

ps2
Cali Li
10/11/2019

Data setup

```
## -- Attaching packages ----- tidyverse 1.2.1 --

## v ggplot2 3.2.1    v purrr  0.3.2
## v tibble  2.1.3    v dplyr  0.8.3
## v tidyr   1.0.0    v stringr 1.4.0
## v readr   1.3.1    v forcats 0.4.0

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()

## Loading required package: Matrix

##
## Attaching package: 'Matrix'

## The following objects are masked from 'package:tidyr':
##
##   expand, pack, unpack

##
## Attaching package: 'lmerTest'

## The following object is masked from 'package:lme4':
##
##   lmer

## The following object is masked from 'package:stats':
##
##   step

## Welcome to mousetrap 3.1.3!

## Summary of recent changes: http://pascalkieslich.github.io/mousetrap/news

## Forum for questions: http://forum.cogsci.nl/index.php?p=/categories/mousetrap

##
## Attaching package: 'kableExtra'

## The following object is masked from 'package:dplyr':
##
##   group_rows
```

```
## Parsed with column specification:
## cols(
##   .default = col_double(),
##   METROMICRO = col_character(),
##   UATYP10 = col_character(),
##   CLIMATE_REGION_PUB = col_character(),
##   IECC_CLIMATE_PUB = col_character()
## )

## See spec(...) for full column specifications.
```

Question 1.a

```
## # A tibble: 1 x 3
##   std_err   lwr   upr
##   <dbl> <dbl> <dbl>
## 1     1.00 6536. 6540.
```

Question 1.c

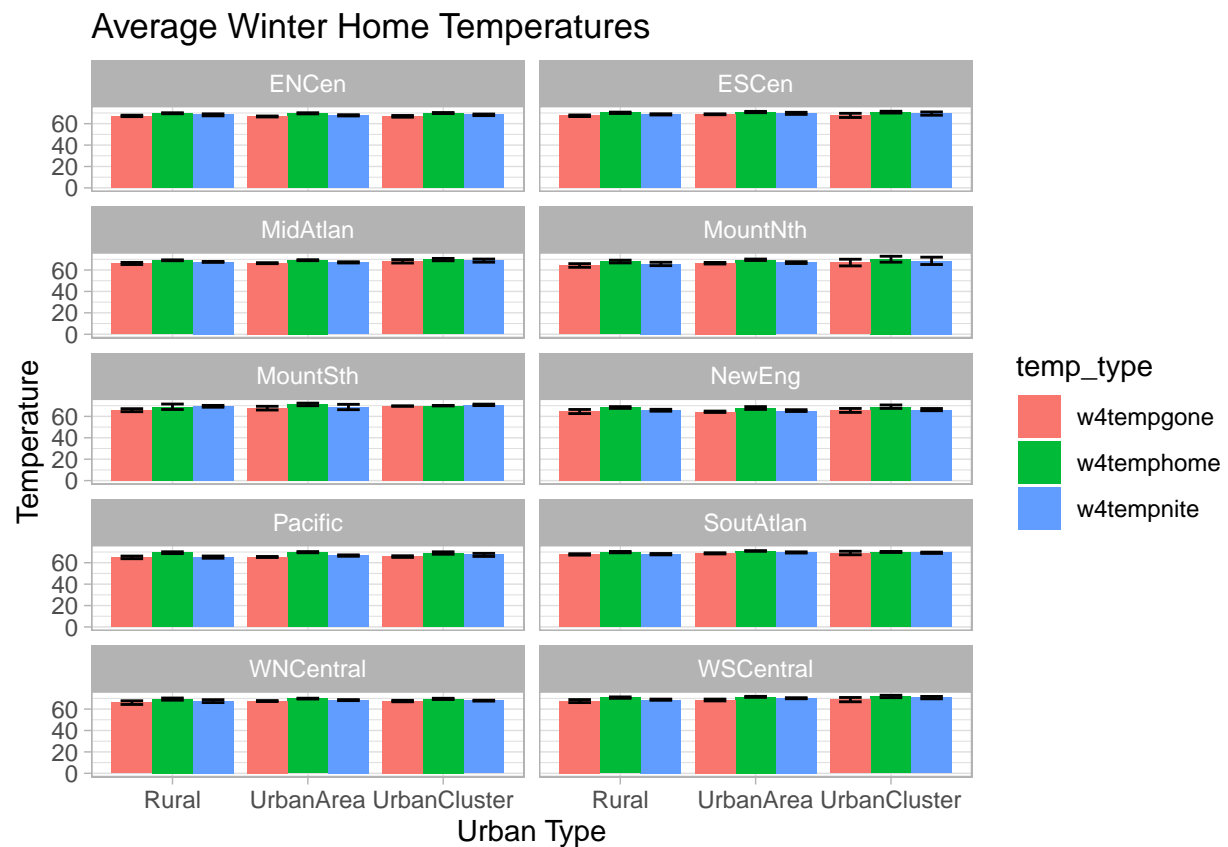


Table 1: Median difference between the daytime (with someone home) and nighttime temperatures for each level of "main heating equipment household behavior".

Heating Equipment Behavior	Difference	Lower Bound	Upper Bound
As needed	13	7.6	18.4
Automatically adjust the temperature	8	5.2	10.8
Does not control it	0	-2.3	2.3
Manually adjust it at night or go out	-2	-4.0	0.0
Other	2	1.5	2.5
Set one temperature	0	-0.9	0.9

Question 1.d

Question 2.a

```
# Data:
kh2017 <- KH2017_raw
source('ps2_q2_funcs.R')
```

Question 2.b - c

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
1	2	Typical	Loewe	1063.0023	85.082153	6.0321707	46527.0000
1	3	Typical	Kaninchen	1032.6796	65.418962	14.5527204	16242.4981
1	4	Atypical	Seeloewe	1153.4637	99.183729	18.1723397	54516.0103
1	5	Typical	Alligator	1049.8051	64.340414	20.6840937	32053.5000
1	6	Atypical	Pinguin	1961.6948	623.550220	92.4561279	228192.8518
1	7	Typical	Katze	1587.1767	598.199317	90.8554285	315863.5000
1	8	Typical	Spatz	2118.2794	880.764100	165.5164079	550035.8298
1	9	Typical	Chamaeleon	1266.8823	210.788834	28.3628766	153632.7340
1	10	Typical	Pferd	1150.6671	76.832705	17.5455821	51609.0000
1	11	Atypical	Schmetterling	1028.2022	71.333841	17.9555103	48131.5000
1	12	Typical	Hai	1106.0106	97.726945	4.6596960	70573.2856
1	14	Typical	Falke	1283.1526	154.122140	19.1521322	97678.8649
1	15	Atypical	Wal	1026.1785	84.530806	8.0193475	44149.3795
1	16	Atypical	Fledermaus	1038.9742	162.908665	8.2297008	85775.5765
1	17	Typical	Lachs	1447.8830	276.245466	33.7085639	207243.5000
1	18	Typical	Goldfisch	1246.2585	237.490665	31.6555592	162504.8439
1	19	Typical	Hund	1058.2586	66.788841	12.2766807	33117.9072
2	1	Typical	Katze	1032.1094	96.028617	17.1573825	50450.3374
2	2	Atypical	Pinguin	1032.5043	31.907564	3.2840093	15579.5972
2	3	Atypical	Schmetterling	2388.8331	984.891030	180.5130598	463585.0115
2	4	Typical	Spatz	986.8080	37.897345	7.2494482	22885.5724
2	5	Typical	Falke	1848.5060	664.915930	92.3710912	281493.6521
2	6	Atypical	Aal	1173.8763	38.076904	2.4962273	21351.0467
2	7	Typical	Hund	1215.7647	17.663231	2.1540121	9951.7172
2	8	Typical	Klapperschlange	1097.7993	78.461141	5.7897810	49383.6417
2	9	Atypical	Fledermaus	1055.3991	64.890049	14.3121185	13519.3190
2	10	Typical	Goldfisch	1089.1818	56.649081	19.0328273	29887.0000
2	11	Typical	Loewe	1077.4662	26.937136	2.1571030	11485.3588

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
2	12	Typical	Hai	1161.2360	34.635151	1.8286855	16933.4627
2	13	Typical	Kaninchen	1204.9779	193.293691	24.6079875	146548.5000
2	14	Typical	Lachs	1051.4147	17.497559	1.0672097	7061.6135
2	15	Typical	Pferd	1140.5154	65.986864	7.8357363	43830.0000
2	16	Atypical	Wal	2327.8059	1019.049018	241.5763137	458158.0000
2	17	Typical	Chamaeleon	1145.3901	144.974237	22.2793855	81827.6176
2	18	Atypical	Seeloewe	2937.2190	109.672778	54.0333418	106392.0644
2	19	Typical	Alligator	1122.0484	91.847893	17.5339855	46602.2869
3	1	Typical	Spatz	2174.9625	617.808403	148.7924034	484707.8977
3	2	Typical	Hund	1221.2476	44.646479	6.6850156	27802.6354
3	3	Atypical	Wal	2839.8501	605.776617	103.3649044	125169.0224
3	4	Typical	Pferd	1064.9383	72.381473	34.9763604	36334.4029
3	5	Atypical	Schmetterling	1102.4725	45.533305	6.5641425	20281.8042
3	6	Atypical	Fledermaus	2078.1703	798.636121	230.4690372	494752.5000
3	7	Typical	Alligator	2571.6927	972.266022	257.0258437	414769.9328
3	8	Typical	Falke	2601.0089	878.116871	251.4291310	401384.8547
3	9	Typical	Chamaeleon	2161.2240	792.495662	136.4571276	456937.2314
3	10	Typical	Kaninchen	1157.1049	141.337896	18.5313643	91712.5000
3	11	Atypical	Pinguin	3118.3538	686.621671	94.4238368	223373.1329
3	12	Typical	Katze	2069.6978	849.020975	188.2766157	499195.5000
3	13	Typical	Loewe	1079.5016	58.060544	9.1572115	30900.9362
3	14	Atypical	Seeloewe	5241.8334	972.446327	231.5883035	388665.9067
3	16	Atypical	Aal	1121.0568	126.143002	33.4829179	72342.3285
3	17	Typical	Lachs	1171.8183	47.034829	10.2402865	31908.8905
3	18	Typical	Klapperschlange	1524.1275	419.169967	43.5046061	233116.7980
3	19	Typical	Goldfisch	1127.9729	72.698960	16.4657284	55383.5000
4	1	Typical	Katze	1150.2300	131.560792	47.4582018	96719.0000
4	2	Atypical	Fledermaus	2915.0544	865.890031	248.4095181	178569.6702
4	3	Typical	Kaninchen	1216.3734	189.267090	39.7740224	100422.7065
4	4	Typical	Spatz	1167.8023	109.635375	30.3243393	67762.0054
4	5	Typical	Loewe	1181.9162	245.814037	36.2261255	136396.5172
4	6	Typical	Hund	1117.6425	179.250089	33.4131703	119374.5000
4	7	Atypical	Wal	3802.6638	922.150993	248.8561033	343477.9849
4	8	Typical	Alligator	1118.0204	172.847023	33.4460406	95512.9900
4	9	Atypical	Aal	2568.3902	1033.936804	350.8140573	367719.9711
4	10	Typical	Lachs	1131.6272	187.297698	34.3086906	126666.3825
4	11	Typical	Goldfisch	1060.8145	120.081677	20.2821069	73778.0000
4	12	Typical	Falke	2336.8548	1015.251902	313.4989191	449936.0000
4	13	Typical	Pferd	1607.4996	464.142596	89.2236957	206681.4828
4	14	Typical	Chamaeleon	1137.5408	87.405887	23.5500277	43610.7027
4	15	Atypical	Schmetterling	1646.7266	240.200159	45.7641024	46308.6204
4	16	Typical	Klapperschlange	2626.8739	910.515034	380.4419865	458887.5000
4	17	Atypical	Seeloewe	1829.0873	674.082157	204.2282545	406935.0638
4	18	Typical	Hai	1775.3442	271.192570	61.4984199	172263.0475
5	1	Atypical	Fledermaus	1823.6995	728.028453	197.6429165	307093.2812
5	2	Typical	Spatz	1443.8925	139.480969	14.9288981	108609.2285
5	3	Typical	Goldfisch	1115.8078	190.789853	29.4200375	78586.8141
5	4	Typical	Loewe	1127.3165	173.995582	22.1715642	88708.8671
5	5	Typical	Katze	1053.5835	105.752932	27.6159417	64278.3289
5	6	Typical	Alligator	1258.8348	198.480341	37.0332416	118767.0260
5	7	Atypical	Wal	1732.7243	550.098577	155.0577959	285361.8574
5	8	Typical	Lachs	1137.4207	189.788520	40.3399324	106540.3443

