	0.0000003
11	(Intercept)	8.4127963	1.5507872	5.4248553	0.0000001	0.0000003
3	(Intercept)	8.3570467	1.5583588	5.3627229	0.0000001	0.0000004
69	(Intercept)	10.6347988	2.0127059	5.2838316	0.0000002	0.0000006
72	(Intercept)	8.5457992	1.6203924	5.2739071	0.0000002	0.0000007
15	(Intercept)	9.2251080	1.7621708	5.2350816	0.0000003	0.0000008
73	(Intercept)	7.4593465	1.4357352	5.1954891	0.0000003	0.0000009
31	(Intercept)	9.1593044	1.7936853	5.1064167	0.0000005	0.0000014
32	(Intercept)	9.9605556	1.9532659	5.0994366	0.0000005	0.0000014
46	(Intercept)	9.8959063	1.9525716	5.0681401	0.0000006	0.0000015
24	(Intercept)	9.7196852	1.9300823	5.0358916	0.0000007	0.0000018
61	(Intercept)	10.7918777	2.1504566	5.0184122	0.0000008	0.0000019
66	(Intercept)	12.0490093	2.4097951	5.0000140	0.0000008	0.0000019
21	(Intercept)	7.7290159	1.5463424	4.9982563	0.0000008	0.0000019
37	(Intercept)	7.9848999	1.6024445	4.9829495	0.0000009	0.0000020
14	(Intercept)	8.5385907	1.7155804	4.9770857	0.0000009	0.0000020
63	(Intercept)	9.8252941	1.9972314	4.9194572	0.0000012	0.0000026
16	(Intercept)	8.0615468	1.6456435	4.8987201	0.0000014	0.0000028
41	(Intercept)	7.9234145	1.6190841	4.8937635	0.0000014	0.0000028
49	(Intercept)	7.6188894	1.5753603	4.8362837	0.0000018	0.0000036
74	(Intercept)	7.1047559	1.4725403	4.8248296	0.0000020	0.0000037
8	(Intercept)	10.5240102	2.1954828	4.7934834	0.0000023	0.0000042
44	(Intercept)	7.8327628	1.6400737	4.7758604	0.0000025	0.0000045
78	(Intercept)	7.2642721	1.5286364	4.7521255	0.0000028	0.0000049
77	(Intercept)	7.6534358	1.6213374	4.7204461	0.0000032	0.0000055
4	(Intercept)	7.7174920	1.6412620	4.7021693	0.0000035	0.0000059
71	(Intercept)	7.7612417	1.6527629	4.6959195	0.0000036	0.0000060
56	(Intercept)	8.3694017	1.7973041	4.6566419	0.0000043	0.0000070
10	(Intercept)	8.6320530	1.8718849	4.6114229	0.0000053	0.0000085
54	mean_fd	11.4262809	2.4863866	4.5955368	0.0000057	0.0004547
12	(Intercept)	5.6538144	1.2379063	4.5672395	0.0000065	0.0000101
25	(Intercept)	7.0586747	1.5543916	4.5411174	0.0000073	0.0000112
27	(Intercept)	8.2538755	1.8405660	4.4844224	0.0000094	0.0000142
50	(Intercept)	6.4413301	1.4541362	4.4296607	0.0000120	0.0000178
80	(Intercept)	9.7635718	2.2115896	4.4147303	0.0000128	0.0000186
30	(Intercept)	7.3790371	1.6773942	4.3991072	0.0000137	0.0000196
17	(Intercept)	9.4017582	2.1459012	4.3812633	0.0000149	0.0000205
6	(Intercept)	9.4652180	2.1614921	4.3790204	0.0000150	0.0000205
60	(Intercept)	6.8363392	1.5617125	4.3774634	0.0000151	0.0000205
36	(Intercept)	7.9109291	1.8130615	4.3632988	0.0000161	0.0000214
26	(Intercept)	7.3910320	1.6996242	4.3486272	0.0000171	0.0000225
55	(Intercept)	8.3063875	1.9232726	4.3188821	0.0000195	0.0000252
39	(Intercept)	7.0918597	1.6494139	4.2996242	0.0000212	0.0000269
40	(Intercept)	6.2954175	1.4728515	4.2743058	0.0000236	0.0000296
23	(Intercept)	8.4439954	1.9819358	4.2604787	0.0000251	0.0000309
70	(Intercept)	7.7097640	1.8773399	4.1067492	0.0000481	0.0000583

roidx	term	estimate	std.error	statistic	p.value	p_bonf
62	(Intercept)	7.2259674	1.9606040	3.6855822	0.0002574	0.0003074
53	(Intercept)	6.4456793	1.7767270	3.6278389	0.0003202	0.0003767
48	(Intercept)	6.5519214	1.8096533	3.6205395	0.0003291	0.0003816
64	(Intercept)	6.9027504	1.9161367	3.6024311	0.0003522	0.0003980
45	(Intercept)	5.6087548	1.5572783	3.6016393	0.0003532	0.0003980
35	(Intercept)	6.3715345	1.7784877	3.5825576	0.0003792	0.0004214
35	SiteZHH	1.8339493	0.5187015	3.5356547	0.0004511	0.0360843
8	mean_fd	10.3357589	3.1343105	3.2976180	0.0010563	0.0422501
40	SiteCOBRE	-1.9545324	0.5946140	-3.2870609	0.0010956	0.0876509
79	(Intercept)	6.5521214	2.0045725	3.2685879	0.0011678	0.0012798
2	age	-0.0934178	0.0286609	-3.2594131	0.0012053	0.0964261
59	(Intercept)	5.2542259	1.6463531	3.1914333	0.0015197	0.0016430
22	(Intercept)	4.5186588	1.4258261	3.1691515	0.0016383	0.0017475
66	mean_fd	10.4620281	3.4402667	3.0410515	0.0025021	0.0667216
45	SiteZHH	1.3737942	0.4541851	3.0247454	0.0026379	0.0719581
48	SiteZHH	1.5927328	0.5277910	3.0177337	0.0026984	0.0719581
54	(Intercept)	5.2387481	1.7416331	3.0079517	0.0027849	0.0029315
34	(Intercept)	4.9789041	1.6677060	2.9854807	0.0029934	0.0031100
67	(Intercept)	5.8526567	1.9701170	2.9707153	0.0031380	0.0032185
68	(Intercept)	6.1469557	2.1485385	2.8609940	0.0044296	0.0044857
28	(Intercept)	4.7555591	1.6756746	2.8379968	0.0047552	0.0047552
28	Sex2	1.8174875	0.6419584	2.8311608	0.0048561	0.2755145
69	age	-0.0928271	0.0337246	-2.7524990	0.0061651	0.2466051
52	SiteZHH	-1.0254133	0.3842098	-2.6688892	0.0078989	0.1282787
7	Sex2	-1.8487252	0.7022355	-2.6326284	0.0087785	0.2755145
36	SiteZHH	1.3630563	0.5287850	2.5777134	0.0102784	0.1282787
15	Sex2	-1.7389737	0.6750955	-2.5758928	0.0103318	0.2755145
67	mean_fd	7.1949159	2.8125743	2.5581247	0.0108664	0.2173279
33	SiteZHH	-1.3271798	0.5227112	-2.5390306	0.0114683	0.1282787
40	SiteZHH	-1.0846917	0.4295617	-2.5251126	0.0119255	0.1282787
31	SiteCOBRE	-1.8159960	0.7241398	-2.5077975	0.0125170	0.2437042
6	SiteCOBRE	-2.1844025	0.8726294	-2.5032420	0.0126768	0.2437042
64	SiteZHH	1.3965507	0.5588472	2.4989847	0.0128279	0.1282787
32	SiteCOBRE	-1.9314156	0.7885651	-2.4492786	0.0147133	0.2437042
36	Sex2	1.6834268	0.6945920	2.4236198	0.0157794	0.3155874
64	SiteCOBRE	1.8589143	0.7735754	2.4030162	0.0166842	0.2437042
8	SiteCOBRE	-2.0788482	0.8863520	-2.3453980	0.0194615	0.2437042
35	mean_fd	5.9190911	2.5390008	2.3312679	0.0202016	0.3153335
18	DXCtrl	1.8569954	0.8003224	2.3203092	0.0207924	0.9215259
