Stylebot Experiment

Wafa Johal

September 22, 2016

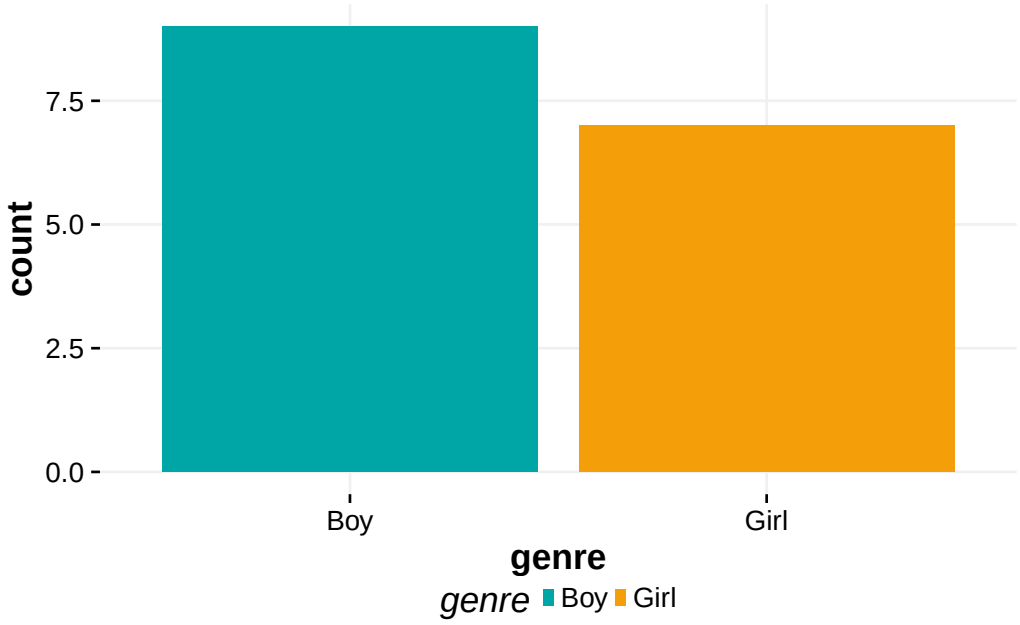
1 Interviews

Table 1: Summary statistics of activities metadata

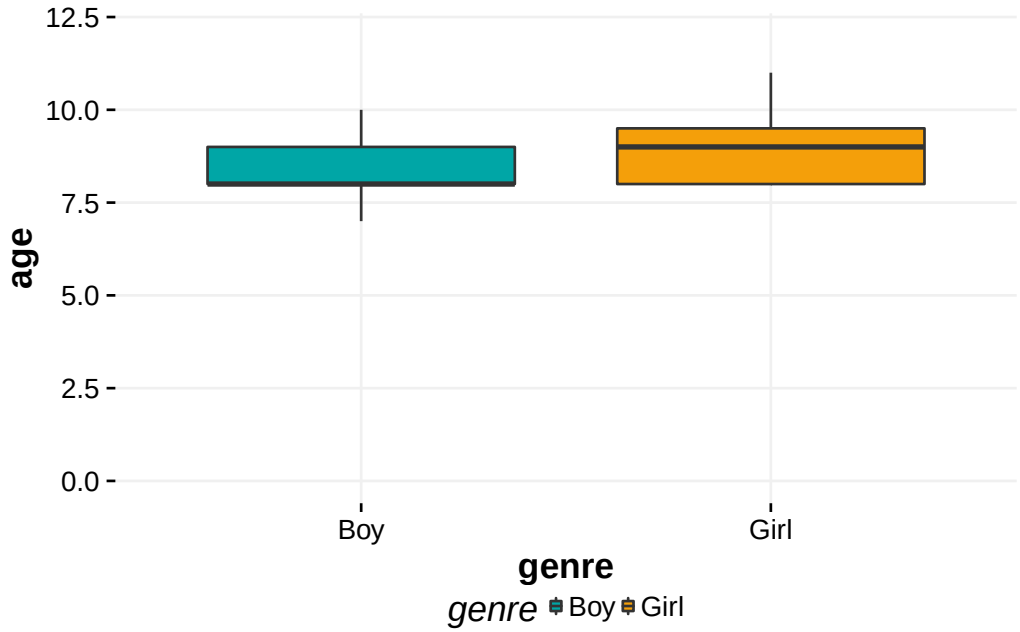
Statistic	N	Mean	St. Dev.	Min	Max
ordre	16	8.500	4.761	1	16
age	16	8.688	1.014	7	11
p_robot	16	3.125	1.258	1	5
p_videogame	16	3.500	1.414	1	5
p_bike	16	2.375	1.310	1	5
p_book	16	2.312	1.138	1	4
p_clothes	16	3.688	1.537	1	5
p_homeworks	16	3.375	1.147	1	4
p_play	16	3.562	0.892	1	4
p_teach	16	3.938	0.250	3	4
p_phone	15	1.867	1.302	1	4
p_webbrowser	15	2.067	1.335	1	4
prefered_session	14	1.643	0.497	1	2
e_robot	13	1.077	0.277	1	2
e_videogame	13	2.615	1.193	1	5
e_bike	12	3.250	0.965	2	5
e_book	12	3.417	1.379	1	5
e_clothes	13	4.308	0.751	3	5
e_homeworks	13	3.115	0.650	2.000	4.000
e_play	13	3.115	0.618	2.000	4.000
e_rules	12	3.167	0.577	2	4
e_learn	13	3.500	0.577	2.500	4.000
e_sport	12	3.000	0.603	2	4
e_teach	12	3.500	0.674	2	4
e_outside	12	2.917	0.900	1	4
e_mood	12	3.375	0.569	2.500	4.000
e_phone	13	2.308	1.109	1	4
e_webbrowser	13	2.500	0.957	1.000	4.000