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
5	9	Atypical	Pinguin	4400.5152	882.633460	295.2470569	161058.0262
5	10	Typical	Hund	990.5751	31.016092	5.0227682	15382.2052
5	11	Typical	Chamaeleon	1285.6372	341.936285	80.2289706	132728.6974
5	12	Atypical	Aal	1064.5766	70.892134	18.7399905	38942.5995
5	13	Typical	Kaninchen	982.9857	112.995299	17.9411341	54211.5813
5	14	Typical	Pferd	1057.3908	61.663444	10.9176270	32383.4578
5	15	Typical	Klapperschlange	1053.7486	66.518437	14.2381859	35585.3007
5	16	Typical	Falke	2894.0165	944.621642	302.4022818	228854.3971
5	17	Typical	Hai	1041.6047	48.031072	8.2922963	37220.5000
5	18	Atypical	Seeloewe	998.0022	16.631850	5.9523278	6492.1024
5	19	Atypical	Schmetterling	1127.7769	114.393161	27.6897155	46627.0994
6	1	Atypical	Schmetterling	1650.7691	464.899102	90.3878255	275254.3537
6	2	Typical	Katze	1092.7747	7.855921	1.7928901	3588.5205
6	3	Typical	Chamaeleon	2262.1927	938.394242	368.7013995	604660.5000
6	4	Typical	Goldfisch	953.1011	10.022057	1.9760060	4509.1006
6	5	Typical	Hund	1045.5858	48.481795	10.8627895	33776.0787
6	6	Atypical	Fledermaus	5134.2115	1093.631682	430.9540285	562160.2107
6	7	Typical	Spatz	1365.2287	195.838038	50.5967885	132018.7773
6	8	Atypical	Seeloewe	1033.0088	111.777425	20.0980338	33536.7183
6	9	Typical	Pferd	1298.0314	273.553034	54.6371401	157177.7273
6	10	Atypical	Pinguin	2384.0026	1076.224026	580.3420183	526527.5000
6	11	Typical	Loewe	923.9650	84.836203	16.3958832	51009.0000
6	12	Typical	Kaninchen	1123.1502	38.146183	5.8622027	23219.6604
6	13	Atypical	Wal	2354.9746	991.609127	473.8830844	566454.9746
6	14	Typical	Alligator	1165.2552	71.206062	11.8499102	33966.5815
6	15	Atypical	Aal	1073.3244	45.561439	7.1294631	28217.7700
6	16	Typical	Hai	1335.7870	205.407538	32.1005314	149048.5000
6	17	Typical	Klapperschlange	5573.4848	1019.615324	395.8832910	17767.7770
6	18	Typical	Falke	1095.2994	61.938884	9.3881090	39084.5000
6	19	Typical	Lachs	1009.8125	5.487593	0.5243761	1715.5107
7	1	Typical	Hund	1252.5503	35.468234	4.7235622	19981.1991
7	2	Typical	Loewe	1537.7881	544.107090	128.6043623	204539.9233
7	3	Typical	Pferd	1050.3985	147.273569	52.3185814	101419.5000
7	4	Typical	Goldfisch	1048.2657	53.582403	12.6425720	22111.3838
7	5	Typical	Kaninchen	1109.8591	61.865178	18.5377330	29034.2564
7	6	Typical	Spatz	1145.5430	125.861082	22.5453060	45809.5676
7	7	Typical	Lachs	1167.5676	103.332221	28.7368892	65462.3955
7	8	Atypical	Pinguin	2668.5382	959.730883	497.2947015	543536.0000
7	9	Typical	Katze	2191.2882	855.824102	225.5618863	270725.5000
7	10	Typical	Alligator	1177.0626	281.211732	65.6224320	157152.5000
7	11	Atypical	Aal	1129.6880	231.794897	52.6424884	146290.5000
7	12	Typical	Chamaeleon	1026.0503	74.827479	20.3200619	38548.0000
7	13	Atypical	Seeloewe	1050.2977	27.911325	5.2231561	12614.9564
7	14	Typical	Klapperschlange	1101.5285	90.713626	23.1962759	53325.3469
7	15	Atypical	Fledermaus	965.2083	35.152071	9.9544278	17521.8239
7	16	Atypical	Schmetterling	1868.4624	724.227461	196.8186375	433599.0000
7	17	Typical	Hai	1582.3306	582.420911	142.9710542	345809.5000
7	18	Typical	Falke	1062.6919	68.869237	13.0870289	41504.0806
7	19	Atypical	Wal	2081.8717	877.028798	344.0577551	435991.5000
8	1	Atypical	Pinguin	1069.1577	18.411298	1.7570152	10133.9932
8	2	Typical	Klapperschlange	1052.8735	134.354909	15.0889468	56468.8248
8	4	Atypical	Wal	1075.7277	73.957650	4.7176452	44124.7916

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
8	5	Atypical	Schmetterling	1070.1754	92.376231	5.0481063	62945.4185
8	7	Typical	Spatz	1027.4223	77.944947	16.8890786	38501.5000
8	8	Typical	Kaninchen	2622.0956	989.531844	268.9288339	181128.4819
8	9	Typical	Lachs	1253.1406	128.514217	18.7182654	84863.5000
8	10	Typical	Loewe	1009.1203	47.811923	4.4020072	12198.2388
8	11	Typical	Alligator	982.8217	29.120263	5.0275243	16514.2864
8	12	Typical	Falke	1054.4367	24.815909	3.4643875	9564.3015
8	13	Typical	Hai	1074.1693	57.587851	16.8943108	20672.4138
8	14	Typical	Pferd	1076.4840	37.008629	5.8833299	16401.2301
8	15	Typical	Hund	1005.5603	40.683976	6.0550268	21909.8843
8	16	Atypical	Aal	1045.6523	91.971993	11.9782646	49989.1425
8	17	Typical	Chamaeleon	1060.5194	87.052841	12.1953564	50872.7378
8	18	Atypical	Seeloewe	1075.0563	88.577082	10.2988169	50213.9143
8	19	Typical	Goldfisch	1838.3380	716.468625	171.0437815	300112.2233
9	1	Typical	Goldfisch	1092.0764	74.205501	7.3029446	36134.4045
9	2	Typical	Katze	1029.7168	39.603269	8.3169216	16236.7788
9	3	Typical	Alligator	1070.5187	96.356325	21.2757548	47211.6019
9	4	Typical	Pferd	1094.3220	123.424663	21.0350734	71570.2355
9	5	Atypical	Schmetterling	1074.0120	106.376171	10.0628175	66580.7108
9	7	Typical	Chamaeleon	1315.1731	146.480215	20.8693787	125206.5404
9	9	Atypical	Aal	1103.4622	114.880009	20.1537182	47097.8805
9	11	Atypical	Pinguin	1019.5050	48.296879	17.6005097	30491.0000
9	12	Typical	Klapperschlange	2480.8671	996.342437	321.9985453	493614.6287
9	13	Typical	Falke	1165.6767	95.171910	19.2958134	50092.0433
9	14	Typical	Spatz	2040.6169	839.960232	214.4553880	501780.5000
9	15	Typical	Loewe	2884.8104	976.064429	178.8381505	177136.0000
9	16	Typical	Lachs	1482.5329	252.282616	91.0290566	91846.1173
9	17	Typical	Kaninchen	1121.7944	87.351712	14.5645648	39055.0647
9	19	Typical	Hund	1325.4857	220.641855	33.7009588	139491.3668
10	1	Typical	Hai	1086.8347	85.339331	12.4877148	51446.3234
10	2	Typical	Loewe	1717.9449	667.708943	147.3973410	334665.5000
10	3	Typical	Klapperschlange	1285.8307	54.180146	12.1067336	30745.7074
10	4	Atypical	Seeloewe	1039.2938	57.878130	8.5582289	30691.5478
10	5	Typical	Spatz	1073.6180	35.223351	3.9010571	11331.2985
10	6	Typical	Alligator	1128.0231	199.482718	30.3059136	106349.0000
10	7	Atypical	Aal	1045.1776	87.249436	6.6653259	51864.6831
10	8	Atypical	Pinguin	1078.2908	67.317271	12.3256088	20478.4473
10	9	Typical	Hund	1010.5993	94.080932	13.0286984	54244.0000
10	10	Typical	Lachs	1036.0494	123.246835	27.4575371	77388.3552
10	11	Typical	Kaninchen	1032.2502	23.392765	3.6562368	15225.4757
10	12	Typical	Pferd	1012.0632	35.827570	9.0226759	19502.1715
10	13	Typical	Falke	1083.5790	150.209978	20.0561409	87856.2587
10	14	Typical	Katze	1101.5621	65.543823	6.1797917	30775.6835
10	15	Atypical	Schmetterling	1260.4112	271.273211	94.1709669	111347.5000
10	16	Typical	Goldfisch	1075.9662	64.455712	7.7550673	34897.6646
10	17	Typical	Chamaeleon	1086.0384	63.732588	13.4309312	46029.5000
10	18	Atypical	Fledermaus	1529.0240	504.866206	131.6969106	295971.4303
10	19	Atypical	Wal	1657.1685	585.084129	147.7433074	267023.4998
11	1	Typical	Loewe	1244.1241	255.441792	45.8961085	99962.0593
11	2	Typical	Chamaeleon	1087.2832	40.283427	9.9634262	24187.0111
11	3	Typical	Spatz	2015.7939	611.269510	43.1119064	223399.5120
11	4	Typical	Katze	1040.9758	62.310690	12.7345245	30726.7088

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
11	5	Typical	Lachs	1002.2974	61.113856	7.3045427	31400.9210
11	6	Typical	Klapperschlange	989.9766	50.967095	5.3094275	27477.5239
11	7	Atypical	Seeloewe	2139.0051	843.773061	307.8727629	347378.0636
11	8	Typical	Falke	1576.0572	591.526860	77.0043132	292949.0000
11	9	Typical	Alligator	1063.6805	113.411828	21.0695014	68260.0000
11	10	Atypical	Aal	2334.7472	881.813197	624.8331884	466953.1187
11	11	Typical	Goldfisch	1021.8227	97.872576	15.5611784	55087.0574
11	12	Atypical	Pinguin	1153.6814	111.165783	22.9263739	80843.0000
11	13	Atypical	Fledermaus	1141.2053	150.701950	10.6864857	61830.1235
11	14	Atypical	Schmetterling	1681.1874	542.125485	119.5627539	278316.9913
11	15	Atypical	Wal	1072.6023	202.561804	12.7303911	115587.0000
11	16	Typical	Pferd	1006.7438	79.512233	13.3387640	46398.1585
11	17	Typical	Kaninchen	1301.3283	41.056776	21.1987309	19518.3721
11	18	Typical	Hund	1042.6756	109.125050	13.4917044	51148.6845
11	19	Typical	Hai	1361.1955	155.064761	13.8957425	103196.5011
12	1	Typical	Katze	1532.1731	22.475386	5.1347304	15491.6083
12	2	Typical	Kaninchen	1303.9191	123.471473	16.2071736	61995.3117
12	3	Typical	Spatz	1151.0032	22.312226	3.1399611	9822.0617
12	4	Atypical	Pinguin	1546.9975	460.446805	42.6860329	223020.5000
12	5	Typical	Hund	963.3599	51.486728	22.0522469	19963.6708
12	6	Typical	Hai	1292.0478	177.931544	25.4944241	42055.5688
12	7	Typical	Chamaeleon	1304.4289	28.537096	2.5418176	19309.4827
12	8	Typical	Pferd	1208.7988	270.892311	121.4525841	99036.0000
12	9	Atypical	Aal	999.3146	71.702022	40.8900022	43090.0000
12	10	Atypical	Seeloewe	1214.0545	73.110153	20.8696133	34110.7658
12	11	Typical	Loewe	1110.1976	22.467111	4.2848301	15618.4782
12	12	Typical	Lachs	1063.0877	77.250408	10.6336030	41085.5000
12	14	Atypical	Schmetterling	1237.3876	157.791641	26.4720853	54142.7545
12	15	Typical	Alligator	1374.0727	100.620901	19.3785033	64810.2912
12	17	Atypical	Wal	2677.3608	1181.751365	278.0877180	727490.0000
12	18	Typical	Goldfisch	1420.9664	27.210403	10.1101660	15034.0921
12	19	Typical	Falke	2977.6808	103.555086	28.8626076	68892.3853
13	1	Atypical	Wal	2190.2774	838.573517	231.2505417	221919.8394
13	2	Typical	Chamaeleon	1301.9797	234.066224	49.2630385	82272.1958
13	3	Atypical	Aal	2914.6613	892.408233	161.3796144	124634.7551
13	4	Typical	Katze	1400.3122	305.495610	111.6448755	135631.5000
13	5	Typical	Spatz	1165.3288	147.955873	51.5410218	71899.9014
13	6	Typical	Goldfisch	1155.3749	96.930223	40.2103515	55916.0318
13	7	Typical	Loewe	1021.4089	55.556615	8.4391889	29567.4464
13	8	Typical	Hai	1327.7899	157.155919	72.0939169	74028.5815
13	9	Typical	Hund	1293.7941	133.411464	37.8519764	88441.2385
13	10	Atypical	Schmetterling	1036.3745	95.182004	34.7766790	31224.4015
13	11	Atypical	Seeloewe	1017.1176	104.655280	44.7688704	44933.3524
13	12	Typical	Klapperschlange	2474.7046	945.706256	372.4667394	367789.0000
13	13	Typical	Pferd	974.9632	139.937654	14.7441517	73869.8378
13	14	Typical	Falke	1238.4043	208.477471	58.4717096	109389.1963
13	15	Atypical	Fledermaus	1349.1763	299.570555	117.2160412	114648.1002
13	16	Atypical	Pinguin	1095.2741	51.831451	9.2323534	16658.7507
13	17	Typical	Alligator	1189.4601	205.692305	124.9079399	94801.6698
13	18	Typical	Lachs	947.0001	103.673781	37.8827313	64849.5972
13	19	Typical	Kaninchen	1074.0763	92.552504	39.4751179	48801.9249
14	1	Typical	Klapperschlange	1182.8012	194.497586	37.4480143	121584.9398