64	Sex2	1.6954611	0.7340805	2.3096391	0.0213822	0.3421149
62	SiteZHH	1.3101291	0.5718163	2.2911713	0.0224375	0.1643078
1	SiteZHH	-1.0802020	0.4752416	-2.2729534	0.0235228	0.1643078
33	mean_fd	-5.8103009	2.5586283	-2.2708656	0.0236500	0.3153335
80	SiteCOBRE	-2.0129322	0.8928546	-2.2544905	0.0246690	0.2437042
73	age	-0.0541506	0.0240570	-2.2509277	0.0248957	0.6638849
73	DXCtrl:Sex2	-1.7668039	0.7863274	-2.2469061	0.0251537	0.7441148
67	DXCtrl	-1.6250559	0.7234577	-2.2462348	0.0251970	0.9215259
42	SiteZHH	-1.0551808	0.4715507	-2.2376827	0.0257544	0.1643078
50	SiteZHH	0.9458495	0.4241034	2.2302333	0.0262485	0.1643078
22	SiteZHH	0.9246487	0.4158466	2.2235329	0.0267000	0.1643078
20	SiteCOBRE	-1.3076086	0.5911869	-2.2118360	0.0275043	0.2437042
72	Sex2	1.3662423	0.6207796	2.2008493	0.0282788	0.3770503

roidx	term	estimate	std.error	statistic	p.value	p_bonf
19	SiteCOBRE	-1.5705122	0.7142878	-2.1987107	0.0284317	0.2437042
52	DXCtrl:Sex2	1.5862087	0.7214909	2.1985152	0.0284457	0.7441148
30	SiteCOBRE	1.4703224	0.6771912	2.1712070	0.0304630	0.2437042
44	SiteZHH	1.0235689	0.4783326	2.1398686	0.0329289	0.1881652
64	DXCtrl:Sex2	-2.2080342	1.0494350	-2.1040218	0.0359580	0.7441148
11	mean_fd	-4.6475590	2.2139316	-2.0992333	0.0363801	0.3804301
53	DXCtrl:Sex2	-2.0337466	0.9730828	-2.0900038	0.0372057	0.7441148
5	SiteCOBRE	-1.7218910	0.8252343	-2.0865481	0.0375190	0.2501415
3	SiteCOBRE	-1.3107899	0.6291347	-2.0834804	0.0377989	0.2501415
52	mean_fd	-3.9133483	1.8806750	-2.0808211	0.0380430	0.3804301
59	SiteCOBRE	-1.3647540	0.6646594	-2.0533133	0.0406480	0.2501415
5	age	-0.0696984	0.0342506	-2.0349531	0.0424699	0.7378241
43	Edu	-0.2222281	0.1093338	-2.0325645	0.0427119	0.9482837
38	Edu	-0.1919874	0.0945699	-2.0301111	0.0429618	0.9482837
74	SiteZHH	0.8700924	0.4294710	2.0259633	0.0433869	0.2313970
53	Sex2	1.3749078	0.6806721	2.0199269	0.0440121	0.4949516
75	Sex2	1.3473274	0.6839648	1.9698783	0.0494952	0.4949516
5	mean_fd	5.7278638	2.9181866	1.9628161	0.0503133	0.4263633
71	DXCtrl:Sex2	1.7742303	0.9051898	1.9600645	0.0506352	0.7469624
23	DXCtrl	-1.4183244	0.7277977	-1.9487893	0.0519721	0.9215259
53	mean_fd	4.9153728	2.5364873	1.9378661	0.0532954	0.4263633
11	Edu	-0.1936243	0.1007965	-1.9209435	0.0554013	0.9482837
70	SiteCOBRE	1.4547040	0.7579125	1.9193561	0.0556023	0.3177275
63	SiteZHH	1.1169659	0.5824988	1.9175421	0.0558328	0.2791641
62	DXCtrl:Sex2	2.0574405	1.0737890	1.9160565	0.0560222	0.7469624
5	DXCtrl	1.4108331	0.7506236	1.8795482	0.0608472	0.9215259
27	SiteZHH	1.0025857	0.5368068	1.8676844	0.0624877	0.2895319
55	Sex2	-1.3540179	0.7368143	-1.8376650	0.0668032	0.5543804
79	SiteCOBRE	-1.4834127	0.8092784	-1.8330067	0.0674944	0.3317071
54	SiteCOBRE	-1.2870463	0.7031255	-1.8304645	0.0678741	0.3317071
28	SiteZHH	0.8929922	0.4887157	1.8272222	0.0683609	0.2895319
51	SiteZHH	-0.7940937	0.4352263	-1.8245534	0.0687638	0.2895319
51	Sex2	-1.0410814	0.5716968	-1.8210376	0.0692976	0.5543804
15	mean_fd	-4.5707175	2.5157066	-1.8168722	0.0699343	0.5086132
18	age	-0.0655097	0.0365183	-1.7938859	0.0735355	0.7378241
18	SiteCOBRE	-1.5755308	0.8798730	-1.7906343	0.0740570	0.3317071
45	SiteCOBRE	1.1235203	0.6286985	1.7870575	0.0746341	0.3317071
11	age	0.0463188	0.0259848	1.7825366	0.0753688	0.7378241
66	age	-0.0715722	0.0403782	-1.7725447	0.0770138	0.7378241
19	age	-0.0516661	0.0296459	-1.7427747	0.0820895	0.7378241
54	SiteZHH	0.8752388	0.5079527	1.7230714	0.0855962	0.3415331
6	mean_fd	5.2949835	3.0857848	1.7159277	0.0868972	0.5670972
68	Sex2	1.4123983	0.8231147	1.7159192	0.0868988	0.6170144
47	DXCtrl:Sex2	1.6700532	0.9882742	1.6898683	0.0917796	0.9869124
60	DXCtrl	-0.9684358	0.5734852	-1.6886849	0.0920065	0.9215259
47	Edu	-0.1977331	0.1172847	-1.6859241	0.0925375	0.9482837
32	SiteZHH	-0.9553261	0.5696761	-1.6769636	0.0942780	0.3415331
5	SiteZHH	-0.9948397	0.5961667	-1.6687274	0.0959010	0.3415331
43	SiteCOBRE	-1.1301223	0.6791063	-1.6641316	0.0968163	0.4076477
19	SiteZHH	-0.8551920	0.5160166	-1.6572957	0.0981908	0.3415331
51	age	-0.0414100	0.0250044	-1.6561131	0.0984301	0.7378241
73	Sex2	0.9098338	0.5500366	1.6541333	0.0988319	0.6170144

roidx	term	estimate	std.error	statistic	p.value	p_bonf
27	Sex2	1.1614349	0.7051291	1.6471238	0.1002648	0.6170144
72	SiteCOBRE	1.0714264	0.6541787	1.6378192	0.1021926	0.4087705
3	age	0.0425892	0.0261117	1.6310421	0.1036153	0.7378241
18	SiteZHH	-1.0300037	0.6356389	-1.6204228	0.1058763	0.3529209
20	Edu	-0.1540624	0.0951791	-1.6186577	0.1062558	0.9482837
77	DXCtrl:Sex2	1.4219135	0.8879786	1.6012927	0.1100482	0.9869124
69	SiteZHH	-0.9352626	0.5870119	-1.5932599	0.1118384	0.3578828
71	Sex2	-1.0024660	0.6331809	-1.5832222	0.1141077	0.6343836
52	SiteCOBRE	-0.8386367	0.5318363	-1.5768701	0.1155625	0.4402381
28	mean_fd	3.7561277	2.3922230	1.5701411	0.1171195	0.5670972
24	age	-0.0507173	0.0323402	-1.5682435	0.1175616	0.7378241
39	DXCtrl	-0.9486339	0.6056905	-1.5662024	0.1180385	0.9215259
8	age	-0.0572224	0.0367872	-1.5554973	0.1205651	0.7378241
44	SiteCOBRE	-1.0224124	0.6621243	-1.5441397	0.1232918	0.4472310
46	SiteZHH	0.8755792	0.5694736	1.5375238	0.1249023	0.3842741
33	Sex2	1.0533711	0.6866136	1.5341540	0.1257289	0.6343836
62	Sex2	-1.1488346	0.7511162	-1.5295033	0.1268767	0.6343836
52	DXCtrl	-0.7315048	0.4837521	-1.5121480	0.1312325	0.9215259
40	mean_fd	3.1676416	2.1026691	1.5064860	0.1326784	0.5670972
10	SiteCOBRE	-1.1355505	0.7557103	-1.5026268	0.1336710	0.4472310
43	mean_fd	3.5934538	2.4014500	1.4963683	0.1352930	0.5670972
30	DXCtrl	-0.9180838	0.6159653	-1.4904797	0.1368330	0.9215259