1.1 General

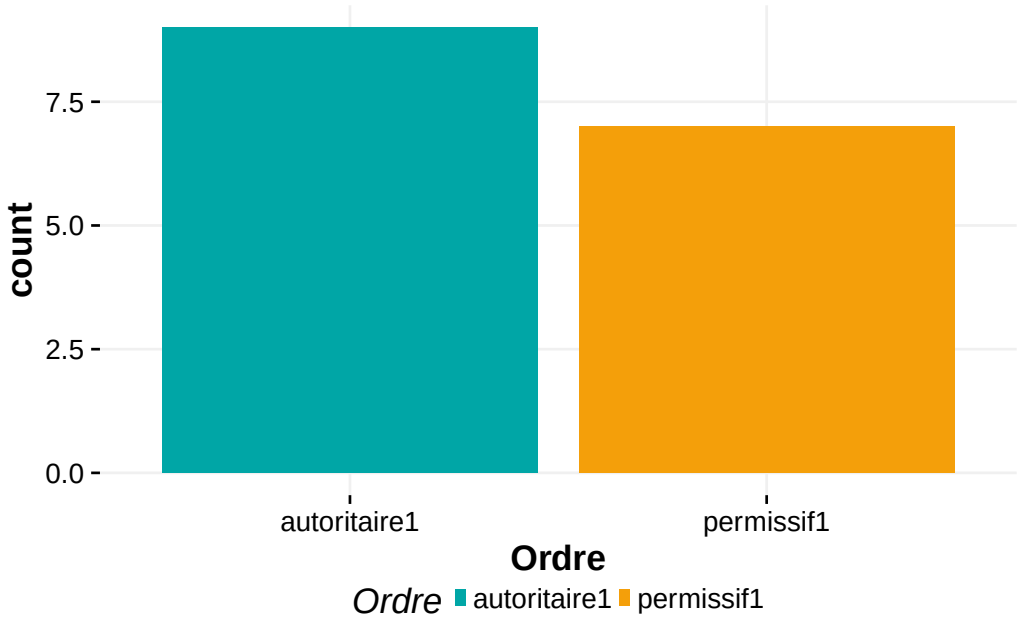
1.1.1 Gender



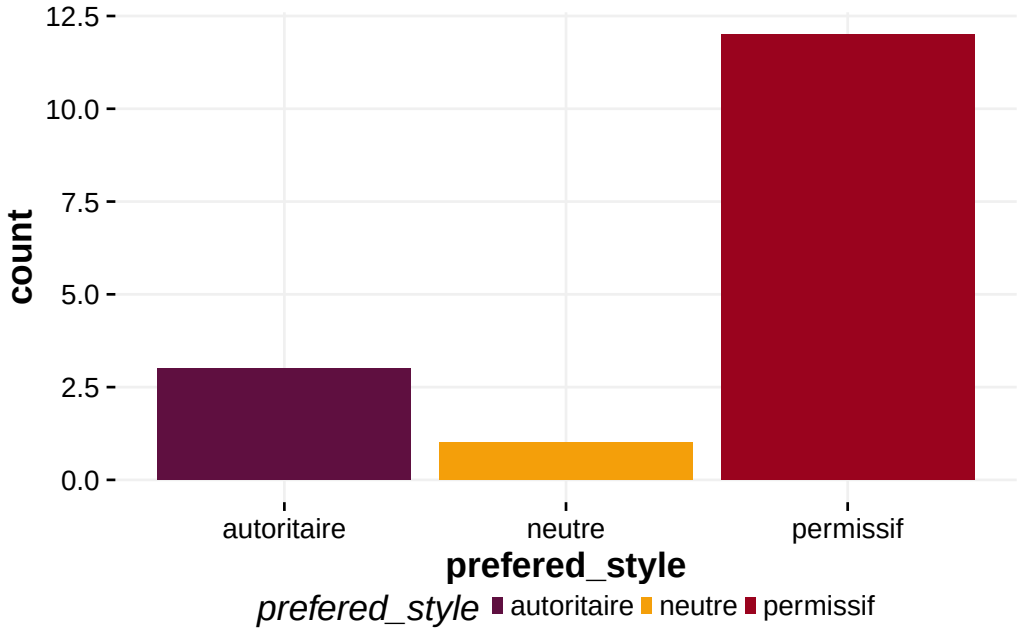
1.1.2 Age



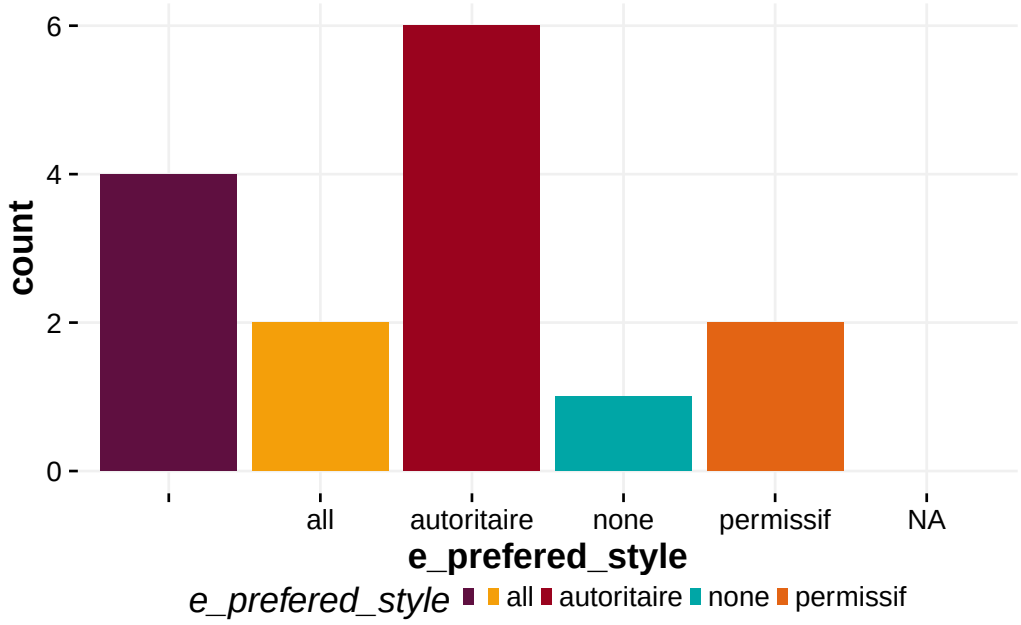
1.1.3 order



1.1.4 Preferred style parent