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
14	2	Typical	Lachs	1117.8366	207.107341	79.2585080	102878.1800
14	3	Typical	Goldfisch	1006.9129	47.006227	7.6025957	23174.2582
14	4	Typical	Loewe	1015.6778	38.474055	11.1062862	21976.0000
14	6	Typical	Falke	1138.2051	126.289261	52.0704758	84712.0000
14	7	Typical	Kaninchen	2207.7550	900.533135	414.3231340	293109.2805
14	8	Atypical	Fledermaus	1823.4502	788.849802	209.6382558	331375.5931
14	9	Typical	Hund	1640.4310	405.624297	50.0605285	208631.6063
14	10	Typical	Spatz	1114.7978	40.970989	7.4395669	19241.8499
14	11	Typical	Pferd	1239.7827	256.750857	69.1492984	119883.5997
14	13	Atypical	Wal	2069.6379	865.642573	193.1731351	473081.0615
14	14	Atypical	Seeloewe	1124.8176	98.671484	32.6170240	80171.9482
14	15	Typical	Chamaeleon	972.9857	30.432156	6.8552515	17697.5308
14	16	Typical	Hai	1021.9228	58.497619	10.0112217	33204.3196
14	17	Typical	Alligator	1132.8078	199.823065	64.5326677	68225.3856
14	18	Atypical	Schmetterling	2158.2739	906.677398	222.4953174	469783.8035
14	19	Atypical	Pinguin	1000.7560	49.211722	16.9389302	28775.1867
15	1	Typical	Spatz	1063.5773	27.261362	3.2964835	16946.2163
15	2	Typical	Katze	989.5797	101.009483	23.9498943	68162.7178
15	3	Atypical	Wal	2390.8369	1015.191653	403.9802331	503519.0000
15	4	Typical	Pferd	1144.7113	213.702064	37.5970703	135674.0000
15	6	Typical	Loewe	1111.5172	36.997117	4.6364260	21754.2148
15	7	Typical	Chamaeleon	1273.6759	205.995128	50.9455471	67610.8931
15	8	Typical	Klapperschlange	2231.1356	923.915601	409.8210524	355657.9762
15	9	Typical	Kaninchen	1119.8861	161.650578	22.1038046	120267.3409
15	10	Typical	Lachs	1066.1188	97.151402	9.9927483	63514.0000
15	12	Typical	Goldfisch	1019.8884	81.153092	10.4188919	39834.7686
15	13	Atypical	Aal	1039.5891	73.532757	9.9595979	41887.5000
15	14	Typical	Alligator	1011.2082	32.656275	3.2886958	14214.0125
15	15	Typical	Hai	1027.5790	82.980820	8.9797319	46448.0727
15	16	Atypical	Schmetterling	995.0519	25.815590	2.1811064	14993.2661
15	17	Atypical	Fledermaus	979.5500	36.469465	4.4755827	16321.1860
15	18	Typical	Falke	1037.9431	108.934747	14.3057559	63161.0000
15	19	Typical	Hund	1896.9193	768.989233	157.1786612	439535.0000
16	1	Typical	Katze	2477.4741	525.267284	245.5616302	219925.5000
16	2	Typical	Spatz	995.7389	125.189641	38.5914241	52177.9585
16	3	Typical	Pferd	3260.9558	951.059546	174.6165849	134006.0000
16	4	Typical	Hund	1260.0377	46.743543	7.0759014	29362.4280
16	5	Typical	Hai	1412.8031	316.261916	83.4859343	161658.5000
16	7	Typical	Chamaeleon	1011.2932	60.255160	13.4016232	26981.5151
16	8	Atypical	Fledermaus	2198.5715	905.566197	279.3321791	344461.6036
16	9	Typical	Klapperschlange	1221.8011	157.922679	25.3558648	83950.3269
16	10	Atypical	Schmetterling	1602.6839	370.726631	136.3863975	215201.9487
16	11	Typical	Alligator	1086.8101	120.614897	25.3340498	38625.8355
16	14	Atypical	Pinguin	1077.5196	50.612091	7.8936527	25987.1169
16	16	Typical	Loewe	2005.2962	874.671297	238.8564240	415244.0000
16	17	Typical	Goldfisch	1109.1434	70.772264	26.7305771	24286.5776
16	18	Typical	Kaninchen	1066.7188	80.761004	26.6347007	29510.4474
16	19	Typical	Lachs	1800.5433	655.190295	225.3263538	388176.5000
17	1	Typical	Loewe	1404.3236	180.803996	28.0269748	51161.9906
17	2	Atypical	Fledermaus	1067.5383	74.346035	8.1428038	45133.6960
17	3	Typical	Lachs	1070.5605	63.083139	4.4708141	41302.5693
17	4	Atypical	Seeloewe	1159.6549	49.254463	1.8266430	25062.3214

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
17	5	Atypical	Aal	1200.3293	154.273075	3.7803344	112254.6204
17	6	Typical	Chamaeleon	1195.2217	142.050971	22.5615360	107522.5000
17	7	Typical	Alligator	957.0673	63.975526	12.4184938	32605.3222
17	8	Typical	Kaninchen	1230.3593	309.796385	40.3098627	210543.5000
17	9	Typical	Goldfisch	1396.7191	332.018035	39.0675194	254755.5000
17	10	Typical	Pferd	1230.5287	124.800304	17.8279083	88505.4025
17	11	Atypical	Schmetterling	1279.6339	232.372744	18.5352230	172931.0101
17	12	Typical	Falke	1038.6840	118.838341	13.0995062	48103.8477
17	13	Atypical	Pinguin	1527.6575	82.101590	5.0537352	68443.7988
17	14	Atypical	Wal	1049.5705	49.897788	5.4557676	31168.6435
17	15	Typical	Katze	1212.0628	91.078879	10.3899874	70204.7285
17	17	Typical	Hund	1516.6973	533.087759	95.1121550	325062.5000
17	18	Typical	Spatz	1079.8540	98.778942	4.4179819	49051.1098
17	19	Typical	Hai	1274.4001	349.437974	41.3918780	231906.0000
18	1	Typical	Hund	1387.5894	117.442289	24.5452784	101568.5000
18	2	Typical	Lachs	1428.6052	387.574981	97.2499436	246386.0000
18	3	Atypical	Aal	2691.2918	836.095019	306.3954338	120766.2705
18	4	Typical	Klapperschlange	3206.6413	951.036353	411.2276474	-26782.5322
18	5	Typical	Alligator	1403.1369	149.166728	23.0283307	60370.6731
18	6	Typical	Spatz	1654.8890	497.968534	99.6512965	410539.5000
18	7	Typical	Falke	1383.3969	85.995157	11.4676682	57097.6179
18	8	Typical	Chamaeleon	1132.3649	144.590163	13.4336708	103017.0000
18	10	Typical	Pferd	2294.1223	997.540833	173.0541903	609432.0000
18	11	Atypical	Seeloewe	1187.8565	40.072511	8.7994148	21151.6743
18	12	Typical	Loewe	1096.8062	78.292542	10.7334164	51059.7940
18	13	Typical	Kaninchen	1322.6795	62.834733	8.2445597	45128.9301
18	14	Atypical	Pinguin	991.0298	44.667744	9.3016107	27170.8262
18	15	Typical	Katze	1098.3637	55.635562	8.7467941	30835.1316
18	16	Typical	Goldfisch	1066.7828	122.631924	21.2127396	80985.5000
18	17	Atypical	Fledermaus	2306.6782	997.891322	548.4091282	540164.0000
18	18	Atypical	Wal	1184.1964	95.975074	15.3627824	75795.7465
18	19	Atypical	Schmetterling	1028.4842	66.339592	19.8552887	35727.5849
19	1	Typical	Lachs	1034.7269	15.783149	2.7155201	8029.8307
19	2	Typical	Klapperschlange	2663.4222	927.862151	227.9623898	331041.5000
19	3	Atypical	Fledermaus	1185.2385	36.962831	3.9227082	20119.3379
19	4	Atypical	Seeloewe	1102.8688	121.813646	20.1845239	58782.1808
19	5	Atypical	Pinguin	1055.5121	65.539471	16.0930649	37124.7001
19	6	Typical	Pferd	1063.1852	77.637989	11.3434098	47090.3489
19	8	Typical	Kaninchen	1078.3530	31.224586	5.3925864	22088.0738
19	9	Atypical	Aal	1007.4512	76.413075	15.6182728	46792.3180
19	10	Typical	Goldfisch	1198.9057	93.542950	19.4618309	42186.2704
19	11	Typical	Katze	1107.6411	87.746571	17.8961568	57913.5000
19	12	Typical	Chamaeleon	1221.3673	53.335774	8.5851719	40219.7166
19	13	Typical	Alligator	1039.8449	18.437853	3.6288580	10364.5792
19	14	Atypical	Schmetterling	1107.0773	20.535662	4.1817579	9651.7609
19	15	Typical	Loewe	1093.6686	14.857713	1.8202151	7313.2243
19	16	Atypical	Wal	3066.9916	838.990081	259.5333797	257472.3723
19	17	Typical	Hund	1051.0079	51.619963	11.4526352	24745.7439
19	18	Typical	Spatz	1276.9561	55.895092	7.9452191	42568.5000
19	19	Typical	Falke	1101.3408	93.367005	20.2851701	45189.2533
20	1	Typical	Katze	1376.1779	186.174794	41.9055294	118529.0015
20	2	Typical	Hund	1135.6247	121.364679	27.6326216	52250.0973

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
20	3	Typical	Lachs	1746.1468	626.256692	91.1286050	370371.9851
20	4	Typical	Chamaeleon	1225.9397	87.057682	11.9595051	54776.1909
20	5	Typical	Pferd	1134.6308	52.967160	5.4717507	31296.9566
20	6	Atypical	Pinguin	1015.8624	54.676340	8.7834207	31968.5000
20	7	Atypical	Schmetterling	1649.5940	620.934861	143.1862233	354424.0000
20	8	Atypical	Fledermaus	1154.3844	104.953734	24.0029845	64729.0000
20	9	Atypical	Aal	1013.8061	41.845875	6.4038860	15012.8898
20	10	Typical	Hai	2258.7681	991.841198	528.2731030	541616.5000
20	11	Typical	Goldfisch	1187.4508	150.363461	29.4619906	87087.9124
20	12	Typical	Kaninchen	1091.4814	51.488676	10.4736279	29636.5000
20	13	Atypical	Wal	1233.5332	53.352308	7.5217909	42502.5000
20	14	Typical	Klapperschlange	1062.7516	60.784143	5.1245581	27524.4141
20	15	Typical	Alligator	1068.2181	48.293601	8.2234630	27281.1355
20	16	Typical	Loewe	1275.1637	94.335764	7.8081537	47446.7322
20	17	Typical	Spatz	1054.5033	42.396285	10.6045311	22425.4830
20	18	Atypical	Seeloewe	3057.6908	921.553194	205.7098284	179761.5000
20	19	Typical	Falke	1117.8309	44.936978	2.7028948	17408.3664
21	1	Typical	Goldfisch	1053.0017	58.877781	14.2517026	24254.8202
21	2	Typical	Chamaeleon	1148.8158	48.728567	5.4938830	28350.9742
21	3	Typical	Hai	2346.8350	1007.557571	215.4396882	498129.5000
21	4	Atypical	Seeloewe	1033.8546	23.731396	2.0686375	15933.4188
21	5	Typical	Katze	1341.3402	381.899620	39.6859076	181920.5000
21	6	Atypical	Fledermaus	1070.4062	129.952505	21.3567653	48330.9826
21	7	Typical	Hund	1370.9011	37.693313	7.7506619	24540.9742
21	8	Atypical	Aal	2407.4571	991.842708	307.5898432	502549.5000
21	9	Typical	Spatz	2520.0642	1091.540182	366.8473603	503236.0000
21	10	Typical	Alligator	1255.5732	59.158727	6.6399658	51116.0000
21	11	Atypical	Wal	2080.5269	843.413410	263.5366559	421851.5000
21	12	Typical	Lachs	1113.3029	45.665094	7.5004871	22860.4518
21	13	Typical	Loewe	2691.9861	1171.200329	150.3477711	510484.5000
21	14	Typical	Falke	3225.4077	901.784429	187.7880698	24100.5871
21	15	Typical	Kaninchen	1273.1239	96.979791	20.4469700	82685.0000
21	16	Atypical	Schmetterling	2365.7801	1009.596762	286.3689977	521601.9732
21	18	Atypical	Pinguin	4836.8122	977.507431	261.4225591	568123.3774
21	19	Typical	Pferd	1199.3483	73.681069	11.9977924	53939.0000
22	1	Typical	Pferd	1225.8554	92.272872	12.3764323	43838.9193
22	2	Typical	Alligator	1146.9273	167.879207	24.4383906	91208.8287
22	3	Typical	Hund	1013.2001	54.509107	5.5203421	28012.4298
22	5	Atypical	Aal	1154.1155	138.491970	18.9438608	94588.5531
22	6	Atypical	Pinguin	1163.8713	106.403456	20.8713394	71304.5454
22	7	Typical	Chamaeleon	1356.6063	87.997704	15.9063672	56185.8190
22	8	Typical	Klapperschlange	950.7709	76.748823	6.9999180	39098.6481
22	9	Atypical	Schmetterling	1089.2782	57.122758	24.3374713	29126.4698
22	10	Typical	Hai	1046.9514	48.145887	10.7577519	25562.2259
22	11	Typical	Loewe	2254.8314	942.794232	221.5281482	430978.9391
22	12	Typical	Falke	1224.0994	166.503210	42.2298349	77982.0116
22	13	Atypical	Seeloewe	2106.1650	745.399603	94.7123625	295718.7572
22	15	Typical	Spatz	1658.8333	360.031745	74.9757614	212661.7829
22	16	Typical	Goldfisch	1203.4707	94.388130	42.6283120	52080.1107
22	17	Typical	Kaninchen	1097.1617	81.668059	19.7816054	53625.5000
22	18	Typical	Lachs	1070.1184	24.478207	6.9797982	13141.0052
22	19	Typical	Katze	1238.3394	145.143018	27.9971351	91027.1608