74	mean_fd	3.1329731	2.1022249	1.4903130	0.1368768	0.5670972
21	age	-0.0385473	0.0259103	-1.4877188	0.1375597	0.7378241
79	Edu	0.1935729	0.1302911	1.4856949	0.1380943	0.9482837
47	SiteCOBRE	-1.0799262	0.7284916	-1.4824141	0.1389643	0.4472310
23	Edu	0.1908378	0.1288198	1.4814324	0.1392255	0.9482837
67	SiteZHH	0.8477992	0.5745908	1.4754835	0.1408162	0.3842741
52	age	-0.0325415	0.0220734	-1.4742409	0.1411502	0.7378241
17	SiteZHH	-0.9203649	0.6258588	-1.4705633	0.1421423	0.3842741
68	SiteZHH	0.9211578	0.6266279	1.4700235	0.1422884	0.3842741
6	Sex2	-1.2156665	0.8280773	-1.4680593	0.1428209	0.6643393
62	mean_fd	4.1090418	2.7989935	1.4680427	0.1428254	0.5670972
18	Edu	-0.2078847	0.1416566	-1.4675252	0.1429660	0.9482837
25	SiteZHH	0.6634016	0.4533432	1.4633541	0.1441028	0.3842741
55	DXCtrl	-1.0317044	0.7062557	-1.4608086	0.1448000	0.9215259
65	mean_fd	4.5529007	3.1280218	1.4555207	0.1462565	0.5670972
4	SiteCOBRE	-0.9638987	0.6626041	-1.4547129	0.1464800	0.4472310
74	Sex2	0.8145985	0.5641368	1.4439734	0.1494763	0.6643393
44	DXCtrl:Sex2	-1.2952560	0.8982401	-1.4419931	0.1500339	0.9869124
67	SiteCOBRE	1.1446144	0.7953682	1.4391001	0.1508514	0.4472310
57	Edu	-0.1363745	0.0951515	-1.4332355	0.1525189	0.9482837
72	mean_fd	-3.3110836	2.3133013	-1.4313240	0.1530654	0.5670972
7	SiteCOBRE	-1.0574662	0.7400171	-1.4289753	0.1537390	0.4472310
70	SiteZHH	0.7791342	0.5475320	1.4229929	0.1554650	0.4012000
1	SiteCOBRE	-0.9336959	0.6578457	-1.4193236	0.1565309	0.4472310
19	DXCtrl:Sex2	-1.3576265	0.9690052	-1.4010519	0.1619215	0.9869124
54	age	-0.0407687	0.0291826	-1.3970217	0.1631292	0.7378241
74	age	-0.0344614	0.0246737	-1.3966871	0.1632298	0.7378241
12	Sex2	0.6612529	0.4742474	1.3943205	0.1639425	0.6651041
65	age	-0.0510449	0.0367134	-1.3903620	0.1651399	0.7378241
68	mean_fd	4.2617711	3.0672920	1.3894246	0.1654244	0.5670972

roiidx	term	estimate	std.error	statistic	p.value	p_bonf
44	age	0.0381296	0.0274809	1.3874975	0.1660104	0.7378241
77	Sex2	-0.8612910	0.6211416	-1.3866258	0.1662760	0.6651041
21	mean_fd	3.0580703	2.2075862	1.3852552	0.1666943	0.5670972
60	mean_fd	-3.0761223	2.2295287	-1.3797186	0.1683920	0.5670972
51	DXCtrl:Sex2	1.1237543	0.8172927	1.3749716	0.1698579	0.9869124
65	Edu	-0.1957496	0.1424134	-1.3745167	0.1699989	0.9482837
37	mean_fd	3.1380413	2.2876785	1.3717143	0.1708693	0.5670972
43	SiteZHH	0.6707301	0.4906007	1.3671608	0.1722908	0.4181775
42	SiteCOBRE	-0.8921929	0.6527366	-1.3668498	0.1723882	0.4541728
23	SiteCOBRE	-1.0924771	0.8001396	-1.3653582	0.1728560	0.4541728
75	Edu	-0.1569849	0.1160405	-1.3528454	0.1768176	0.9482837
66	DXCtrl	1.1965226	0.8849144	1.3521338	0.1770449	0.9215259
62	SiteCOBRE	-1.0696874	0.7915276	-1.3514214	0.1772727	0.4541728
34	mean_fd	-3.2173561	2.3808470	-1.3513494	0.1772957	0.5670972
16	SiteZHH	0.6478078	0.4799570	1.3497203	0.1778175	0.4181775
66	Sex2	1.2416484	0.9232033	1.3449350	0.1793568	0.6832640
18	DXCtrl:Sex2	-1.6001734	1.1936387	-1.3405843	0.1807649	0.9869124
65	SiteCOBRE	-1.1833860	0.8845736	-1.3378039	0.1816691	0.4541728
79	SiteZHH	-0.7813862	0.5846398	-1.3365258	0.1820859	0.4181775
25	DXCtrl:Sex2	1.1373155	0.8513135	1.3359538	0.1822726	0.9869124
17	mean_fd	4.0902772	3.0635270	1.3351530	0.1825343	0.5670972
31	SiteZHH	-0.6977951	0.5231339	-1.3338747	0.1829526	0.4181775
35	DXCtrl	0.8665507	0.6530884	1.3268505	0.1852639	0.9215259
34	Edu	0.1432628	0.1083958	1.3216637	0.1869845	0.9482837
29	DXCtrl	-0.8014411	0.6086040	-1.3168515	0.1885914	0.9215259
10	SiteZHH	0.7161112	0.5459411	1.3117005	0.1903227	0.4229394
9	mean_fd	3.0370497	2.3163398	1.3111417	0.1905113	0.5670972
7	mean_fd	-3.4242084	2.6168425	-1.3085268	0.1913953	0.5670972
30	DXCtrl:Sex2	1.1992979	0.9186799	1.3054579	0.1924366	0.9869124
68	SiteCOBRE	1.1304144	0.8673998	1.3032219	0.1931980	0.4683588
44	Edu	-0.1386190	0.1065998	-1.3003683	0.1941729	0.9482837
64	Edu	0.1610313	0.1245431	1.2929773	0.1967148	0.9482837
4	SiteZHH	0.6186644	0.4786792	1.2924406	0.1969003	0.4257304
33	SiteCOBRE	-0.9301052	0.7235547	-1.2854663	0.1993229	0.4689950
9	age	-0.0348791	0.0271868	-1.2829448	0.2002041	0.8111393
23	mean_fd	-3.5901437	2.8294471	-1.2688499	0.2051826	0.5675210
18	mean_fd	-3.9431570	3.1113998	-1.2673257	0.2057263	0.5675210
17	age	0.0454289	0.0359564	1.2634413	0.2071168	0.8111393
3	Edu	-0.1272637	0.1012886	-1.2564469	0.2096377	0.9482837
24	Edu	0.1567920	0.1254495	1.2498414	0.2120389	0.9482837
75	SiteZHH	0.6448313	0.5206947	1.2384058	0.2162429	0.4552481
14	DXCtrl:Sex2	-1.1633999	0.9395938	-1.2381945	0.2163211	0.9869124
7	DXCtrl:Sex2	1.2398503	1.0039097	1.2350217	0.2174984	0.9869124
76	SiteCOBRE	-1.0078332	0.8165297	-1.2342885	0.2177711	0.4977626
13	DXCtrl	0.8840129	0.7184559	1.2304345	0.2192087	0.9215259
37	age	-0.0330208	0.0268504	-1.2298069	0.2194434	0.8111393
12	age	0.0253094	0.0207422	1.2201896	0.2230633	0.8111393
34	DXCtrl:Sex2	-1.1115762	0.9133739	-1.2170002	0.2242732	0.9869124
57	mean_fd	-2.5422325	2.0899441	-1.2164117	0.2244969	0.5760784
18	Sex2	-1.0124580	0.8349511	-1.2125955	0.2259518	0.7993034
13	Edu	-0.1539641	0.1271663	-1.2107300	0.2266655	0.9482837
41	mean_fd	-2.7975170	2.3114334	-1.2102953	0.2268320	0.5760784

roidx	term	estimate	std.error	statistic	p.value	p_bonf
9	DXCtrl	-0.7183269	0.5958150	-1.2056208	0.2286283	0.9215259
22	mean_fd	-2.4445854	2.0355348	-1.2009549	0.2304314	0.5760784
16	Sex2	0.7569142	0.6304534	1.2005872	0.2305739	0.7993034
22	Edu	0.1096811	0.0926744	1.1835106	0.2372622	0.9482837
51	DXCtrl	-0.6463984	0.5479863	-1.1795886	0.2388176	0.9215259