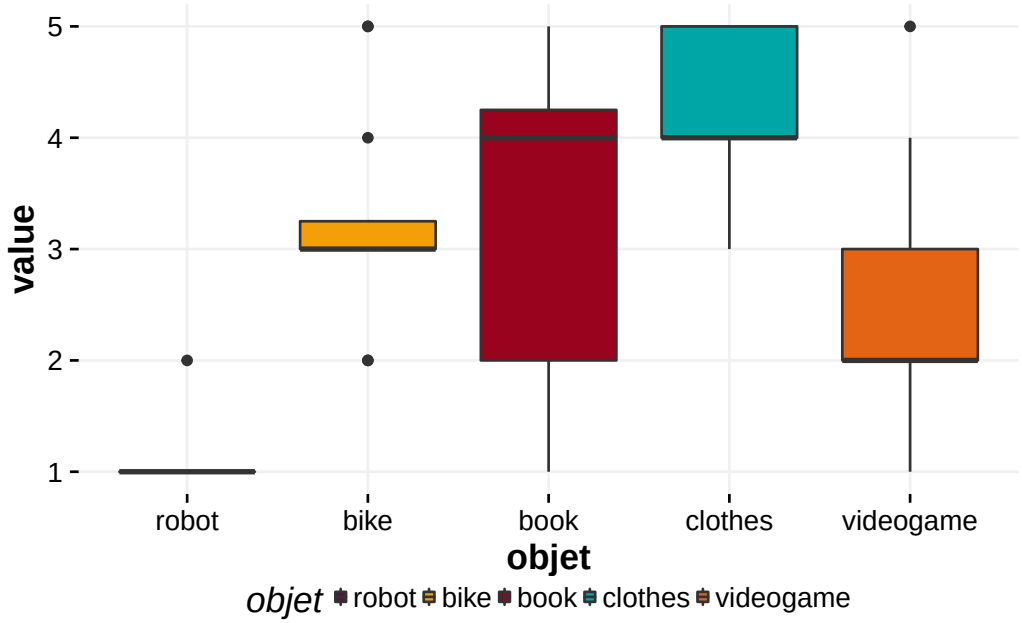


1.1.5 Preferred style children

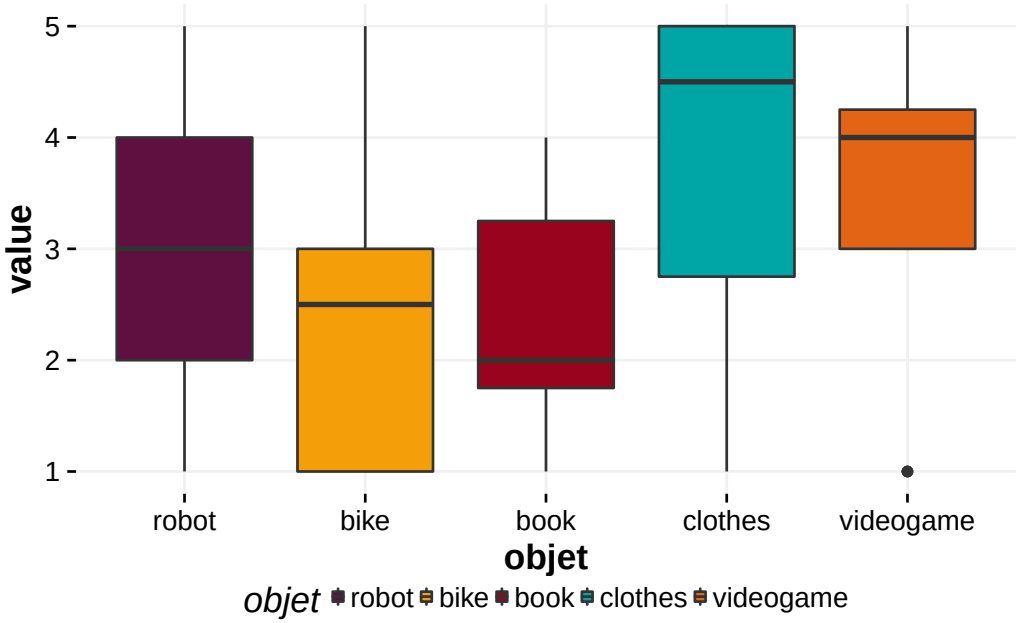


1.2 COIRS - CHILD ORIENTAION IN INTERACTING WITH ROBOT

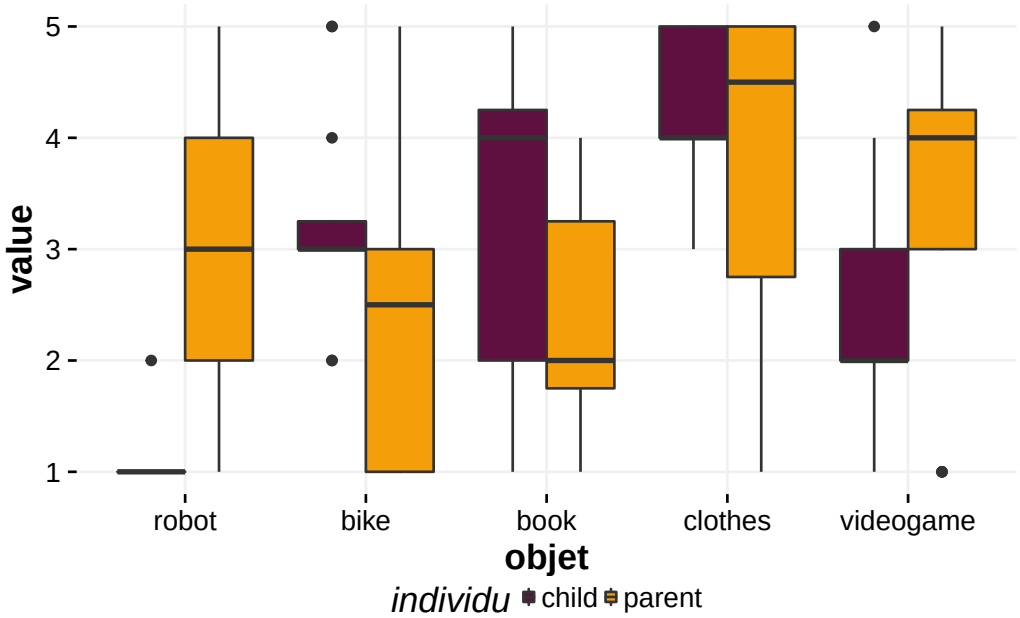
The following plot shows the average ranking for children for each of the object (1: first in the child's wish list)



The following plot shows the average ranking for parents for each of the object (1: first in the parent's wish list as