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
23	1	Atypical	Wal	1831.8538	611.091964	229.0050500	292183.1346
23	2	Typical	Lachs	993.5874	82.887738	18.0822785	46268.3296
23	3	Typical	Loewe	1769.8424	680.362397	144.2540310	401080.3256
23	4	Atypical	Schmetterling	1179.0690	253.780917	25.0068299	165209.6324
23	5	Atypical	Aal	1129.3366	99.586361	13.5558955	57115.9588
23	6	Typical	Goldfisch	2060.1761	666.462087	107.1953297	492405.8050
23	7	Atypical	Fledermaus	2036.2537	785.735616	239.2666326	467228.5000
23	8	Typical	Klapperschlange	1100.7209	80.243193	22.3916409	48249.9971
23	9	Typical	Kaninchen	1089.6890	150.921783	25.0807463	63849.4491
23	10	Typical	Katze	1587.8964	533.804752	76.8397391	373780.9857
23	11	Typical	Alligator	1133.5661	97.983521	19.3658484	56223.4081
23	12	Typical	Chamaeleon	1034.7740	173.594413	26.3220526	103339.3730
23	13	Typical	Hai	1096.0336	160.710667	62.6026559	94765.1144
23	14	Typical	Hund	1174.8905	40.510090	3.5898427	16202.0816
23	15	Typical	Pferd	1244.7815	245.597382	56.5729098	187170.5759
23	16	Atypical	Pinguin	1005.0243	124.894650	28.7160026	67704.9750
23	17	Atypical	Seeloewe	1311.7529	340.093359	57.9360422	145884.5564
23	18	Typical	Spatz	1549.8705	538.827615	78.4552097	247148.5067
23	19	Typical	Falke	2164.3904	756.990732	137.8801846	500468.6442
24	1	Typical	Kaninchen	1062.1016	35.216461	11.6903937	21162.9517
24	2	Atypical	Aal	1042.6792	35.970856	11.3588718	23152.7699
24	3	Typical	Hai	1222.7928	142.216940	25.1562268	106285.2176
24	4	Typical	Klapperschlange	1067.3804	81.939760	15.9050704	64832.1220
24	5	Typical	Chamaeleon	1117.5697	70.799350	11.0738336	42744.0000
24	6	Atypical	Schmetterling	1091.5485	65.926046	20.3549383	31269.0000
24	7	Atypical	Fledermaus	1085.0530	17.888265	4.5687974	9729.0461
24	8	Typical	Falke	1157.1298	37.581118	9.3901089	20162.1498
24	9	Atypical	Seeloewe	2352.4271	793.246579	212.6034680	300554.0000
24	10	Typical	Alligator	1183.0036	101.866677	24.7142728	43168.0784
24	11	Typical	Spatz	1147.4228	51.471538	7.6269176	25177.1542
24	12	Typical	Loewe	1045.3276	40.387469	7.0717622	18382.5744
24	13	Typical	Hund	1136.3850	118.817959	24.9826233	80522.0000
24	14	Typical	Lachs	1244.4869	144.462034	53.3392956	104055.9508
24	15	Atypical	Pinguin	4172.1250	295.173244	64.0565441	204054.7320
24	16	Atypical	Wal	1638.8397	501.486952	275.4852350	243283.2421
24	17	Typical	Goldfisch	2294.1865	977.485896	141.7145502	549793.0000
24	18	Typical	Katze	1083.4966	52.542615	8.5761947	33252.8156
24	19	Typical	Pferd	1102.8686	103.223542	25.2031132	59703.0025
25	1	Atypical	Wal	2380.8612	908.910686	326.1438306	504069.7974
25	2	Typical	Hund	1513.5548	240.042325	57.5351383	133976.4144
25	4	Typical	Lachs	1207.7090	82.614305	15.0029387	49318.7051
25	5	Typical	Kaninchen	1275.7777	188.055740	84.0455352	132110.0000
25	6	Typical	Klapperschlange	1316.3503	36.219332	9.9890097	24977.3355
25	7	Typical	Falke	1253.4192	121.328254	19.7881835	58968.7102
25	8	Atypical	Pinguin	3120.3255	1228.930525	302.1396929	498414.3299
25	9	Typical	Alligator	2395.4727	844.929715	138.5647761	399649.7912
25	10	Atypical	Schmetterling	1089.0950	54.686389	16.9129566	28846.1994
25	11	Atypical	Aal	1295.4438	48.232914	5.6032635	21179.7131
25	12	Typical	Spatz	1298.0281	217.411297	48.6151582	115777.6552
25	13	Typical	Chamaeleon	2171.4994	509.562992	77.9382132	422608.6806
25	14	Typical	Goldfisch	1145.5255	46.417665	7.4876894	26556.7860
25	16	Typical	Loewe	1468.7667	196.761099	38.7559258	123116.4690

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
25	17	Typical	Pferd	1695.2553	498.209137	105.7178393	282032.4921
25	18	Typical	Katze	1231.2572	112.035654	22.5569268	88196.3484
25	19	Typical	Hai	986.7898	18.789842	3.8912407	9149.2552
26	1	Typical	Kaninchen	1271.2519	50.794268	7.4034843	37620.0308
26	2	Atypical	Aal	1433.0173	381.172903	75.7583118	284091.7017
26	3	Typical	Loewe	2386.1186	954.306645	281.5646269	592711.9703
26	5	Typical	Hai	1427.1961	265.143979	54.7912582	123133.2598
26	6	Typical	Pferd	1068.9256	108.908272	26.0588713	51537.7318
26	7	Atypical	Schmetterling	1435.2586	408.480512	77.5249413	241486.6230
26	8	Atypical	Seeloewe	2401.3835	1011.269928	369.1729887	521507.5000
26	9	Atypical	Pinguin	2313.6429	958.466175	310.6922006	434557.0000
26	10	Typical	Hund	2699.0456	1143.907893	325.2491697	600138.1496
26	11	Typical	Spatz	2721.8601	1215.042018	345.1316765	730052.0985
26	12	Typical	Katze	1144.9470	28.336209	7.6671261	17842.0282
26	13	Typical	Chamaeleon	1144.6892	71.320717	21.9356979	41141.7856
26	14	Typical	Goldfisch	1211.6904	67.784969	10.5547598	35654.6245
26	15	Typical	Lachs	2427.1087	834.029891	173.7946436	208186.5000
26	16	Typical	Falke	1140.4893	85.959486	12.8212009	37042.9192
26	17	Atypical	Wal	1288.6627	144.905917	34.4939012	68793.2515
26	18	Atypical	Fledermaus	1164.0721	30.150802	7.6686839	19765.9112
26	19	Typical	Alligator	1399.8268	72.537411	14.5832999	63109.1727
27	1	Typical	Hai	2336.9454	991.138733	291.8213509	534176.0000
27	2	Atypical	Pinguin	1824.2045	640.184333	116.0925737	340709.1164
27	3	Typical	Chamaeleon	1143.4787	34.507232	7.2023876	22500.5121
27	4	Typical	Spatz	1056.5888	27.452754	5.0968786	13900.5504
27	5	Typical	Kaninchen	1041.5450	39.376704	7.0110649	24297.3549
27	6	Typical	Alligator	1048.7908	15.525560	2.5694136	7345.7367
27	7	Typical	Goldfisch	1033.7387	8.513894	2.3427354	4511.5381
27	8	Typical	Falke	1129.5375	31.763295	4.5577696	22333.6257
27	11	Atypical	Schmetterling	3395.9510	1009.653000	178.2377499	27924.7193
27	12	Atypical	Wal	2317.5885	978.250838	427.4594108	571611.6622
27	13	Typical	Katze	1081.6768	75.552179	20.1963149	50264.5000
27	15	Typical	Pferd	2354.4890	992.209659	299.4384130	608731.0000
27	16	Typical	Lachs	1162.3857	31.419656	4.5189877	17459.7520
27	17	Typical	Hund	2455.1382	1051.410099	253.6316030	568608.5569
27	18	Typical	Loewe	2001.2332	760.773959	155.5845950	462134.2624
27	19	Atypical	Aal	1114.0775	35.221518	2.7378700	17136.8186
28	1	Atypical	Schmetterling	2577.6514	1026.944385	153.3206757	565181.9950
28	2	Typical	Hund	1091.0906	87.237016	13.5005210	28423.9162
28	3	Typical	Loewe	1124.6674	43.980100	4.6206451	27459.0000
28	5	Typical	Goldfisch	1042.4709	58.055202	5.2349697	28182.3952
28	7	Typical	Kaninchen	1080.5505	71.010214	9.3350161	32505.9572
28	8	Atypical	Seeloewe	2252.7883	665.237830	184.7533333	240019.7747
28	9	Atypical	Aal	1171.0435	33.059511	3.6366273	15078.7057
28	10	Typical	Hai	1195.2559	97.988744	11.3753365	58373.9338
28	12	Typical	Pferd	1631.8732	540.805109	82.0692799	319674.5360
28	13	Typical	Falke	1070.1341	39.810085	3.8713427	19885.7841
28	14	Typical	Alligator	3528.0194	996.350385	141.2306710	71793.1219
28	15	Typical	Katze	1230.1384	67.710263	5.0113411	34426.4910
28	17	Atypical	Pinguin	1136.8692	69.588898	8.6961128	37800.7698
28	18	Typical	Lachs	1177.6126	84.851498	5.9643628	55235.6486
28	19	Typical	Chamaeleon	1070.3348	83.753015	6.4053292	64360.9941

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
29	2	Typical	Chamaeleon	1258.9084	259.704079	54.5015156	182714.5733
29	3	Typical	Alligator	1127.3125	93.664242	17.2432105	25427.7672
29	4	Atypical	Pinguin	997.8333	159.502205	38.2554123	79721.2657
29	5	Typical	Falke	1020.5317	50.480320	7.3301896	29353.0237
29	6	Typical	Hund	1021.5502	88.270653	26.6658562	46355.0000
29	7	Typical	Pferd	1288.1443	380.920249	89.4334779	213161.0000
29	8	Typical	Lachs	1198.2615	69.545904	9.7615108	38110.2934
29	9	Typical	Loewe	1060.3348	97.000888	18.9572084	48537.3995
29	10	Typical	Hai	2673.3158	740.320997	102.6297355	23361.3322
29	11	Typical	Katze	1022.6430	48.684770	8.2724498	21707.9650
29	13	Atypical	Schmetterling	2440.2865	850.675656	214.8935020	244528.5964
29	14	Atypical	Seeloewe	1063.9333	36.272022	8.5062300	26492.8931
29	15	Typical	Kaninchen	971.2419	34.608750	5.6656255	14851.4532
29	16	Typical	Goldfisch	1132.2583	170.906021	35.8516548	81380.5956
29	18	Typical	Spatz	1032.5784	71.345115	20.7946291	43497.4011
29	19	Atypical	Aal	1160.9012	277.386260	75.1047140	100875.5000
30	2	Atypical	Schmetterling	1084.5483	76.951085	13.7740300	32383.8904
30	3	Typical	Spatz	1555.3806	373.078897	95.8960231	229888.0549
30	4	Typical	Pferd	1162.9986	126.463731	25.4465076	82048.0000
30	5	Typical	Alligator	1233.7614	63.410213	12.5627375	51928.4137
30	7	Typical	Goldfisch	1030.0030	56.360795	12.0757357	27948.5420
30	8	Atypical	Fledermaus	2189.6775	895.339578	423.5027539	462529.0000
30	9	Typical	Hund	1024.7204	31.604740	5.4799705	21142.3102
30	10	Typical	Falke	1004.8753	43.194234	8.8408547	20654.5000
30	11	Atypical	Wal	2309.9074	959.602434	392.7058234	340431.0000
30	12	Typical	Kaninchen	1260.4438	191.777047	40.0496406	110959.5000
30	13	Typical	Lachs	1094.9836	42.309615	11.5000643	19021.4977
30	14	Atypical	Pinguin	2045.1460	854.945921	221.3562531	450947.8565
30	15	Typical	Loewe	1993.6132	797.832743	129.5240604	504927.5000
30	16	Atypical	Seeloewe	2111.0313	910.995522	412.3822132	449394.0000
30	17	Atypical	Aal	1901.2443	728.025376	145.1180547	418356.9362
30	18	Typical	Katze	1056.4922	58.745339	10.6221025	31329.6891
30	19	Typical	Hai	1385.9140	144.460919	32.1020600	22180.0041
31	1	Typical	Klapperschlange	1052.4474	108.566443	13.9700596	69632.0000
31	2	Atypical	Fledermaus	997.6016	22.318493	2.8705472	6340.3052
31	3	Atypical	Schmetterling	970.9087	40.034819	5.8911513	15263.0711
31	4	Atypical	Aal	1576.3241	196.291415	42.7339172	188628.1025
31	5	Typical	Falke	1130.1724	57.557063	25.9219499	34543.5520
31	6	Typical	Katze	1049.8346	60.867412	6.4786347	31445.5890
31	7	Typical	Pferd	1041.5285	59.001031	12.7510806	30160.7771
31	8	Atypical	Pinguin	1072.4583	79.018371	44.2616986	45586.4416
31	9	Typical	Loewe	978.3232	58.418474	14.6402249	25560.0000
31	10	Atypical	Seeloewe	1071.8226	145.650990	32.2122796	104234.0000
31	11	Typical	Kaninchen	1700.1523	296.468375	33.8648036	269423.8202
31	12	Typical	Chamaeleon	1027.1342	64.455113	17.4540088	40057.3864
31	13	Typical	Spatz	1152.1974	58.186594	8.5232496	27742.7920
31	14	Typical	Goldfisch	1417.2473	212.060887	37.9935409	196530.8852
31	15	Atypical	Wal	973.7299	59.136338	4.3232605	26638.7178
31	16	Typical	Alligator	1309.3030	72.338096	5.6241186	50638.8603
31	17	Typical	Lachs	1018.8512	53.682500	3.8813431	26516.9192
31	18	Typical	Hai	1091.0739	25.554605	5.4364963	11981.2805
31	19	Typical	Hund	1072.0933	91.317458	15.0093874	62849.5653