59	mean_fd	2.7714630	2.3503631	1.1791637	0.2389865	0.5793613
40	Sex2	-0.6642101	0.5642560	-1.1771432	0.2397910	0.7993034
56	DXCtrl	-0.7765300	0.6599981	-1.1765639	0.2400220	0.9215259
70	DXCtrl	-0.8105149	0.6893885	-1.1757013	0.2403663	0.9215259
62	Edu	0.1494222	0.1274333	1.1725519	0.2416263	0.9482837
39	Edu	0.1256177	0.1072069	1.1717317	0.2419551	0.9482837
29	SiteZHH	0.5605176	0.4833707	1.1596020	0.2468559	0.5063710
39	SiteCOBRE	0.7683799	0.6658951	1.1539054	0.2491814	0.5537364
55	age	-0.0367674	0.0322261	-1.1409181	0.2545405	0.8486617
30	Sex2	0.7331463	0.6426172	1.1408756	0.2545581	0.8145861
26	DXCtrl	-0.7041013	0.6241285	-1.1281351	0.2598934	0.9215259
4	Edu	0.1194229	0.1066770	1.1194804	0.2635616	0.9482837
55	DXCtrl:Sex2	1.1757136	1.0533432	1.1161733	0.2649728	0.9869124
65	DXCtrl	0.8959916	0.8045979	1.1135892	0.2660790	0.9215259
73	SiteZHH	0.4647063	0.4187366	1.1097818	0.2677147	0.5327970
44	Sex2	0.6931106	0.6283195	1.1031179	0.2705944	0.8299512
53	SiteZHH	0.5686876	0.5181880	1.0974543	0.2730585	0.5327970
31	mean_fd	-2.8086185	2.5606972	-1.0968179	0.2733363	0.6286626
43	DXCtrl	0.6759128	0.6177072	1.0942284	0.2744688	0.9215259
25	mean_fd	-2.4252859	2.2190773	-1.0929254	0.2750399	0.6286626
63	age	-0.0365309	0.0334654	-1.0916042	0.2756198	0.8486617
36	SiteCOBRE	0.7973814	0.7319623	1.0893750	0.2766001	0.5740140
56	SiteCOBRE	0.7873818	0.7256008	1.0851446	0.2784670	0.5740140
51	SiteCOBRE	-0.6505846	0.6024552	-1.0798889	0.2807984	0.5740140
69	DXCtrl:Sex2	-1.1899206	1.1023243	-1.0794651	0.2809870	0.9869124
11	DXCtrl	0.6071321	0.5694733	1.0661293	0.2869648	0.9215259
6	DXCtrl:Sex2	1.2526894	1.1838120	1.0581828	0.2905676	0.9869124
9	SiteZHH	0.5000624	0.4732133	1.0567378	0.2912260	0.5547161
41	DXCtrl:Sex2	0.9337470	0.8867444	1.0530058	0.2929311	0.9869124
40	DXCtrl	0.5686406	0.5408540	1.0513754	0.2936781	0.9215259
55	Edu	0.1312393	0.1250069	1.0498568	0.2943750	0.9482837
38	DXCtrl	0.5570873	0.5342949	1.0426589	0.2976935	0.9215259
53	DXCtrl	0.6759763	0.6524419	1.0360713	0.3007525	0.9215259
66	SiteCOBRE	-1.0049802	0.9728733	-1.0330021	0.3021849	0.5740140
5	Sex2	0.8078428	0.7831019	1.0315935	0.3028438	0.8299512
7	Edu	-0.1227748	0.1191403	-1.0305061	0.3033531	0.9482837
27	mean_fd	2.7055180	2.6276250	1.0296439	0.3037574	0.6608204
48	age	0.0310502	0.0303223	1.0240056	0.3064097	0.8486617
14	SiteCOBRE	-0.7089397	0.6926076	-1.0235806	0.3066102	0.5740140
24	SiteCOBRE	-0.7973834	0.7792055	-1.0233288	0.3067291	0.5740140
22	SiteCOBRE	0.5868632	0.5756291	1.0195162	0.3085325	0.5740140
1	age	-0.0276704	0.0273033	-1.0134461	0.3114183	0.8486617
39	mean_fd	-2.3832410	2.3547328	-1.0121068	0.3120575	0.6608204
68	DXCtrl:Sex2	-1.1859858	1.1767175	-1.0078764	0.3140819	0.9869124
28	age	0.0282377	0.0280774	1.0057090	0.3151225	0.8486617
57	DXCtrl:Sex2	-0.8062133	0.8017736	-1.0055373	0.3152050	0.9869124
66	DXCtrl:Sex2	-1.3250141	1.3198033	-1.0039482	0.3159695	0.9869124

roiidx	term	estimate	std.error	statistic	p.value	p_bonf
34	Sex2	0.6412192	0.6389056	1.0036212	0.3161270	0.8299512
7	SiteZHH	-0.5359623	0.5346040	-1.0025408	0.3166476	0.5761517
58	DXCtrl	-0.5287480	0.5279231	-1.0015624	0.3171196	0.9215259
76	mean_fd	-2.8833915	2.8874055	-0.9986098	0.3185467	0.6608204
25	Sex2	-0.5913431	0.5954944	-0.9930288	0.3212557	0.8299512
58	mean_fd	-2.0343228	2.0523978	-0.9911932	0.3221500	0.6608204
27	age	-0.0305354	0.0308403	-0.9901152	0.3226759	0.8486617
26	SiteZHH	0.4887350	0.4957007	0.9859478	0.3247144	0.5761517
36	DXCtrl:Sex2	-0.9789871	0.9929825	-0.9859056	0.3247351	0.9869124
76	SiteZHH	0.5811036	0.5898783	0.9851245	0.3251182	0.5761517
49	age	-0.0259847	0.0263965	-0.9843967	0.3254754	0.8486617
9	Edu	-0.1034055	0.1054589	-0.9805285	0.3273779	0.9482837
59	Edu	0.1047939	0.1070079	0.9793095	0.3279790	0.9482837
74	SiteCOBRE	0.5819721	0.5944884	0.9789462	0.3281583	0.5966514
47	DXCtrl	-0.6473480	0.6626275	-0.9769410	0.3291489	0.9215259
4	age	-0.0268248	0.0275008	-0.9754201	0.3299016	0.8486617
30	SiteZHH	0.4724808	0.4892173	0.9657894	0.3346937	0.5761517
77	mean_fd	2.2105669	2.3146503	0.9550327	0.3400990	0.6801979
23	DXCtrl:Sex2	1.0339495	1.0854721	0.9525344	0.3413624	0.9869124
11	SiteZHH	0.4290766	0.4522919	0.9486719	0.3433216	0.5761517
57	SiteCOBRE	-0.5604583	0.5910155	-0.9482971	0.3435121	0.6106882
78	SiteZHH	-0.4208737	0.4458316	-0.9440195	0.3456910	0.5761517
76	Sex2	-0.7288198	0.7748417	-0.9406047	0.3474368	0.8299512
74	DXCtrl:Sex2	-0.7516798	0.8064849	-0.9320445	0.3518378	0.9869124
5	Edu	-0.1224501	0.1328600	-0.9216477	0.3572304	0.9482837
30	Edu	0.1003591	0.1090255	0.9205103	0.3578235	0.9482837
30	age	0.0258404	0.0281062	0.9193851	0.3584108	0.8486617
12	Edu	-0.0739291	0.0804601	-0.9188291	0.3587013	0.9482837
36	DXCtrl	0.6092538	0.6657845	0.9150917	0.3606576	0.9215259
14	SiteZHH	-0.4574554	0.5003544	-0.9142628	0.3610923	0.5810687
80	SiteZHH	-0.5871682	0.6450170	-0.9103143	0.3631679	0.5810687
45	DXCtrl:Sex2	-0.7753286	0.8528945	-0.9090557	0.3638311	0.9869124
37	Edu	-0.0945033	0.1041540	-0.9073421	0.3647353	0.9482837
27	SiteCOBRE	0.6727152	0.7430663	0.9053232	0.3658024	0.6288932
10	Sex2	0.6477304	0.7171275	0.9032291	0.3669112	0.8299512
33	DXCtrl:Sex2	-0.8809605	0.9815768	-0.8974952	0.3699581	0.9869124
27	DXCtrl:Sex2	-0.9001685	1.0080463	-0.8929833	0.3723668	0.9869124
12	SiteZHH	0.3219422	0.3610392	0.8917097	0.3730484	0.5851740
34	age	0.0249096	0.0279439	0.8914168	0.3732053	0.8486617
13	SiteCOBRE	-0.6980994	0.7898692	-0.8838164	0.3772904	0.6288932
28	SiteCOBRE	0.5978420	0.6764970	0.8837319	0.3773359	0.6288932