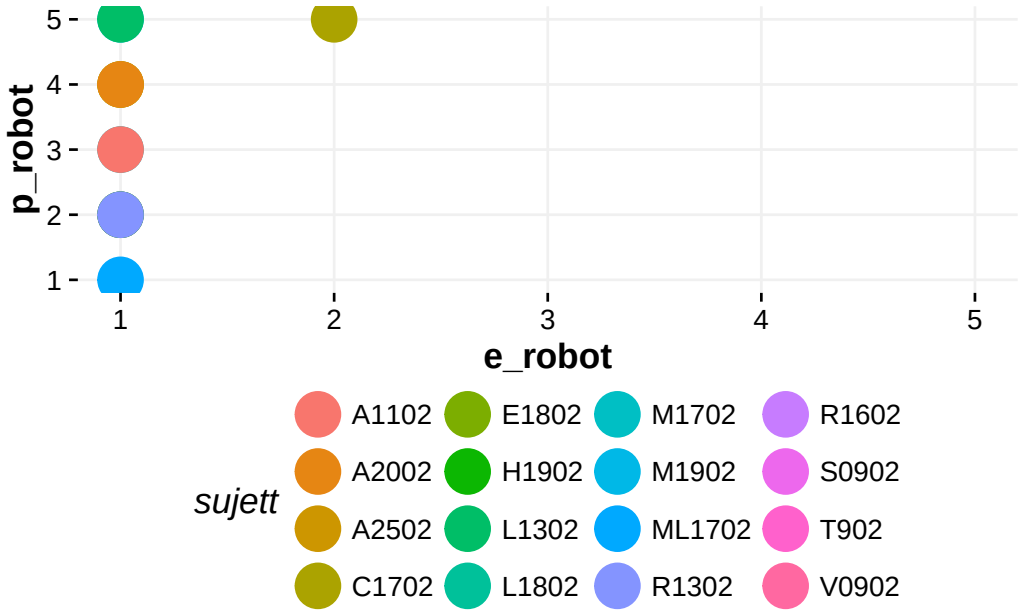


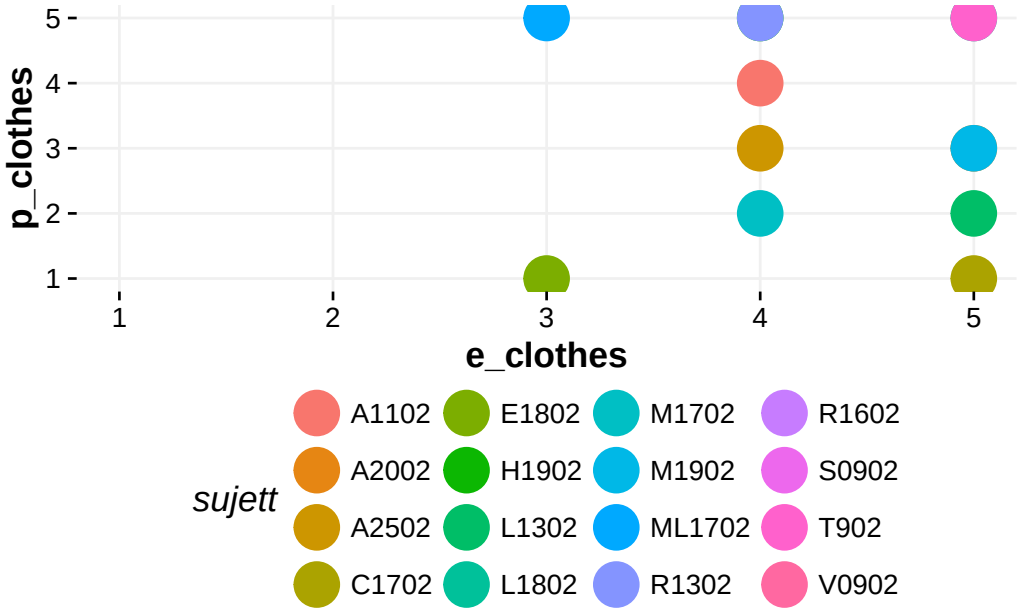
a gift for thei child)