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
32	1	Typical	Katze	1109.9961	106.430509	27.9071738	61373.5000
32	2	Typical	Lachs	1126.5131	55.716240	7.1621673	31057.4265
32	3	Typical	Kaninchen	1063.7240	32.842493	3.0089299	19779.3348
32	4	Typical	Hai	1178.7008	59.108531	8.2722559	32868.4128
32	5	Typical	Alligator	1062.3318	53.958984	7.5788580	27423.8930
32	6	Atypical	Fledermaus	2824.4221	750.725356	169.9316035	127751.9936
32	7	Typical	Goldfisch	1188.1904	45.448769	3.6861843	24107.8409
32	8	Typical	Hund	1171.4495	35.828156	5.8113630	17455.6447
32	9	Atypical	Schmetterling	1193.6378	39.240167	5.8214515	31259.3868
32	10	Atypical	Pinguin	3077.0161	1001.942682	456.2363869	247648.8917
32	11	Typical	Loewe	1920.8277	770.029461	142.2644906	432295.0000
32	12	Atypical	Seeloewe	1114.1209	82.426873	25.0580793	32763.7096
32	13	Atypical	Wal	1048.5446	31.051326	7.3940378	20674.2625
32	15	Atypical	Aal	1908.6192	711.737407	158.6960250	398011.6443
32	16	Typical	Chamaeleon	1412.0188	72.615559	27.4045697	21642.2694
32	17	Typical	Falke	1106.1324	10.612121	1.7834224	4225.2236
32	18	Typical	Pferd	1223.2056	79.869509	9.7185861	48653.9218
32	19	Typical	Spatz	1166.9719	78.835321	15.4150919	42789.5000
33	1	Typical	Goldfisch	1309.4415	321.053250	66.6595692	207236.0000
33	2	Typical	Loewe	989.6896	69.355253	12.9473251	33599.4042
33	3	Typical	Falke	1208.6131	50.711352	8.5105711	19511.5000
33	4	Atypical	Schmetterling	2373.8693	1020.693637	276.8170094	425017.9131
33	5	Typical	Alligator	2507.6345	1055.599094	268.1322855	540075.5730
33	6	Typical	Pferd	1115.3095	198.222905	45.3896761	93471.5491
33	7	Typical	Chamaeleon	1242.4254	64.058833	4.4040986	37594.3559
33	8	Typical	Lachs	1185.5949	186.499167	36.7353005	102584.4294
33	9	Atypical	Wal	2192.1537	921.727164	289.3251413	486242.1988
33	10	Typical	Kaninchen	2441.8024	1039.559669	264.7737686	588109.5000
33	11	Atypical	Fledermaus	1391.9324	367.770437	76.5713639	255219.5000
33	12	Typical	Klapperschlange	5449.4813	1130.425600	653.7963295	435383.5447
33	13	Typical	Katze	1176.1460	113.454352	26.6641630	98588.3515
33	14	Typical	Hund	1208.7136	22.649465	4.8940982	10572.7240
33	15	Atypical	Seeloewe	3800.3142	1074.155815	412.2781046	-104760.6039
33	16	Atypical	Pinguin	4919.4450	991.947549	331.2931098	273284.8029
33	17	Typical	Hai	1099.7319	61.840361	9.0043228	37622.5000
33	18	Typical	Spatz	2421.5225	1014.732017	198.7830761	627884.3985
33	19	Atypical	Aal	1075.6155	51.516784	7.8226606	21315.2926
34	1	Typical	Katze	1267.4836	12.837701	4.7649706	7042.9698
34	2	Atypical	Aal	1094.8110	86.423592	21.4265770	48488.6506
34	3	Typical	Goldfisch	5369.0560	1255.159215	149.5467559	1007982.9550
34	4	Typical	Loewe	1077.1345	54.311357	14.6462878	32080.0000
34	5	Typical	Klapperschlange	1056.7354	114.801602	25.8783471	39254.9551
34	6	Typical	Pferd	1203.0386	72.583445	19.1956177	47508.0119
34	7	Atypical	Pinguin	1079.9107	17.483668	2.2968948	11592.2559
34	8	Typical	Chamaeleon	961.9569	10.252391	2.0209823	3659.4031
34	9	Typical	Lachs	1160.7656	69.948246	5.9838176	40328.2055
34	10	Atypical	Fledermaus	1282.5302	218.311330	34.1588388	98105.5965
34	11	Typical	Hund	1400.0446	86.833351	10.0000579	56049.6606
34	12	Atypical	Seeloewe	1192.9444	187.908614	33.0690485	99589.3409
34	13	Atypical	Schmetterling	1142.5188	79.315511	19.0310394	45213.9669
34	14	Atypical	Wal	2845.5702	796.806957	205.7640359	346997.0000
34	15	Typical	Spatz	1034.6576	110.987490	11.3515633	69358.6176

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
34	16	Typical	Hai	1332.1474	135.989061	12.1920334	44683.6827
34	17	Typical	Alligator	946.8843	62.735592	14.2067563	25016.2215
34	18	Typical	Falke	1273.1289	294.450823	54.4520900	143214.3117
34	19	Typical	Kaninchen	1352.2183	234.158797	38.1599114	87324.9757
35	1	Typical	Lachs	1001.8358	45.872067	10.9995993	22740.2172
35	2	Typical	Kaninchen	963.5001	52.200701	12.2332815	31820.7957
35	3	Atypical	Seeloewe	2498.9441	840.155936	294.6512926	168568.1123
35	4	Typical	Hai	1107.6408	153.086287	74.2107389	102540.5279
35	5	Typical	Hund	1081.0952	87.652356	18.5791851	57580.9022
35	6	Typical	Goldfisch	1061.7312	143.284891	20.3069876	76802.1421
35	7	Typical	Chamaeleon	1120.5616	103.260558	42.3895451	46448.5215
35	8	Atypical	Wal	1116.1821	96.593329	63.7735492	66006.0681
35	9	Atypical	Schmetterling	1136.9848	232.994115	56.9907752	84460.0744
35	10	Typical	Spatz	1082.4906	71.074851	11.2660064	31950.4454
35	11	Typical	Falke	1323.7552	92.313834	21.0527123	55411.7793
35	12	Typical	Klapperschlange	1033.2507	37.054817	21.2698977	21033.9000
35	13	Atypical	Fledermaus	1212.6249	225.802794	37.6104824	97430.2890
35	14	Typical	Loewe	1044.9281	31.343693	10.9507046	13258.6691
35	15	Typical	Katze	1044.6453	41.408578	7.8155726	17629.4093
35	16	Typical	Alligator	1158.9108	86.627114	14.7089250	34685.1246
35	17	Atypical	Pinguin	1016.1791	23.462807	1.7467591	13934.3624
35	18	Atypical	Aal	988.5839	21.129867	3.9475312	7199.1850
35	19	Typical	Pferd	1023.1966	77.501546	13.5943074	49403.1553
36	1	Atypical	Pinguin	2339.3700	943.919823	158.7605788	336533.6037
36	2	Atypical	Wal	2197.4395	940.945750	195.7965429	325138.5000
36	3	Typical	Klapperschlange	2300.3623	915.001247	232.4068984	456667.4077
36	4	Typical	Pferd	3367.3501	825.404130	177.2256856	191947.3946
36	5	Typical	Hund	2290.9456	799.455188	218.4638671	506923.0701
36	7	Typical	Goldfisch	2727.0236	897.979488	165.3331187	398075.0021
36	10	Typical	Alligator	1059.9582	75.306001	11.6918249	38554.8950
36	15	Typical	Kaninchen	1015.9103	54.097539	18.2728445	28592.6202
36	16	Atypical	Seeloewe	1087.0108	121.363955	20.6881345	57670.1914
36	18	Typical	Loewe	1259.1633	172.732438	9.9950312	125078.4349
36	19	Atypical	Schmetterling	2114.3731	889.698700	393.3750904	504123.1995
37	1	Typical	Loewe	1260.4062	138.228076	27.6834013	109941.5000
37	2	Typical	Alligator	1206.9810	131.137228	17.2745676	81899.4311
37	3	Typical	Hai	1862.3518	614.812034	142.5505739	306362.1718
37	4	Atypical	Aal	1661.7472	347.120699	92.8852656	189689.3681
37	5	Typical	Kaninchen	1077.5644	75.896608	9.0312739	57695.8139
37	6	Atypical	Wal	1107.6672	86.165941	13.6679639	37908.1694
37	7	Typical	Chamaeleon	1120.6204	115.595922	19.2379407	64153.5409
37	8	Typical	Lachs	2570.6573	1088.158399	236.5210867	733305.5448
37	9	Typical	Goldfisch	1902.0076	768.001631	160.3705749	418541.7855
37	10	Typical	Pferd	1163.5201	17.429181	3.2001419	9760.5993
37	11	Atypical	Pinguin	1807.4508	718.913041	160.3887112	303207.5000
37	12	Typical	Hund	2064.4694	738.477693	141.1572316	553801.3691
37	13	Atypical	Schmetterling	1531.6122	343.813701	49.8486716	294380.1224
37	14	Typical	Falke	1117.6753	99.877342	8.9332160	63341.0000
37	15	Typical	Spatz	2158.8789	851.177697	214.2085509	617269.5000
37	16	Atypical	Fledermaus	1039.6926	70.996978	22.5763407	47941.5194
37	17	Atypical	Seeloewe	1902.7657	583.920790	201.5161014	467120.7301
37	18	Typical	Klapperschlange	1489.0236	228.087237	44.2722791	207682.3561

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
37	19	Typical	Katze	2168.1686	869.917011	201.8561742	608015.0000
38	1	Typical	Goldfisch	955.0993	80.871903	12.3616893	53189.8331
38	2	Atypical	Aal	1153.5671	112.813424	29.9010172	45561.6707
38	3	Typical	Spatz	1002.2066	18.502005	4.1504430	8176.6033
38	4	Typical	Alligator	1037.6582	174.567885	29.7410698	118716.5000
38	5	Typical	Hai	1057.4889	152.677645	36.5451030	74594.3028
38	6	Typical	Lachs	1146.8152	56.777515	15.3401899	31278.2698
38	7	Typical	Hund	1012.6618	65.473573	12.1930322	31807.8949
38	10	Typical	Kaninchen	1030.3604	80.343383	12.5602741	40074.1171
38	11	Typical	Pferd	1041.5196	58.489014	8.9708725	30253.5840
38	12	Typical	Loewe	1002.3879	76.609838	9.3019042	34581.0000
38	13	Typical	Chamaeleon	1051.4409	36.357949	2.2562199	12829.4872
38	14	Atypical	Pinguin	2718.3689	867.144838	341.0309959	161022.2188
38	15	Typical	Falke	1179.0324	280.574751	45.5771348	171900.5000
38	17	Atypical	Seeloewe	1834.2040	739.278974	166.7796733	336559.0000
38	18	Atypical	Wal	1286.9099	304.089826	56.8021753	227055.0000
38	19	Typical	Katze	991.8194	94.342116	17.1979269	34839.3243
39	1	Atypical	Aal	1068.1605	61.576411	5.6982413	25096.5573
39	2	Typical	Pferd	1073.3154	38.477347	5.3994133	17126.3744
39	3	Typical	Kaninchen	1071.1886	65.776147	9.7649228	31605.9470
39	4	Typical	Goldfisch	1094.5624	59.032503	14.6214943	29346.9150
39	5	Typical	Hai	1140.3559	122.607382	7.8252771	85934.3494
39	6	Typical	Lachs	1107.6285	86.984219	10.3317711	40167.0520
39	7	Atypical	Fledermaus	1697.9714	136.154705	33.9281751	24728.6896
39	8	Atypical	Wal	1041.2753	95.973577	9.9839293	67653.5000
39	9	Typical	Falke	1183.3353	235.927684	24.9213723	155564.5000
39	10	Atypical	Pinguin	1624.7805	314.094474	24.3464141	222368.6622
39	11	Typical	Loewe	1180.9600	43.560117	5.0877725	26465.3408
39	12	Typical	Klapperschlange	3619.2960	878.478149	290.9999495	170947.5951
39	13	Typical	Chamaeleon	1197.5257	117.043323	20.4656023	78328.2545
39	14	Atypical	Schmetterling	1168.8121	84.302083	10.5622304	33471.5043
39	15	Atypical	Seeloewe	1179.6347	76.914836	23.3782730	33743.6527
39	16	Typical	Katze	1267.8622	132.763735	24.2991081	73163.7383
39	17	Typical	Hund	1105.6538	75.486114	10.0744769	45417.7571
39	18	Typical	Alligator	1591.4730	149.166368	15.3917353	148893.4798
39	19	Typical	Spatz	1090.0395	25.885744	2.5985203	16125.5455
40	1	Atypical	Wal	3147.2777	851.546729	434.5682383	105891.0439
40	3	Typical	Klapperschlange	1758.3318	504.518208	85.3557946	208142.5000
40	4	Typical	Spatz	1930.2657	630.786000	107.8488316	270007.7597
40	5	Typical	Loewe	1186.6884	320.054199	97.9915771	145562.0000
40	6	Typical	Chamaeleon	1239.6086	121.449116	29.6788695	37432.2416
40	7	Atypical	Aal	1140.0992	264.707075	104.3730836	127902.9725
40	8	Typical	Hai	2813.6846	804.734851	161.0612221	49937.0000
40	9	Typical	Pferd	1359.9198	310.760481	63.5565387	172957.2224
40	10	Atypical	Schmetterling	1355.5788	295.737734	76.1476434	150587.3732
40	11	Typical	Alligator	1026.3579	51.033872	3.0376316	26448.3331
40	12	Typical	Falke	1147.2209	34.998140	4.7751313	16895.0914
40	13	Atypical	Seeloewe	977.7633	93.510636	27.6890875	41668.0000
40	14	Typical	Goldfisch	1446.2390	217.858377	34.9306931	126013.5000
40	15	Typical	Hund	1080.9999	180.411798	40.9464870	127607.5000
40	16	Atypical	Pinguin	1074.0189	139.316914	22.2035437	46887.4162
40	17	Typical	Kaninchen	933.1525	51.204171	18.7726448	26179.5906