4	Sex2	-0.5556163	0.6287748	-0.8836491	0.3773806	0.8299512
20	DXCtrl	0.4742145	0.5377368	0.8818711	0.3783404	0.9215259
8	Sex2	-0.7397019	0.8410993	-0.8794466	0.3796515	0.8299512
49	SiteZHH	0.4002332	0.4594587	0.8710972	0.3841883	0.5910589
9	DXCtrl:Sex2	0.7739872	0.8886267	0.8709925	0.3842454	0.9869124
78	mean_fd	1.8990893	2.1823088	0.8702203	0.3846667	0.7382810
75	age	-0.0259743	0.0299146	-0.8682800	0.3857265	0.8486617
54	DXCtrl	0.5542762	0.6395548	0.8666594	0.3866131	0.9215259
44	mean_fd	2.0249882	2.3413985	0.8648627	0.3875975	0.7382810
7	age	-0.0264418	0.0307137	-0.8609096	0.3897687	0.8486617
52	Sex2	-0.4331115	0.5046834	-0.8581847	0.3912697	0.8299512

roidx	term	estimate	std.error	statistic	p.value	p_bonf
7	DXCtrl	-0.5746513	0.6731110	-0.8537244	0.3937342	0.9215259
48	Sex2	-0.5877142	0.6932863	-0.8477222	0.3970654	0.8299512
80	Sex2	-0.7172645	0.8472699	-0.8465596	0.3977126	0.8299512
37	DXCtrl	0.4971988	0.5884426	0.8449402	0.3986152	0.9215259
68	Edu	0.1172966	0.1396485	0.8399416	0.4014090	0.9482837
72	age	-0.0227955	0.0271511	-0.8395806	0.4016112	0.8486617
62	age	-0.0274753	0.0328516	-0.8363438	0.4034271	0.8486617
2	Sex2	0.5466612	0.6553000	0.8342152	0.4046240	0.8299512
80	DXCtrl	0.6760148	0.8121302	0.8323971	0.4056480	0.9215259
41	SiteCOBRE	-0.5422288	0.6536505	-0.8295394	0.4072606	0.6649153
46	Edu	-0.1052068	0.1269112	-0.8289793	0.4075771	0.9482837
38	age	-0.0199684	0.0243796	-0.8190631	0.4132052	0.8486617
28	DXCtrl	-0.5033397	0.6153338	-0.8179945	0.4138144	0.9215259
24	SiteZHH	-0.4595940	0.5629145	-0.8164543	0.4146935	0.6259524
25	DXCtrl	-0.4637898	0.5707968	-0.8125305	0.4169380	0.9215259
23	Sex2	-0.6155016	0.7592885	-0.8106295	0.4180279	0.8299512
21	DXCtrl	-0.4596043	0.5678411	-0.8093890	0.4187401	0.9215259
63	mean_fd	2.3003801	2.8512833	0.8067876	0.4202359	0.7449118
61	age	-0.0290368	0.0360328	-0.8058438	0.4207794	0.8486617
40	Edu	0.0771326	0.0957309	0.8057239	0.4208485	0.9482837
54	Edu	0.0911894	0.1132009	0.8055542	0.4209462	0.9482837
78	Sex2	-0.4716999	0.5856274	-0.8054607	0.4210001	0.8299512
47	Sex2	-0.5560329	0.6912984	-0.8043312	0.4216512	0.8299512
20	mean_fd	1.6795462	2.0905504	0.8033990	0.4221890	0.7449118
61	DXCtrl:Sex2	-0.9440378	1.1777680	-0.8015481	0.4232581	0.9869124
73	DXCtrl	0.4221222	0.5272244	0.8006500	0.4237774	0.9215259
16	mean_fd	-1.8770428	2.3493501	-0.7989626	0.4247542	0.7449118
29	Sex2	0.5054531	0.6349374	0.7960677	0.4264330	0.8299512
71	DXCtrl	-0.4814010	0.6069203	-0.7931865	0.4281076	0.9215259
79	mean_fd	2.2688468	2.8617636	0.7928142	0.4283243	0.7449118
10	Edu	-0.0963991	0.1216668	-0.7923200	0.4286121	0.9482837
47	age	-0.0238546	0.0302354	-0.7889626	0.4305697	0.8486617
68	age	-0.0283337	0.0360006	-0.7870320	0.4316977	0.8486617
58	SiteCOBRE	-0.4546448	0.5803978	-0.7833331	0.4338638	0.6941820
79	age	-0.0262342	0.0335884	-0.7810495	0.4352042	0.8486617
24	Sex2	-0.5674861	0.7394232	-0.7674714	0.4432235	0.8299512
64	age	-0.0245154	0.0321065	-0.7635630	0.4455474	0.8486617
59	Sex2	0.4810147	0.6307252	0.7626374	0.4460988	0.8299512
15	Edu	0.0868926	0.1145357	0.7586509	0.4484780	0.9482837
78	SiteCOBRE	0.4660316	0.6171353	0.7551531	0.4505715	0.7067789
58	SiteZHH	-0.3150424	0.4192916	-0.7513683	0.4528430	0.6708786
13	mean_fd	-2.0784732	2.7931289	-0.7441379	0.4572004	0.7580267
17	Edu	-0.1036053	0.1394771	-0.7428127	0.4580016	0.9482837
19	Edu	0.0853737	0.1149979	0.7423931	0.4582555	0.9482837
77	Edu	-0.0781975	0.1053820	-0.7420380	0.4584704	0.9482837
13	Sex2	0.5559484	0.7495424	0.7417171	0.4586646	0.8328287
20	DXCtrl:Sex2	0.5939784	0.8020062	0.7406158	0.4593316	0.9869124
69	mean_fd	2.1255464	2.8733749	0.7397386	0.4598632	0.7580267
66	Edu	-0.1152392	0.1566294	-0.7357445	0.4622883	0.9482837
12	DXCtrl:Sex2	0.4983893	0.6779799	0.7351093	0.4626746	0.9869124
53	age	-0.0218382	0.0297706	-0.7335480	0.4636250	0.8625581
3	mean_fd	1.6214211	2.2247410	0.7288134	0.4665135	0.7580267

roidx	term	estimate	std.error	statistic	p.value	p_bonf
13	DXCtrl:Sex2	0.7780109	1.0715392	0.7260686	0.4681927	0.9869124
58	Sex2	-0.3996476	0.5507656	-0.7256220	0.4684662	0.8328287
49	mean_fd	1.6125332	2.2490126	0.7169961	0.4737667	0.7580267
70	age	-0.0224701	0.0314565	-0.7143245	0.4754150	0.8643910
3	DXCtrl:Sex2	0.6087627	0.8534863	0.7132660	0.4760690	0.9869124
15	SiteCOBRE	-0.5044282	0.7114169	-0.7090472	0.4786803	0.7150552
25	SiteCOBRE	-0.4404452	0.6275331	-0.7018677	0.4831422	0.7150552
33	DXCtrl	0.4618506	0.6581370	0.7017545	0.4832128	0.9215259
63	DXCtrl:Sex2	0.7647551	1.0938492	0.6991413	0.4848426	0.9869124
46	SiteCOBRE	0.5506437	0.7882848	0.6985340	0.4852218	0.7150552
37	SiteZHH	-0.3241359	0.4673579	-0.6935496	0.4883400	0.6935782
48	Edu	0.0814794	0.1176220	0.6927222	0.4888587	0.9574939
1	DXCtrl	-0.4133328	0.5983688	-0.6907660	0.4900862	0.9215259
60	Edu	0.0700156	0.1015066	0.6897639	0.4907156	0.9574939
15	SiteZHH	-0.3535311	0.5139426	-0.6878805	0.4918998	0.6935782
79	DXCtrl	-0.5055801	0.7361103	-0.6868266	0.4925631	0.9215259
72	SiteZHH	-0.3233806	0.4725925	-0.6842695	0.4941745	0.6935782
15	DXCtrl	-0.4426514	0.6470966	-0.6840577	0.4943080	0.9215259
26	Sex2	0.4443593	0.6511336	0.6824395	0.4953294	0.8443867
15	DXCtrl:Sex2	0.6585697	0.9651106	0.6823774	0.4953686	0.9869124
26	mean_fd	-1.6551528	2.4264140	-0.6821395	0.4955189	0.7772845
46	DXCtrl:Sex2	0.7274735	1.0693898	0.6802697	0.4967007	0.9869124
62	DXCtrl	-0.4879502	0.7199644	-0.6777421	0.4983006	0.9215259
60	SiteCOBRE	0.4239421	0.6304886	0.6724025	0.5016895	0.7150552
61	SiteCOBRE	-0.5807957	0.8681742	-0.6689852	0.5038647	0.7150552
21	Sex2	-0.3938978	0.5924107	-0.6649066	0.5064675	0.8443867
67	Sex2	-0.5016510	0.7547606	-0.6646492	0.5066320	0.8443867
17	DXCtrl	0.5236977	0.7880084	0.6645840	0.5066737	0.9215259
76	Edu	-0.0863259	0.1314586	-0.6566780	0.5117401	0.9658172
67	DXCtrl:Sex2	0.7041517	1.0789991	0.6525971	0.5143656	0.9869124
37	SiteCOBRE	-0.4204757	0.6469328	-0.6499526	0.5160707	0.7150552
75	DXCtrl	0.4240297	0.6555981	0.6467830	0.5181183	0.9215259
17	SiteCOBRE	-0.5599334	0.8663351	-0.6463242	0.5184150	0.7150552
78	DXCtrl:Sex2	0.5370647	0.8372078	0.6414950	0.5215437	0.9869124
36	age	0.0194663	0.0303794	0.6407740	0.5220116	0.8694310
30	mean_fd	-1.5252474	2.3946780	-0.6369321	0.5245088	0.7885536
29	age	-0.0176698	0.0277703	-0.6362851	0.5249299	0.8694310
42	mean_fd	-1.4620137	2.3082017	-0.6333994	0.5268104	0.7885536
32	Edu	-0.0802761	0.1269563	-0.6323126	0.5275195	0.9658172
13	age	-0.0206717	0.0327828	-0.6305647	0.5286610	0.8694310
45	DXCtrl	-0.3601428	0.5718569	-0.6297778	0.5291752	0.9215259
25	age	0.0162805	0.0260452	0.6250864	0.5322467	0.8694310
64	mean_fd	-1.7098181	2.7355110	-0.6250452	0.5322737	0.7885536
76	DXCtrl	0.4595170	0.7427060	0.6187064	0.5364381	0.9215259
24	DXCtrl:Sex2	-0.6535434	1.0570728	-0.6182577	0.5367336	0.9869124
61	Sex2	0.4935331	0.8238495	0.5990573	0.5494509	0.8640878
56	Sex2	-0.4111198	0.6885552	-0.5970760	0.5507716	0.8640878
26	DXCtrl:Sex2	0.5523994	0.9308549	0.5934324	0.5532046	0.9869124
10	age	0.0184898	0.0313651	0.5895033	0.5558340	0.8694310
61	mean_fd	-1.7974864	3.0700303	-0.5854947	0.5585230	0.8123971
35	SiteCOBRE	0.4202893	0.7180043	0.5853576	0.5586150	0.7475476
55	SiteZHH	0.3276406	0.5609284	0.5841040	0.5594573	0.7716653

roidx	term	estimate	std.error	statistic	p.value	p_bonf
29	SiteCOBRE	0.3896256	0.6690982	0.5823146	0.5606607	0.7475476
50	Sex2	-0.3201910	0.5570861	-0.5747603	0.5657547	0.8640878
56	age	-0.0172754	0.0301154	-0.5736405	0.5665117	0.8694310
26	age	0.0162875	0.0284787	0.5719178	0.5676772	0.8694310
9	Sex2	-0.3541701	0.6215950	-0.5697764	0.5691276	0.8640878
46	age	-0.0186221	0.0327170	-0.5691867	0.5695273	0.8694310
67	Edu	0.0720163	0.1280516	0.5624004	0.5741370	0.9658172
9	SiteCOBRE	0.3681057	0.6550380	0.5619608	0.5744362	0.7533590
5	DXCtrl:Sex2	-0.6286103	1.1195156	-0.5615021	0.5747485	0.9869124
40	age	-0.0137958	0.0246789	-0.5590118	0.5764454	0.8694310
70	mean_fd	1.4867525	2.6801241	0.5547327	0.5793666	0.8276665
80	DXCtrl:Sex2	0.6701531	1.2112495	0.5532742	0.5803639	0.9869124
6	DXCtrl	0.4389430	0.7937336	0.5530105	0.5805443	0.9215259
38	Sex2	-0.3063818	0.5574130	-0.5496496	0.5828457	0.8640878
63	Sex2	0.4201019	0.7651483	0.5490464	0.5832593	0.8640878
22	DXCtrl	-0.2860225	0.5235856	-0.5462765	0.5851599	0.9215259
52	Edu	0.0467687	0.0856239	0.5462114	0.5852046	0.9658172
76	age	-0.0184288	0.0338893	-0.5437937	0.5868659	0.8694310
44	DXCtrl	0.3262672	0.6022606	0.5417375	0.5882806	0.9215259
35	Edu	0.0617499	0.1155963	0.5341860	0.5934895	0.9658172
12	DXCtrl	0.2421932	0.4545785	0.5327864	0.5944573	0.9215259
12	mean_fd	-0.9402821	1.7672571	-0.5320573	0.5949617	0.8329111
38	SiteZHH	-0.2239685	0.4243522	-0.5277892	0.5979185	0.8107370
69	DXCtrl	0.3894902	0.7390970	0.5269811	0.5984791	0.9215259
32	Sex2	-0.3939560	0.7483049	-0.5264645	0.5988376	0.8710365
56	DXCtrl:Sex2	0.5157525	0.9843525	0.5239510	0.6005832	0.9869124
1	Edu	-0.0552322	0.1059110	-0.5214970	0.6022897	0.9658172
26	Edu	0.0571531	0.1104704	0.5173615	0.6051705	0.9658172
2	DXCtrl:Sex2	0.4839158	0.9368110	0.5165565	0.6057320	0.9869124
59	DXCtrl:Sex2	-0.4649811	0.9016792	-0.5156835	0.6063412	0.9869124
78	DXCtrl	-0.2887411	0.5613391	-0.5143791	0.6072519	0.9215259
2	DXCtrl	-0.3201653	0.6281221	-0.5097183	0.6105109	0.9215259
4	mean_fd	-1.1864213	2.3430951	-0.5063479	0.6128725	0.8329111
79	Sex2	0.3883448	0.7679607	0.5056832	0.6133388	0.8761983
73	mean_fd	1.0337639	2.0496813	0.5043535	0.6142719	0.8329111
37	DXCtrl:Sex2	0.4419393	0.8776312	0.5035592	0.6148296	0.9869124
32	DXCtrl:Sex2	-0.5260969	1.0697701	-0.4917850	0.6231229	0.9869124
65	Sex2	-0.4112224	0.8394117	-0.4898936	0.6244596	0.8764345
56	SiteZHH	0.2522248	0.5241893	0.4811712	0.6306402	0.8332473
26	SiteCOBRE	-0.3289472	0.6861658	-0.4793990	0.6318991	0.8153536
57	DXCtrl	0.2559162	0.5375809	0.4760515	0.6342800	0.9221694
46	mean_fd	1.3182385	2.7875261	0.4729062	0.6365206	0.8376373
28	Edu	0.0514286	0.1089138	0.4721961	0.6370269	0.9658172
50	age	0.0114724	0.0243653	0.4708510	0.6379865	0.9107576
61	SiteZHH	0.2950115	0.6271874	0.4703722	0.6383282	0.8332473
51	mean_fd	-1.0009744	2.1303970	-0.4698534	0.6386985	0.8376373
31	DXCtrl:Sex2	-0.4549738	0.9823705	-0.4631387	0.6434998	0.9869124
57	SiteZHH	0.1963922	0.4269621	0.4599758	0.6457667	0.8332473
41	DXCtrl	-0.2732220	0.5945529	-0.4595419	0.6460779	0.9221694
27	DXCtrl	-0.3091443	0.6758846	-0.4573921	0.6476208	0.9221694
76	DXCtrl:Sex2	0.5014897	1.1077069	0.4527278	0.6509736	0.9869124
60	age	-0.0116784	0.0261679	-0.4462880	0.6556144	0.9107576

roidx	term	estimate	std.error	statistic	p.value	p_bonf
42	age	-0.0119219	0.0270912	-0.4400632	0.6601130	0.9107576
6	age	0.0159287	0.0362177	0.4398058	0.6602992	0.9107576
4	DXCtrl	0.2648672	0.6026970	0.4394699	0.6605423	0.9221694
2	Edu	0.0484222	0.1111773	0.4355402	0.6633894	0.9658172
39	Sex2	-0.2714957	0.6318978	-0.4296513	0.6676651	0.9136858
74	DXCtrl	-0.2316545	0.5407398	-0.4284029	0.6685728	0.9221694
21	DXCtrl:Sex2	0.3619524	0.8469051	0.4273824	0.6693152	0.9869124
22	Sex2	0.2300590	0.5462403	0.4211680	0.6738433	0.9136858
56	Edu	0.0478746	0.1168193	0.4098175	0.6821444	0.9658172