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
40	18	Typical	Katze	1003.3708	125.298314	26.4338600	67497.5000
40	19	Typical	Lachs	1315.8723	418.769489	124.3025440	202005.8850
41	1	Typical	Falke	1204.3083	92.880788	20.0245896	58831.0680
41	2	Atypical	Aal	957.3940	37.518194	9.6201001	15289.4444
41	3	Typical	Chamaeleon	1897.2302	359.386451	116.3300849	53169.4041
41	4	Typical	Katze	985.8951	45.621355	7.6510409	20518.1526
41	5	Typical	Pferd	1078.3925	53.018824	10.9882800	27842.6588
41	6	Typical	Goldfisch	1072.2965	74.814984	12.4018034	57179.5000
41	7	Atypical	Seeloewe	1026.9649	156.922356	24.9036351	69495.4961
41	8	Typical	Loewe	2023.8956	802.707823	156.3319083	318231.5000
41	9	Atypical	Schmetterling	1132.5998	59.967775	6.2075934	40670.1144
41	10	Atypical	Fledermaus	2286.6855	897.781775	193.7650882	287612.6526
41	11	Atypical	Wal	2160.7282	760.746466	145.0956568	219465.0681
41	12	Typical	Hai	2198.1840	924.869669	305.9708278	479694.5000
41	13	Typical	Hund	1136.9223	128.948844	20.3048436	85929.6291
41	14	Atypical	Pinguin	1044.3440	122.128387	44.3432696	42445.0000
41	15	Typical	Klapperschlange	1072.5122	33.972733	4.6039066	13786.4760
41	16	Typical	Alligator	1191.8536	229.677614	82.0441026	107347.4890
41	17	Typical	Kaninchen	947.6582	25.094855	4.1115557	9524.4520
41	18	Typical	Lachs	1070.0919	25.280881	3.6355214	13108.8676
41	19	Typical	Spatz	1954.4993	691.126581	117.0436241	359148.1381
42	2	Typical	Kaninchen	1009.9731	89.996572	20.0365871	48757.4890
42	3	Atypical	Fledermaus	2335.5998	964.227662	290.3814487	503947.1528
42	4	Typical	Falke	1009.8125	55.491845	10.0973210	25233.1240
42	5	Atypical	Pinguin	2086.8332	867.978136	353.5509347	415062.5000
42	6	Atypical	Schmetterling	1166.4479	38.019781	7.7438558	20580.4396
42	7	Typical	Chamaeleon	1035.9236	30.232157	3.3508700	14688.3383
42	8	Typical	Hai	2012.7384	834.471988	165.0848597	416075.0000
42	9	Typical	Goldfisch	1149.2816	71.712817	10.6180489	40790.2871
42	10	Typical	Katze	1031.7748	59.373977	11.5259415	30428.4910
42	11	Typical	Pferd	2059.0183	649.592584	118.6635994	391471.1485
42	12	Typical	Lachs	1350.5666	377.595937	61.4813537	209224.7661
42	13	Atypical	Seeloewe	1741.5065	611.526638	75.0745468	342833.1079
42	14	Typical	Alligator	1314.0085	294.727582	90.7900518	166096.7030
42	15	Typical	Spatz	2045.8699	855.511502	245.6627950	374263.1357
42	16	Typical	Hund	1031.7032	98.099985	16.2486592	53438.1138
42	17	Typical	Loewe	1149.2085	75.277138	9.4685461	43079.0773
42	18	Atypical	Aal	1083.2494	66.621832	9.4104986	39147.6223
42	19	Atypical	Wal	2074.4801	872.333643	339.5869754	481577.5000
43	1	Typical	Hund	1046.2479	145.325811	41.6403408	64918.5000
43	2	Typical	Katze	1398.4347	386.225984	59.4697378	135225.5458
43	3	Typical	Chamaeleon	1108.3731	104.142904	17.4154441	54404.1138
43	4	Atypical	Aal	1032.7836	46.618357	8.8737215	26999.2704
43	5	Atypical	Wal	1778.5981	652.202346	270.4963657	233593.0000
43	6	Typical	Goldfisch	1037.5105	79.008575	9.6588494	29279.3667
43	7	Typical	Falke	992.0094	76.938841	14.9783075	44876.0856
43	8	Typical	Loewe	1115.8522	25.865872	3.6464290	16337.7092
43	9	Typical	Spatz	1122.5255	21.296433	4.1914966	7840.7589
43	10	Typical	Klapperschlange	1013.9519	30.873723	4.0046132	16547.0429
43	11	Typical	Hai	981.5640	12.612705	1.1104833	5582.1575
43	12	Atypical	Schmetterling	990.2735	43.576014	9.8169985	22040.2054
43	13	Atypical	Pinguin	1021.2290	29.939596	1.3857263	15442.1892

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
43	14	Typical	Alligator	934.8474	8.995467	1.5473482	4270.7429
43	15	Typical	Pferd	1033.1670	67.625972	13.1712163	31940.9165
43	16	Atypical	Fledermaus	1013.6319	38.755743	3.6101405	15690.2336
43	17	Typical	Lachs	1121.6849	96.991803	22.2430160	12196.8144
43	18	Atypical	Seeloewe	1041.0793	31.003047	10.2569388	19799.5819
43	19	Typical	Kaninchen	1030.2113	82.475149	7.8042306	51828.8209
44	1	Typical	Falke	1033.9996	113.820470	17.6624997	75396.5000
44	2	Typical	Pferd	1271.8760	178.733222	32.1706090	126503.9300
44	3	Typical	Kaninchen	1191.8877	171.004429	22.9491388	73736.5059
44	4	Typical	Spatz	1321.8327	274.442639	91.0516847	225542.0000
44	5	Typical	Loewe	1184.3515	253.686817	58.6630802	154441.3651
44	7	Typical	Goldfisch	1111.4116	64.774254	16.4981272	30671.4817
44	9	Typical	Katze	1049.7724	65.493246	13.1846048	29569.4538
44	10	Typical	Chamaeleon	1164.6976	145.369138	51.0254977	85861.1824
44	11	Typical	Hund	1005.5187	23.765175	3.7998627	11169.6840
44	12	Typical	Alligator	1405.6354	165.520582	27.6802383	156687.0000
44	13	Atypical	Schmetterling	1085.4157	155.613302	22.0813382	109979.5000
44	15	Atypical	Seeloewe	1254.6767	54.470900	22.1130479	40463.4667
44	16	Atypical	Fledermaus	1265.6852	207.583077	38.9743415	113923.5175
44	17	Typical	Klapperschlange	1130.1036	53.246918	7.8212414	26441.5701
44	18	Atypical	Aal	1142.5531	73.348149	6.2706798	17259.2260
44	19	Typical	Lachs	1123.6638	55.274250	12.2910896	35984.9548
45	1	Typical	Pferd	1055.4916	27.703342	2.7575099	13015.8823
45	2	Typical	Hai	1123.9803	84.541965	6.5121683	50594.0000
45	3	Typical	Chamaeleon	1127.3539	70.232515	5.2610772	30985.6449
45	4	Typical	Falke	1105.6289	63.633289	4.6121242	32249.2136
45	5	Typical	Hund	1096.6761	64.177021	8.7210312	29913.0965
45	6	Typical	Alligator	1272.5734	35.012599	6.0377027	20091.4600
45	7	Typical	Loewe	1098.0114	10.667218	1.1969641	5362.3485
45	8	Atypical	Wal	1080.3447	47.041582	7.4415879	31860.4076
45	9	Typical	Lachs	1063.6744	8.214289	0.9396032	4656.4199
45	10	Atypical	Aal	1182.0818	82.424976	8.4874793	43636.5490
45	11	Atypical	Fledermaus	1203.7099	90.268778	8.5511227	58185.9982
45	12	Typical	Goldfisch	1090.8131	72.065973	6.8240874	35781.1615
45	13	Typical	Klapperschlange	1111.0233	16.051034	2.3781514	9925.8718
45	14	Atypical	Seeloewe	1162.9487	61.370366	5.6403530	39943.5833
45	15	Atypical	Schmetterling	1127.3461	61.051783	5.7357098	38316.6736
45	16	Typical	Spatz	1031.6768	66.951810	10.2701482	41000.0000
45	17	Typical	Kaninchen	1117.4202	43.163583	8.5972252	37408.8410
45	18	Atypical	Pinguin	1143.5597	30.353695	2.8522936	19888.0000
45	19	Typical	Katze	1124.0024	60.144125	10.7059740	28829.6507
46	1	Typical	Katze	1078.9888	76.297863	6.6270314	26624.4476
46	2	Typical	Falke	1097.4936	57.716972	3.6908833	29841.4126
46	3	Typical	Hai	1165.1484	100.221031	24.3519368	34826.9996
46	5	Atypical	Aal	1076.1662	73.321123	12.0149329	45302.4486
46	6	Typical	Lachs	1005.6080	16.006373	2.0628080	8453.8866
46	7	Typical	Hund	1009.2455	23.239019	5.9063228	12757.0000
46	8	Atypical	Pinguin	5007.3126	1001.359660	290.9717573	471155.0265
46	9	Typical	Spatz	1173.9367	123.402024	24.9987990	44862.0292
46	11	Typical	Alligator	1034.6900	68.323513	8.3754346	36658.3270
46	12	Typical	Chamaeleon	1107.4848	100.284529	9.0714982	68049.5000
46	13	Typical	Kaninchen	1137.1574	43.806161	13.9217257	25741.1451

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
46	14	Typical	Pferd	1157.2542	71.652775	10.8727404	36842.6089
46	15	Atypical	Schmetterling	1223.4816	103.515370	14.2020550	80482.1351
46	17	Atypical	Seeloewe	2173.5752	911.370054	375.6817592	455578.6908
46	18	Typical	Loewe	2532.3350	1034.018028	246.6776069	325252.3903
46	19	Typical	Goldfisch	1145.3829	74.874115	6.2384796	48056.1798
47	1	Typical	Kaninchen	1108.2627	133.312992	25.8002284	77038.8085
47	2	Typical	Loewe	1275.6206	318.807487	83.9107750	179825.0830
47	3	Typical	Spatz	1179.1756	195.627064	26.6367456	133045.9268
47	4	Typical	Goldfisch	1136.7750	141.058729	18.7177383	88044.5000
47	5	Typical	Lachs	1246.0841	272.823285	70.5146706	136008.5596
47	6	Typical	Falke	1267.9404	278.479682	52.7933734	148658.5826
47	7	Atypical	Fledermaus	973.1048	56.884350	5.6324319	32366.8069
47	8	Atypical	Wal	1334.0949	322.932713	70.6296774	169395.4541
47	9	Atypical	Pinguin	1753.9093	613.859961	123.1020235	302781.2069
47	10	Typical	Chamaeleon	1542.8920	510.298953	131.7939466	277327.0000
47	11	Atypical	Aal	1167.1001	53.439070	27.0424211	38075.7032
47	12	Typical	Pferd	1113.4617	115.375418	32.1290535	74393.0000
47	13	Atypical	Seeloewe	1149.5417	192.400331	59.4725579	119220.7384
47	14	Atypical	Schmetterling	1185.5135	216.434411	80.3371938	112990.1043
47	15	Typical	Hai	1161.4042	252.311418	105.1726480	152504.0000
47	16	Typical	Alligator	1048.5316	48.670170	15.0649972	24901.9032
47	17	Typical	Klapperschlange	1084.8412	73.544648	33.5244001	34286.9617
47	18	Typical	Hund	1279.1532	136.066423	28.4741158	108101.4398
47	19	Typical	Katze	1045.6729	55.286308	16.0379027	40877.5000
48	2	Atypical	Pinguin	1473.7487	432.023424	112.4732223	235936.4659
48	3	Typical	Spatz	1103.6709	109.964079	14.7977620	66547.0075
48	4	Typical	Goldfisch	1058.2666	101.269696	13.0050506	59451.0749
48	5	Atypical	Seeloewe	1228.9835	69.487681	14.1144951	40554.0065
48	6	Typical	Alligator	1049.8270	61.331844	5.1035230	23368.1968
48	7	Typical	Katze	1108.8499	72.516087	11.0375455	45681.0000
48	8	Typical	Hund	1147.5601	125.347971	14.5243805	76779.5000
48	9	Atypical	Schmetterling	2219.0161	924.266891	215.1050278	517678.5000
48	10	Typical	Klapperschlange	1129.4460	143.581751	27.1258586	95357.0000
48	11	Typical	Hai	1301.3396	274.724887	42.1019050	152802.9126
48	12	Atypical	Wal	1251.0009	161.686345	26.5597848	90170.2316
48	14	Typical	Falke	1112.0267	171.793992	42.7327376	73571.7493
48	15	Typical	Lachs	1940.6717	763.217824	209.1176272	470114.5000
48	16	Typical	Kaninchen	1150.9491	46.964046	8.5233220	34719.0000
48	17	Typical	Pferd	1043.2276	63.252081	17.7350340	35136.4207
48	18	Typical	Loewe	1142.7771	82.103870	13.1774510	52842.2522
48	19	Typical	Chamaeleon	1098.4220	136.016671	29.7984452	57856.8491
49	1	Typical	Katze	1065.4061	72.980693	17.0979240	23516.4380
49	2	Typical	Klapperschlange	2663.7590	945.970445	159.7904446	475305.2619
49	3	Typical	Chamaeleon	3538.0197	1019.423723	343.0550578	90578.8226
49	6	Atypical	Pinguin	3705.0700	1025.538271	217.7110722	-520.2882
49	7	Typical	Lachs	1534.8237	390.907223	77.1075938	334098.3138
49	9	Atypical	Seeloewe	1441.8858	387.299311	87.5600844	303548.5000
49	10	Typical	Falke	1181.0441	112.151073	15.1599729	80824.4140
49	11	Atypical	Aal	1074.8840	154.087129	21.7628900	97256.0000
49	12	Typical	Pferd	1061.5378	72.973098	8.3290631	36227.3456
49	13	Typical	Kaninchen	1086.0327	49.486757	11.4427908	27658.1275
49	14	Typical	Goldfisch	1091.4279	70.574542	12.0217492	32832.6606