16	DXCtrl:Sex2	-0.3659524	0.9012906	-0.4060315	0.6849219	0.9869124
50	DXCtrl	0.2166624	0.5339815	0.4057489	0.6851294	0.9289890
78	age	-0.0103864	0.0256136	-0.4055035	0.6853096	0.9292333
14	Sex2	0.2660168	0.6572465	0.4047443	0.6858672	0.9144896
33	Edu	-0.0467804	0.1164899	-0.4015837	0.6881904	0.9658172
70	Edu	0.0481719	0.1220214	0.3947826	0.6931995	0.9658172
40	DXCtrl:Sex2	-0.3166520	0.8066554	-0.3925493	0.6948474	0.9869124
75	DXCtrl:Sex2	-0.3821394	0.9777901	-0.3908195	0.6961247	0.9869124
36	Edu	-0.0458220	0.1178435	-0.3888376	0.6975892	0.9658172
58	DXCtrl:Sex2	0.3002180	0.7873696	0.3812924	0.7031751	0.9869124
2	SiteZHH	0.1880452	0.4988725	0.3769405	0.7064042	0.8876540
64	DXCtrl	0.2621649	0.7036353	0.3725864	0.7096403	0.9461871
10	DXCtrl	-0.2437316	0.6873853	-0.3545778	0.7230801	0.9483018
36	mean_fd	0.9120521	2.5883591	0.3523669	0.7247361	0.9224438
54	Sex2	-0.2336106	0.6672274	-0.3501215	0.7264194	0.9224026
56	mean_fd	0.8983464	2.5658636	0.3501147	0.7264245	0.9224438
20	age	-0.0084978	0.0245367	-0.3463311	0.7292637	0.9471154
34	SiteCOBRE	0.2325518	0.6732799	0.3454013	0.7299620	0.9155592
46	Sex2	-0.2569979	0.7480389	-0.3435623	0.7313438	0.9224026
41	SiteZHH	-0.1615821	0.4722109	-0.3421821	0.7323814	0.8876540
12	SiteCOBRE	-0.1709661	0.4997628	-0.3420944	0.7324474	0.9155592
35	age	-0.0101367	0.0298001	-0.3401556	0.7339058	0.9471154
66	SiteZHH	0.2382953	0.7028243	0.3390539	0.7347350	0.8876540
41	age	0.0091979	0.0271292	0.3390425	0.7347436	0.9471154
39	SiteZHH	0.1620603	0.4810567	0.3368839	0.7363692	0.8876540
29	mean_fd	-0.7912062	2.3660594	-0.3343983	0.7382425	0.9228031
78	Edu	-0.0331678	0.0993567	-0.3338258	0.7386741	0.9658172
57	Sex2	-0.1866072	0.5608412	-0.3327274	0.7395026	0.9224026
23	SiteZHH	0.1893374	0.5780378	0.3275520	0.7434102	0.8876540
32	age	0.0106146	0.0327287	0.3243206	0.7458534	0.9471154
42	DXCtrl:Sex2	-0.2769882	0.8855047	-0.3128026	0.7545826	0.9893052
50	SiteCOBRE	-0.1835550	0.5870584	-0.3126691	0.7546840	0.9288418
27	Edu	-0.0373182	0.1196312	-0.3119438	0.7552348	0.9658172
8	DXCtrl:Sex2	0.3733961	1.2024281	0.3105350	0.7563049	0.9893052
71	Edu	-0.0325544	0.1074246	-0.3030441	0.7620032	0.9658172
43	Sex2	0.1939558	0.6444345	0.3009706	0.7635827	0.9224026
45	Sex2	0.1768333	0.5966003	0.2964016	0.7670669	0.9224026
10	mean_fd	0.7918287	2.6723365	0.2963058	0.7671400	0.9441723
22	DXCtrl:Sex2	-0.2306350	0.7809004	-0.2953450	0.7678732	0.9893052
42	Sex2	0.1823698	0.6194111	0.2944244	0.7685760	0.9224026
19	DXCtrl	0.1879966	0.6497079	0.2893556	0.7724491	0.9865195
35	Sex2	-0.1970952	0.6813466	-0.2892730	0.7725122	0.9224026
31	Edu	-0.0331806	0.1165841	-0.2846064	0.7760830	0.9658172

roidx	term	estimate	std.error	statistic	p.value	p_bonf
21	Edu	0.0285020	0.1005076	0.2835809	0.7768684	0.9658172
16	SiteCOBRE	-0.1850371	0.6643729	-0.2785138	0.7807521	0.9447070
20	SiteZHH	-0.1187653	0.4270859	-0.2780829	0.7810827	0.9189209
45	Edu	0.0277077	0.1012184	0.2737417	0.7844149	0.9658172
72	DXCtrl:Sex2	-0.2403617	0.8874610	-0.2708420	0.7866428	0.9893052
48	DXCtrl:Sex2	0.2664694	0.9911160	0.2688579	0.7881683	0.9893052
24	DXCtrl	-0.1874782	0.7087563	-0.2645171	0.7915085	0.9865195
58	age	-0.0063612	0.0240889	-0.2640713	0.7918518	0.9780398
72	DXCtrl	-0.1552255	0.5950334	-0.2608686	0.7943190	0.9865195
69	Sex2	0.1972288	0.7710766	0.2557836	0.7982405	0.9391065
43	DXCtrl:Sex2	-0.2325230	0.9212779	-0.2523918	0.8008591	0.9893052
8	SiteZHH	-0.1610327	0.6403194	-0.2514881	0.8015572	0.9293417
38	SiteCOBRE	-0.1467327	0.5874029	-0.2497990	0.8028623	0.9447070
59	age	-0.0067075	0.0275861	-0.2431464	0.8080082	0.9780398
28	DXCtrl:Sex2	0.2204057	0.9177381	0.2401618	0.8103195	0.9893052
14	Edu	0.0262218	0.1115075	0.2351573	0.8141989	0.9658172
1	mean_fd	-0.5372254	2.3262684	-0.2309387	0.8174725	0.9590997
16	age	-0.0063473	0.0275742	-0.2301901	0.8180538	0.9780398
48	mean_fd	-0.5930942	2.5834935	-0.2295706	0.8185349	0.9590997
47	mean_fd	0.5888022	2.5760860	0.2285646	0.8193162	0.9590997
48	SiteCOBRE	0.1646902	0.7305864	0.2254219	0.8217584	0.9447070
60	SiteZHH	-0.1013808	0.4554783	-0.2225809	0.8239677	0.9349610
68	DXCtrl	0.1728363	0.7889768	0.2190638	0.8267045	0.9865195
53	SiteCOBRE	-0.1570934	0.7172935	-0.2190086	0.8267475	0.9447070
59	DXCtrl	0.1315547	0.6045665	0.2176018	0.8278429	0.9865195
67	age	-0.0071506	0.0330110	-0.2166136	0.8286124	0.9780398
50	mean_fd	0.4473437	2.0759509	0.2154886	0.8294888	0.9590997
61	Edu	-0.0301004	0.1397731	-0.2153515	0.8295956	0.9658172
13	SiteZHH	0.1227500	0.5706182	0.2151175	0.8297779	0.9349610
42	Edu	-0.0224521	0.1050884	-0.2136494	0.8309220	0.9658172
58	Edu	-0.0197932	0.0934421	-0.2118232	0.8323456	0.9658172
38	DXCtrl:Sex2	0.1671182	0.7968727	0.2097176	0.8339877	0.9893052
49	SiteCOBRE	-0.1324919	0.6359985	-0.2083211	0.8350771	0.9447070
17	Sex2	0.1702619	0.8221043	0.2071050	0.8360261	0.9693056
41	Edu	-0.0215043	0.1052355	-0.2043441	0.8381815	0.9658172
49	DXCtrl	0.1165288	0.5784969	0.2014337	0.8404549	0.9865195
8	Edu	-0.0286750	0.1426997	-0.2009464	0.8408357	0.9658172
43	age	-0.0056398	0.0281857	-0.2000954	0.8415008	0.9780398
31	age	-0.0059347	0.0300548	-0.1974623	0.8435593	0.9780398
63	DXCtrl	0.1443629	0.7334145	0.1968368	0.8440485	0.9865195
32	mean_fd	0.5316272	2.7885174	0.1906487	0.8488910	0.9590997
29	Edu	-0.0204242	0.1077226	-0.1896003	0.8497120	0.9658172
51	Edu	0.0183822	0.0969933	0.1895202	0.8497747	0.9658172
45	mean_fd	0.4172933	2.2231984	0.1876995	0.8512009	0.9590997
11	Sex2	0.1095965	0.5941135	0.1844706	0.8537315	0.9756931
39	DXCtrl:Sex2	0.1615501	0.9033555	0.1788333	0.8581530	0.9893052
71	SiteCOBRE	-0.1184299	0.6672472	-0.1774903	0.8592070	0.9447070
75	SiteCOBRE	0.1272605	0.7207634	0.1765635	0.8599346	0.9447070
29	DXCtrl:Sex2	0.1570947	0.9077008	0.1730688	0.8626790	0.9893052
71	SiteZHH	-0.0829579	0.4820335	-0.1721000	0.8634401	0.9510678
63	SiteCOBRE	0.1376850	0.8063147	0.1707584	0.8644943	0.9447070
74	Edu	-0.0160747	0.0957106	-0.1679511	0.8667009	0.9658172

roidx	term	estimate	std.error	statistic	p.value	p_bonf
6	SiteZHH	-0.1049566	0.6304059	-0.1664905	0.8678494	0.9510678
8	DXCtrl	0.1340147	0.8062155	0.1662269	0.8680567	0.9865195
31	Sex2	0.1124724	0.6871688	0.1636751	0.8700640	0.9757202
49	DXCtrl:Sex2	-0.1339341	0.8627977	-0.1552324	0.8767111	0.9893052
21	SiteCOBRE	-0.0956561	0.6242835	-0.1532254	0.8782926	0.9447070
25	Edu	0.0151791	0.1010307	0.1502425	0.8806439	0.9658172
31	DXCtrl	0.0986469	0.6586692	0.1497670	0.8810188	0.9865195
14	DXCtrl	-0.0907521	0.6299879	-0.1440538	0.8855256	0.9865195
50	DXCtrl:Sex2	-0.1141740	0.7964054	-0.1433617	0.8860718	0.9893052
60	DXCtrl:Sex2	-0.1220173	0.8553230	-0.1426564	0.8866285	0.9893052
37	Sex2	-0.0870065	0.6139036	-0.1417266	0.8873625	0.9757202
11	DXCtrl:Sex2	-0.1159481	0.8493394	-0.1365156	0.8914778	0.9893052
23	age	-0.0045163	0.0332091	-0.1359963	0.8918880	0.9819882
73	SiteCOBRE	0.0778613	0.5796296	0.1343293	0.8932052	0.9447070
75	mean_fd	-0.3359380	2.5487576	-0.1318046	0.8952006	0.9811860
19	mean_fd	-0.3324992	2.5258585	-0.1316381	0.8953323	0.9811860
54	DXCtrl:Sex2	-0.1251340	0.9538624	-0.1311867	0.8956891	0.9893052
50	Edu	0.0123324	0.0945144	0.1304813	0.8962468	0.9658172
2	SiteCOBRE	0.0890350	0.6905563	0.1289322	0.8974717	0.9447070
1	Sex2	0.0801083	0.6242593	0.1283253	0.8979517	0.9757202
80	age	-0.0046657	0.0370571	-0.1259047	0.8998664	0.9819882
3	SiteZHH	0.0564123	0.4545002	0.1241194	0.9012789	0.9587783
63	Edu	-0.0158778	0.1298140	-0.1223117	0.9027094	0.9658172
22	age	-0.0028915	0.0238910	-0.1210281	0.9037254	0.9819882
20	Sex2	-0.0651395	0.5610039	-0.1161123	0.9076178	0.9757202
53	Edu	0.0133510	0.1154819	0.1156111	0.9080149	0.9658172
77	SiteZHH	0.0544387	0.4728681	0.1151245	0.9084003	0.9587783
72	Edu	-0.0115095	0.1053206	-0.1092810	0.9130307	0.9658172
59	SiteZHH	0.0524629	0.4801640	0.1092603	0.9130471	0.9587783
24	mean_fd	0.2976053	2.7554201	0.1080072	0.9140405	0.9881518
4	DXCtrl:Sex2	0.0956086	0.8988909	0.1063629	0.9153442	0.9893052
34	DXCtrl	-0.0633683	0.6124077	-0.1034741	0.9176350	0.9865195
3	Sex2	0.0588724	0.5970142	0.0986113	0.9214929	0.9757202
65	SiteZHH	0.0619441	0.6390347	0.0969339	0.9228241	0.9587783
70	DXCtrl:Sex2	0.0992262	1.0281867	0.0965060	0.9231638	0.9893052
42	DXCtrl	0.0548011	0.5937217	0.0923010	0.9265020	0.9865195
45	age	0.0022759	0.0260936	0.0872210	0.9305365	0.9819882
14	mean_fd	-0.2104399	2.4491933	-0.0859221	0.9315684	0.9889352
39	age	-0.0022985	0.0276374	-0.0831646	0.9337594	0.9819882
6	Edu	-0.0111448	0.1404904	-0.0793275	0.9368091	0.9658172
55	mean_fd	0.2085561	2.7456984	0.0759574	0.9394884	0.9889352
16	DXCtrl	-0.0453168	0.6043060	-0.0749898	0.9402578	0.9865195
73	Edu	0.0069637	0.0933184	0.0746228	0.9405496	0.9658172
14	age	0.0020531	0.0287460	0.0714231	0.9430943	0.9819882
77	age	-0.0018718	0.0271669	-0.0688994	0.9451018	0.9819882
71	age	-0.0019059	0.0276935	-0.0688217	0.9451636	0.9819882
3	DXCtrl	-0.0392477	0.5722537	-0.0685844	0.9453524	0.9865195
61	DXCtrl	0.0517228	0.7896812	0.0654983	0.9478077	0.9865195
69	Edu	-0.0083386	0.1308198	-0.0637415	0.9492057	0.9658172
1	DXCtrl:Sex2	0.0543407	0.8924356	0.0608904	0.9514749	0.9893052
16	Edu	0.0063027	0.1069618	0.0589245	0.9530397	0.9658172
80	Edu	-0.0083429	0.1437466	-0.0580391	0.9537445	0.9658172

roidx	term	estimate	std.error	statistic	p.value	p_bonf
17	DXCtrl:Sex2	-0.0679061	1.1752731	-0.0577790	0.9539516	0.9893052
10	DXCtrl:Sex2	0.0544122	1.0251991	0.0530747	0.9576971	0.9893052
48	DXCtrl	0.0352132	0.6645329	0.0529893	0.9577651	0.9865195
69	SiteCOBRE	0.0428112	0.8125620	0.0526867	0.9580061	0.9824611
15	age	-0.0015226	0.0295267	-0.0515669	0.9588978	0.9834849
70	Sex2	-0.0367960	0.7192173	-0.0511612	0.9592209	0.9757202
19	Sex2	0.0339554	0.6778198	0.0500950	0.9600700	0.9757202
41	Sex2	0.0307593	0.6202783	0.0495895	0.9604726	0.9757202
60	Sex2	-0.0273775	0.5982990	-0.0457589	0.9635237	0.9757202
80	mean_fd	-0.1411884	3.1573050	-0.0447180	0.9643529	0.9961964
65	DXCtrl:Sex2	-0.0533314	1.2000155	-0.0444423	0.9645726	0.9893052
11	SiteCOBRE	-0.0276909	0.6260779	-0.0442291	0.9647423	0.9824611
49	Edu	-0.0041519	0.1023936	-0.0405481	0.9676750	0.9676750
46	DXCtrl	-0.0279978	0.7170147	-0.0390478	0.9688705	0.9865195
47	SiteZHH	0.0197809	0.5262777	0.0375864	0.9700350	0.9942955
55	SiteCOBRE	-0.0290425	0.7764563	-0.0374039	0.9701803	0.9824611
49	Sex2	0.0158461	0.6035276	0.0262557	0.9790656	0.9790656
35	DXCtrl:Sex2	0.0244381	0.9740470	0.0250893	0.9799954	0.9924004
2	mean_fd	0.0590875	2.4419396	0.0241970	0.9807068	0.9961964
32	DXCtrl	0.0158446	0.7172697	0.0220902	0.9823863	0.9865195
33	age	0.0006587	0.0300305	0.0219355	0.9825096	0.9935650
77	SiteCOBRE	0.0122397	0.6545602	0.0186991	0.9850898	0.9850898
77	DXCtrl	-0.0100655	0.5953804	-0.0169060	0.9865195	0.9865195
38	mean_fd	-0.0345295	2.0771691	-0.0166233	0.9867448	0.9961964
34	SiteZHH	0.0062624	0.4863917	0.0128752	0.9897334	0.9942955
57	age	0.0001980	0.0245296	0.0080699	0.9935650	0.9935650
21	SiteZHH	0.0032263	0.4509956	0.0071538	0.9942955	0.9942955
71	mean_fd	-0.0112545	2.3595140	-0.0047698	0.9961964	0.9961964
79	DXCtrl:Sex2	0.0007943	1.0978698	0.0007235	0.9994231	0.9994231