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
49	15	Atypical	Schmetterling	1301.8409	284.175314	45.9212190	145323.5000
49	18	Typical	Loewe	2467.2629	940.652600	201.9010946	199977.0000
49	19	Typical	Hund	1289.6360	204.789625	42.3496109	152083.9533
50	1	Typical	Hund	1020.7188	28.102209	12.5655086	15050.5000
50	2	Atypical	Pinguin	2834.8491	947.239292	443.5275394	99821.4321
50	3	Atypical	Aal	3663.3183	931.606236	174.2891960	102511.7846
50	4	Typical	Loewe	1276.4526	298.833301	63.0669369	222163.5000
50	5	Atypical	Schmetterling	1289.6352	281.069552	54.5620865	180716.6974
50	6	Typical	Katze	1293.9657	267.140201	57.6480028	162970.8768
50	7	Typical	Alligator	1088.0199	144.541802	55.1834979	94386.0000
50	8	Typical	Klapperschlange	1031.3393	49.174287	22.0435726	22340.4126
50	9	Typical	Pferd	1186.7448	19.019597	6.0386694	10806.6161
50	10	Atypical	Seeloewe	2241.0135	951.134901	416.2569791	375030.5000
50	11	Typical	Hai	1049.6917	67.845950	27.4603842	34182.8477
50	12	Typical	Falke	1192.6646	247.484415	45.0541637	138075.5000
50	13	Typical	Spatz	1253.0561	240.242923	67.1036744	179593.0000
50	14	Typical	Lachs	1323.5552	239.675855	71.1170042	196262.0000
50	15	Atypical	Wal	2091.3379	875.356934	57.8378896	453072.3825
50	16	Atypical	Fledermaus	2106.0084	371.319677	153.0388929	134620.5062
50	17	Typical	Goldfisch	1187.6556	181.802821	65.3410840	126572.0479
50	18	Typical	Kaninchen	1632.3636	388.138328	109.9052092	364017.5000
50	19	Typical	Chamaeleon	1213.8469	147.716061	40.9154633	51358.5000
51	1	Typical	Katze	1193.3600	54.004295	5.2266972	30502.4885
51	2	Typical	Hai	1168.6358	94.436208	24.6592259	28742.3173
51	3	Atypical	Seeloewe	1127.3837	49.314395	4.4985129	28079.9664
51	4	Atypical	Wal	1900.8150	534.663629	67.3884741	80002.7069
51	5	Typical	Alligator	1387.3557	166.115489	23.0772933	81257.3889
51	6	Atypical	Fledermaus	1049.6594	65.627455	11.6997284	28874.9979
51	7	Typical	Klapperschlange	3291.4285	920.421702	304.1955779	19024.0990
51	8	Atypical	Pinguin	1039.0672	58.566586	18.6524434	27282.8003
51	9	Typical	Kaninchen	1411.7738	110.897880	19.0457011	55823.0467
51	10	Typical	Hund	1078.1852	82.478046	10.9880421	44540.9220
51	11	Typical	Spatz	1342.6024	305.502709	40.5206264	178574.0780
51	12	Typical	Chamaeleon	1129.0573	69.705776	9.6776895	43494.5570
51	13	Typical	Goldfisch	1017.3430	33.585432	5.0199671	18626.1750
51	14	Atypical	Aal	1377.2802	405.562314	76.2211851	225471.0170
51	15	Atypical	Schmetterling	979.9686	16.614435	3.1499092	7141.6676
51	16	Typical	Loewe	1062.2515	28.037416	4.7967506	13820.6860
51	17	Typical	Falke	1198.4460	205.618892	25.8731064	119836.5643
51	18	Typical	Pferd	1021.6002	57.278298	7.5613263	33275.8771
51	19	Typical	Lachs	1204.9034	35.953544	5.2682201	21634.0018
52	1	Typical	Hund	1254.0926	306.319064	51.1260485	156042.7103
52	3	Typical	Kaninchen	1066.0664	81.531697	13.5152521	57005.2826
52	4	Atypical	Schmetterling	1086.7887	20.290197	3.9680483	9676.4356
52	5	Typical	Falke	1319.0683	298.369054	47.5180615	152329.9535
52	6	Typical	Spatz	1187.9753	79.399397	15.0254358	60317.0000
52	7	Typical	Klapperschlange	1143.7953	89.425843	13.6026516	39294.5635
52	8	Typical	Loewe	1029.3352	21.367314	4.7271089	7149.8073
52	9	Typical	Katze	2582.4842	119.821267	22.1097603	51504.3776
52	10	Typical	Goldfisch	1157.9958	93.808872	19.4656268	56999.2897
52	11	Typical	Lachs	1297.9207	57.741832	9.9684528	23882.4562
52	12	Typical	Chamaeleon	1124.5178	97.453622	15.3715033	59946.4679

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
52	13	Atypical	Seeloewe	1115.2017	105.805203	16.8006965	71758.5377
52	14	Typical	Pferd	1022.7916	10.117314	2.0243913	5094.1347
52	15	Typical	Alligator	1205.6279	35.979482	6.2223484	19120.3029
52	16	Atypical	Wal	1126.2000	101.585295	19.9940732	70500.6075
52	17	Atypical	Aal	1118.2335	96.662077	17.1525463	49184.4967
52	18	Atypical	Pinguin	1424.0580	212.271420	33.5233601	110396.5167
52	19	Atypical	Fledermaus	1109.0422	47.650288	10.8310415	38256.5156
53	1	Typical	Hund	1203.5966	26.495320	3.6997544	16116.6105
53	2	Atypical	Schmetterling	983.2564	73.785207	16.8550930	26840.4469
53	3	Typical	Kaninchen	1585.1583	524.766680	79.3528550	288072.9733
53	4	Atypical	Wal	2156.7724	910.860608	452.5914285	423987.5000
53	5	Typical	Loewe	1188.6886	110.729508	20.5146761	81975.9577
53	6	Typical	Alligator	1044.4405	49.675591	9.3869603	17489.6942
53	7	Atypical	Seeloewe	1103.3694	53.492182	13.7695491	23870.1320
53	8	Atypical	Fledermaus	1964.4588	600.139964	200.2455069	198319.4967
53	9	Typical	Spatz	1661.9016	350.338680	127.0350149	228607.3844
53	10	Typical	Klapperschlange	1151.7535	150.459245	27.0521847	61193.9251
53	11	Typical	Katze	1052.6826	49.238347	7.8672905	28367.8614
53	12	Typical	Falke	886.8485	58.390433	4.7250337	22672.0884
53	13	Typical	Chamaeleon	918.8290	34.923069	7.6339153	13916.8820
53	14	Typical	Pferd	1127.4630	39.867505	5.6682132	21641.6261
53	15	Typical	Lachs	1014.2320	54.695870	7.6412364	26344.1851
53	16	Atypical	Pinguin	944.2159	60.663348	16.9743314	19189.8565
53	17	Typical	Goldfisch	1032.3876	31.305479	4.6761049	20391.4935
53	18	Typical	Hai	1183.8668	130.904072	42.2632955	59284.7160
53	19	Atypical	Aal	983.7562	134.612975	42.2689603	51165.5414
54	2	Typical	Hai	1119.4387	82.032593	22.8272776	27517.2961
54	3	Typical	Falke	1656.5652	386.316216	112.5716497	204219.2329
54	4	Atypical	Aal	1225.5834	167.668191	49.8673334	76117.4727
54	5	Typical	Kaninchen	1281.6757	178.980892	41.7091864	65557.5000
54	6	Typical	Loewe	1161.2894	43.236925	11.2675400	24159.4509
54	7	Typical	Chamaeleon	1282.8806	274.415312	40.9219343	145067.5900
54	9	Typical	Spatz	1308.9235	267.952328	87.6995997	164694.1841
54	10	Typical	Pferd	2274.7423	794.744099	77.8805268	308199.4783
54	11	Atypical	Schmetterling	2635.7958	1013.293140	303.0045471	569669.7682
54	12	Typical	Hund	2748.0827	1060.483267	283.4269191	505665.2989
54	13	Typical	Lachs	1866.6736	636.872806	130.9196559	200702.0623
54	14	Atypical	Seeloewe	1502.8952	318.030383	72.3694567	199217.8165
54	15	Typical	Goldfisch	1173.9649	94.365134	29.7313990	53475.5700
54	16	Typical	Alligator	1230.6509	199.450348	64.0272447	117312.6062
54	17	Typical	Klapperschlange	1063.5940	44.098713	6.8039374	22418.3019
54	18	Typical	Katze	1281.8891	147.524787	20.0210275	65127.2936
54	19	Atypical	Pinguin	1307.6481	144.774546	44.2670940	68496.8253
55	2	Typical	Kaninchen	1212.1888	119.403633	30.2768255	72057.1685
55	3	Atypical	Fledermaus	2697.8384	486.947017	151.0961555	47657.5732
55	4	Typical	Spatz	1912.8038	658.107302	176.4241570	425954.6896
55	5	Typical	Lachs	2217.0298	884.530352	221.9238070	560439.3681
55	6	Typical	Goldfisch	1171.3232	61.025780	18.6783797	32312.9342
55	7	Typical	Falke	1111.6992	89.860560	22.5963901	42262.6493
55	8	Atypical	Seeloewe	1170.0653	87.874705	24.1720578	20383.2103
55	9	Typical	Alligator	2100.5848	787.135471	146.9695003	410242.0000
55	10	Typical	Hund	1151.0886	69.081936	21.7016973	49241.5000

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
55	11	Typical	Pferd	1139.9702	164.323649	41.7222146	63035.6377
55	12	Atypical	Aal	1226.2023	206.941577	39.7775184	100742.5730
55	13	Atypical	Schmetterling	1159.5345	44.087871	16.7458897	30355.8884
55	14	Atypical	Wal	1184.7678	48.925473	21.7082441	24470.3219
55	15	Typical	Katze	1114.4429	108.993924	38.5510390	68812.6022
55	16	Atypical	Pinguin	2413.7246	1024.679996	357.9152859	511312.2995
55	17	Typical	Loewe	1104.9417	98.456965	38.1697245	71256.3830
55	18	Typical	Chamaeleon	2263.7611	898.580832	196.9623731	470234.0000
56	1	Typical	Goldfisch	1008.8018	70.947141	11.8054851	25207.4040
56	2	Typical	Kaninchen	1058.0607	118.401964	19.5811783	53030.9723
56	3	Atypical	Seeloewe	2432.7750	902.689249	275.5252491	286375.7548
56	4	Typical	Chamaeleon	965.8616	47.637718	6.3619751	22429.6301
56	5	Atypical	Fledermaus	1179.0621	159.338186	16.5654973	111111.5599
56	6	Typical	Hai	1620.8566	546.048344	228.5065319	348264.0000
56	7	Typical	Katze	1211.8832	213.410015	32.1002325	142396.4657
56	8	Typical	Lachs	1081.0725	52.175639	6.3917785	27802.3876
56	9	Typical	Falke	1393.8525	390.610343	59.1006373	228551.7997
56	10	Typical	Hund	1247.9431	47.829255	3.9365288	23833.3032
56	11	Typical	Klapperschlange	1192.5829	61.907192	15.7087932	31207.5132
56	12	Typical	Alligator	1072.7699	55.085176	6.8271340	25648.8529
56	13	Atypical	Schmetterling	1153.4856	60.722370	10.0119036	29843.5000
56	14	Atypical	Wal	2557.6142	900.611904	221.1627468	144554.3231
56	15	Atypical	Aal	1081.8938	103.006176	24.2937650	75249.4377
56	16	Typical	Pferd	1380.2632	92.045034	15.5575746	48959.2955
56	17	Typical	Loewe	1190.1884	85.897188	18.3137130	49673.5435
56	18	Typical	Spatz	1057.9272	86.117757	10.6940466	54310.6353
56	19	Atypical	Pinguin	2277.3820	948.739998	229.3483351	463346.4827
57	1	Typical	Falke	1056.7866	73.501492	13.2900120	39398.4033
57	2	Typical	Pferd	2125.4456	881.710418	261.2664808	445639.0000
57	4	Typical	Goldfisch	1318.9113	357.540580	71.5470489	178248.7953
57	6	Atypical	Pinguin	1044.3901	40.872281	4.0442585	19476.9920
57	7	Typical	Loewe	973.1921	34.122867	6.1444483	16369.9899
57	8	Atypical	Aal	967.2218	61.152730	5.2279301	35557.1853
57	9	Atypical	Wal	1762.4954	588.110367	201.2295518	168258.0000
57	10	Atypical	Schmetterling	1257.7552	48.786884	4.2256410	34502.4412
57	11	Typical	Hund	985.1972	11.098936	1.5038272	4753.5554
57	12	Typical	Spatz	1106.4372	72.806047	9.6483800	45305.4220
57	13	Typical	Klapperschlange	1088.7032	61.831661	9.4396920	35069.9125
57	14	Atypical	Seeloewe	990.9983	23.009473	7.8927758	13539.5000
57	15	Typical	Lachs	1045.6591	34.405224	6.1886983	16163.4021
57	16	Typical	Katze	961.0424	30.502500	5.0815841	17537.0000
57	17	Typical	Kaninchen	993.0767	19.524375	2.2220153	8953.1222
57	18	Typical	Chamaeleon	1830.8393	695.821320	173.7816106	359822.5000
57	19	Typical	Hai	1060.1518	45.699844	9.8468327	24564.7809
58	1	Typical	Falke	1183.9069	173.146835	23.4281393	113671.6095
58	2	Typical	Klapperschlange	1114.7150	206.604517	19.1985630	103168.2889
58	3	Typical	Loewe	1016.4461	127.139527	21.8657953	66624.6922
58	4	Typical	Pferd	1997.8655	777.634582	184.2449576	478008.5000
58	5	Atypical	Aal	1394.1558	352.212228	69.1479498	156770.4715
58	6	Atypical	Schmetterling	1272.5559	287.995318	30.0277295	198150.0000
58	7	Typical	Kaninchen	1132.7030	79.045680	16.3246136	45529.7985
58	8	Typical	Spatz	1132.7121	106.440164	21.8777291	63896.1135

subject_nr	count_trial	Condition	Exemplar	tot_dist	max_abs_dev	avg_abs_dev	AUC
58	9	Typical	Hund	1432.3129	196.008315	44.4480765	118593.3334
58	10	Typical	Goldfisch	1504.5425	338.962101	48.3724420	275310.8751
58	11	Atypical	Fledermaus	1510.9472	240.213394	60.3721951	112996.6800
58	12	Typical	Hai	1163.5850	96.790514	7.7443601	62537.1634
58	13	Typical	Lachs	1271.7073	149.108476	25.8890486	67451.9395
58	14	Atypical	Pinguin	2422.7492	515.632145	149.2277473	128811.3851
58	15	Typical	Chamaeleon	2073.5896	612.697448	108.8274712	198364.2953
58	16	Typical	Katze	1375.9619	80.059556	27.6741652	55413.8141
58	17	Atypical	Wal	1472.7634	344.965827	98.1269552	203228.5000
58	18	Typical	Alligator	1497.2688	313.627774	16.9177042	156528.2226
58	19	Atypical	Seeloewe	1400.3189	99.729573	19.0796473	64850.9937
59	1	Typical	Loewe	2042.0620	866.375378	168.8816546	404807.5000
59	2	Typical	Hai	1150.8918	30.730799	3.6073075	16710.4854
59	3	Atypical	Schmetterling	1050.2939	25.284606	8.2902643	11850.0616
59	4	Typical	Alligator	961.7080	93.930980	30.7620217	50636.0890
59	5	Atypical	Wal	1161.5240	57.317076	22.3221597	31121.5994
59	6	Typical	Spatz	979.1644	21.893105	2.9609092	11215.9293
59	7	Typical	Chamaeleon	1237.7398	246.701301	50.7289191	138323.5496
59	8	Typical	Kaninchen	1220.9350	26.355862	9.5109675	16012.7333
59	9	Typical	Falke	1080.8329	58.190120	9.9559744	39368.9831
59	10	Typical	Goldfisch	1146.5285	92.859816	26.1201779	37040.4535
59	11	Typical	Lachs	1382.7636	312.393311	104.2339689	167498.6230
59	12	Atypical	Seeloewe	1122.1677	80.494158	28.6762783	52741.1095
59	13	Typical	Pferd	1023.5601	59.133224	19.0723615	35811.1039
59	15	Typical	Katze	1182.1999	235.915738	38.4395592	165976.0000
59	16	Typical	Hund	1057.6796	44.586262	14.0090388	20411.4739
59	17	Atypical	Aal	1230.5716	154.961642	67.5922865	102165.7349
59	18	Atypical	Pinguin	1022.6417	33.411182	7.5916500	19289.4912
59	19	Typical	Klapperschlange	1304.3825	162.761923	33.9752847	88198.9541
60	1	Typical	Kaninchen	1145.7374	30.522313	2.4006082	15555.6609
60	2	Typical	Klapperschlange	1064.9593	76.861673	15.1626143	35620.4767
60	3	Atypical	Fledermaus	2234.7179	883.170033	238.4299743	470590.5787
60	4	Atypical	Seeloewe	1075.7477	86.889378	26.5541870	30941.2185
60	5	Typical	Falke	1204.2790	121.962155	17.9672136	82663.0000
60	6	Typical	Hund	1261.5150	20.741121	3.0640329	12981.9128
60	7	Typical	Hai	1127.3980	69.868399	11.1384287	44757.0000
60	8	Typical	Lachs	1246.9769	52.246352	8.1519000	31991.7419
60	9	Typical	Alligator	1134.4130	56.212035	19.1635704	33067.8282
60	10	Typical	Katze	1078.5334	35.987520	11.5696355	19633.6905
60	11	Typical	Goldfisch	1086.9371	25.458765	4.3118411	16486.5177
60	12	Typical	Spatz	1289.5971	270.792042	68.4219860	153014.3819
60	13	Typical	Pferd	1157.0104	40.015712	7.0895484	22088.0000
60	14	Atypical	Pinguin	2772.4780	1017.808186	401.6344352	438683.5416
60	15	Typical	Chamaeleon	1512.2307	147.597176	41.3008274	96660.8776
60	16	Atypical	Wal	4851.9804	1042.045416	584.1076684	398674.5000
60	17	Atypical	Aal	2855.4197	1088.294669	405.1632440	531948.5140
60	18	Typical	Loewe	1154.5321	114.109019	39.0250391	63222.3277
60	19	Atypical	Schmetterling	2511.4535	991.237719	372.7212863	629746.8789

Question 2.d

```
##           Estimate_tot_dist Lower_tot_dist Upper_tot_dist
```

Table 3: *Fitness of different models per curvature measure with "Condition".*

	Estimate_tot_dist	Lower_tot_dist	Upper_tot_dist	Estimate_max_abs_dev	Lower_max_abs_dev	Upper_max_abs_dev
Intercept	7.3	7.2	7.4	5.3	5.1	5.5
Condition	-0.2	-0.2	-0.1	-0.5	-0.7	-0.3
Intercept	3.7	3.5	4.0	11.4	11.2	11.6
Condition	-0.7	-0.9	-0.4	-0.4	-0.6	-0.2

```
## Intercept      7.3130863      7.2440728      7.3820998
## Condition     -0.1613490     -0.2390200     -0.0836780
## Intercept      3.7335671      3.4737398      3.9933944
## Condition     -0.6511473     -0.9224214     -0.3798732
##               Estimate_max_abs_dev Lower_max_abs_dev Upper_max_abs_dev
## Intercept      5.2779797      5.0602937      5.4956658
## Condition     -0.5100794     -0.7461340     -0.2740249
## Intercept     11.4025989     11.2116242     11.5935737
## Condition     -0.3898001     -0.5902703     -0.1893299
```

Which one does condition have the largest (relative) effect?

From the summary above, we can find that avg_abs_dev has the largest relative effect.

Since the coefficient of Condition in that model has largest abs value. The larger departure from 0 means has bigger effect. That is the same for confidence interval. The CI for the third model has the largest departure from 0.

Question 1.b

Table 4: Proprtion of fuel types by division and urban type. Each row shows the fuel type distribution for one or more division and urban types.

division	uatyp	Electricity	NaturalGas	Propane	Wood	OilKerosene	OtherFuel
ENCen	Rural	(29.695202,31.981512) ; 30.838357	(43.177727,45.838106) ; 44.507916	(19.172411,21.990441) ; 20.581426	(3.839478,4.305123) ; 4.072301	NA	NA
ENCen	UrbanArea	(17.365781,18.223749) ; 17.794765	(80.095143,81.031954) ; 80.563548	(0.411832,0.555828) ; 0.483830	(0.648618,0.807029) ; 0.727824	(0.343290,0.516776) ; 0.430033	NA
ENCen	UrbanCluster	(14.018023,15.541120) ; 14.779571	(80.904619,82.797094) ; 81.850857	(1.154480,1.687637) ; 1.421058	(1.723851,2.173177) ; 1.948514	NA	NA
EScen	Rural	(54.858179,57.346983) ; 56.102581	(15.270612,17.891799) ; 16.581205	(18.744811,19.738584) ; 19.241697	(6.514212,7.394554) ; 6.954383	(0.871876,1.368390) ; 1.120133	NA
EScen	UrbanArea	(62.699202,65.586230) ; 64.142716	(34.413770,37.300798) ; 35.857284	NA	NA	NA	NA
EScen	UrbanCluster	(66.664529,69.850370) ; 68.257450	(22.794091,26.654649) ; 24.724370	(5.803013,6.825149) ; 6.314081	NA	(0.478176,0.930023) ; 0.704099	NA
MidAtlan	Rural	(11.956394,14.235958) ; 13.096176	(15.793381,18.939285) ; 17.366333	(11.885968,13.497102) ; 12.691535	(23.753025,24.901665) ; 24.327345	(26.218336,28.096392) ; 27.157364	(4.975821,5.746672) ; 5.361247
MidAtlan	UrbanArea	(15.593616,16.455740) ; 16.024678	(64.947419,66.568002) ; 65.757710	(1.060343,1.329746) ; 1.195045	(0.485833,0.611576) ; 0.548704	(15.402375,16.456841) ; 15.929608	(0.474876,0.613632) ; 0.544254
MidAtlan	UrbanCluster	(6.528286,8.417692) ; 7.472989	(65.807877,70.620246) ; 68.214061	(4.910712,6.174046) ; 5.542379	(7.053088,9.990347) ; 8.521717	(9.308189,11.189518) ; 10.248854	NA
MountNth	Rural	(12.798829,15.877930) ; 14.338380	(59.712152,62.424682) ; 61.068417	(12.644924,14.220637) ; 13.432781	(9.968149,10.958483) ; 10.463316	NA	(0.522833,0.871380) ; 0.697107
MountNth	UrbanArea	(14.363317,16.246824) ; 15.305071	(82.372547,84.391407) ; 83.381977	(0.551945,0.794926) ; 0.673436	(0.502277,0.776756) ; 0.639517	NA	NA
MountNth	UrbanCluster	(14.696982,17.467191) ; 16.082086	(82.532809,85.303018) ; 83.917914	NA	NA	NA	NA
MountSth	Rural	(10.847779,13.507634) ; 12.177706	(13.189152,19.123345) ; 16.156248	(33.539893,34.385328) ; 33.962610	(35.227138,40.179731) ; 37.703435	NA	NA
MountSth	UrbanArea	(43.382248,47.321975) ; 45.352111	(51.841158,55.762225) ; 53.801692	(0.587473,1.104921) ; 0.846197	NA	NA	NA
MountSth	UrbanCluster	NA	(100.000000,100.000000) ; 100.000000	NA	NA	NA	NA
NewEng	Rural	(0.819745,1.036970) ; 0.928358	(0.342739,0.509406) ; 0.426073	(20.210863,21.325341) ; 20.768102	(19.532267,21.800987) ; 20.666627	(56.418107,58.003575) ; 57.210841	NA
NewEng	UrbanArea	(11.312205,12.505817) ; 11.909011	(54.942623,57.949232) ; 56.445927	(2.634306,3.393064) ; 3.013685	(2.044600,2.583189) ; 2.313895	(25.231713,27.403251) ; 26.317482	NA
NewEng	UrbanCluster	(8.439197,9.450997) ; 8.945097	(34.484077,39.504306) ; 36.994191	(2.815452,3.346107) ; 3.080779	(3.721867,4.927836) ; 4.324852	(44.350666,48.959495) ; 46.655081	NA
Pacific	Rural	(48.259874,50.816238) ; 49.538056	(4.520027,5.174465) ; 4.847246	(16.849727,20.033570) ; 18.441649	(20.814259,23.331002) ; 22.072631	(4.748678,5.452158) ; 5.100418	NA
Pacific	UrbanArea	(31.635143,33.021475) ; 32.328309	(65.125892,66.568701) ; 65.847297	(0.085873,0.131155) ; 0.108514	(1.387252,1.562785) ; 1.475018	(0.188781,0.292943) ; 0.240862	NA
Pacific	UrbanCluster	(61.110638,64.979629) ; 63.045134	(30.827826,33.786340) ; 32.307083	NA	(4.028241,5.267325) ; 4.647783	NA	NA
SoutAtlan	Rural	(70.162329,71.823182) ; 70.992756	(8.080296,9.328203) ; 8.704250	(8.475277,9.385224) ; 8.930250	(5.864338,6.861850) ; 6.363094	(4.601209,5.418092) ; 5.009651	NA
SoutAtlan	UrbanArea	(56.049190,57.427093) ; 56.738142	(35.872542,37.434958) ; 36.653750	(1.921524,2.282244) ; 2.101884	(0.887158,1.022857) ; 0.955008	(3.353698,3.748735) ; 3.551217	NA
SoutAtlan	UrbanCluster	(58.573004,63.675815) ; 61.124409	(32.156586,37.746198) ; 34.951392	(2.681870,3.349742) ; 3.015806	NA	(0.662330,1.154454) ; 0.908392	NA
WNCentral	Rural	(26.922146,28.840027) ; 27.881086	(22.927531,25.466222) ; 24.196876	(28.752183,30.843950) ; 29.798067	(15.992984,17.039861) ; 16.516423	(1.431671,1.783424) ; 1.607548	NA
WNCentral	UrbanArea	(20.354436,22.038163) ; 21.196300	(76.453944,78.129710) ; 77.291827	(1.373945,1.649802) ; 1.511873	NA	NA	NA
WNCentral	UrbanCluster	(13.871570,15.927951) ; 14.899761	(78.692719,81.335665) ; 80.014192	(2.378447,3.012709) ; 2.695578	NA	(0.537096,0.981966) ; 0.759531	(1.300372,1.961506) ; 1.630939
WSCentral	Rural	(50.573624,52.859236) ; 51.716430	(25.744398,27.701852) ; 26.723125	(14.375957,15.816877) ; 15.096417	(6.021950,6.906106) ; 6.464028	NA	NA
WSCentral	UrbanArea	(55.093894,56.700932) ; 55.897413	(43.090519,44.672847) ; 43.881683	NA	(0.179610,0.262198) ; 0.220904	NA	NA
WSCentral	UrbanCluster	(54.952901,57.529412) ; 56.241156	(42.470588,45.047099) ; 43.758844	NA	NA	NA	NA