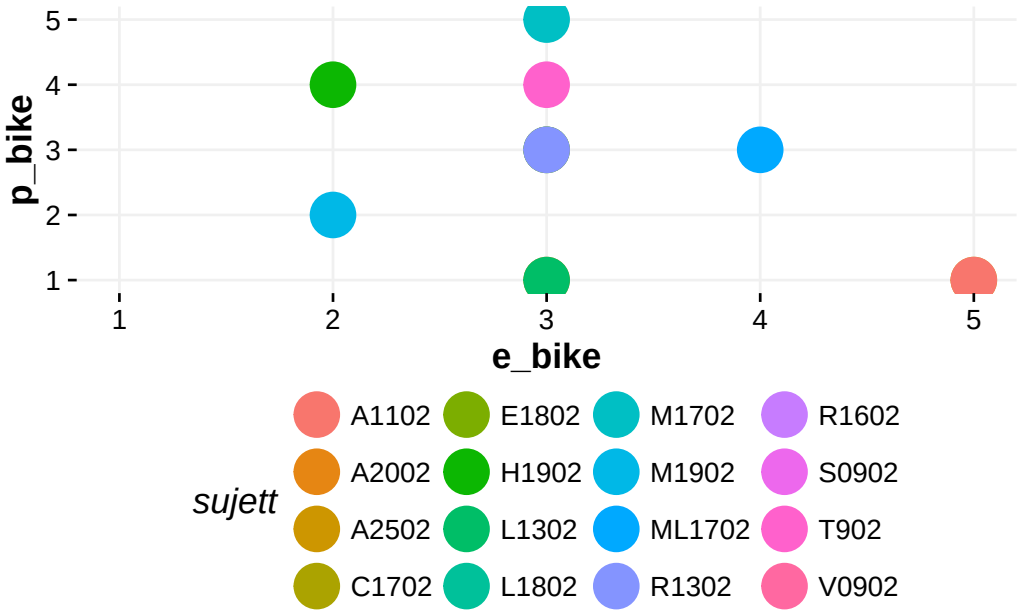
1.2.1 Child-parent correlation in object ranking

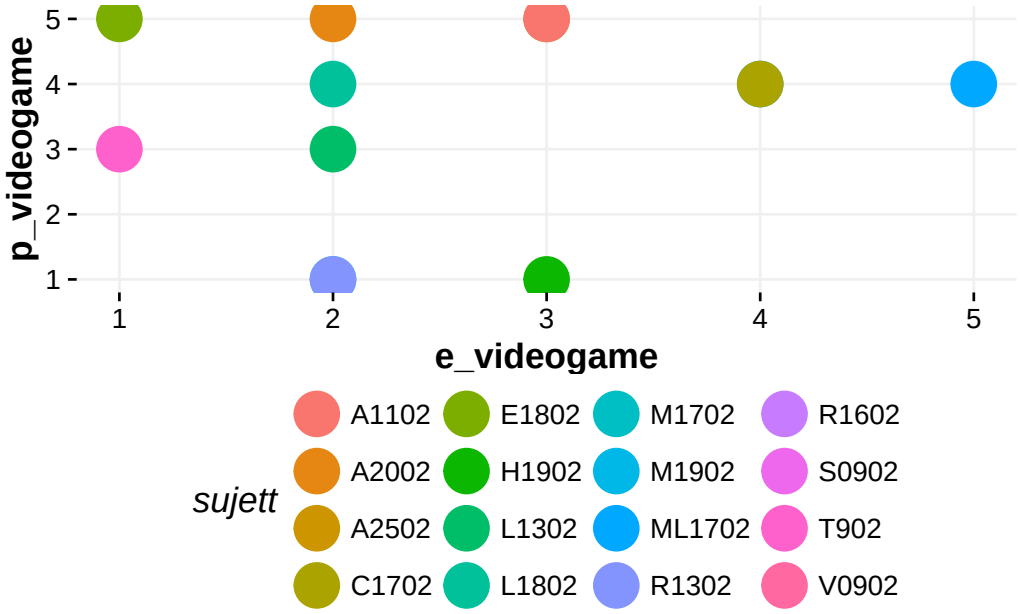
Next graphs show the correlation between parent and children ranking for each of the child subject





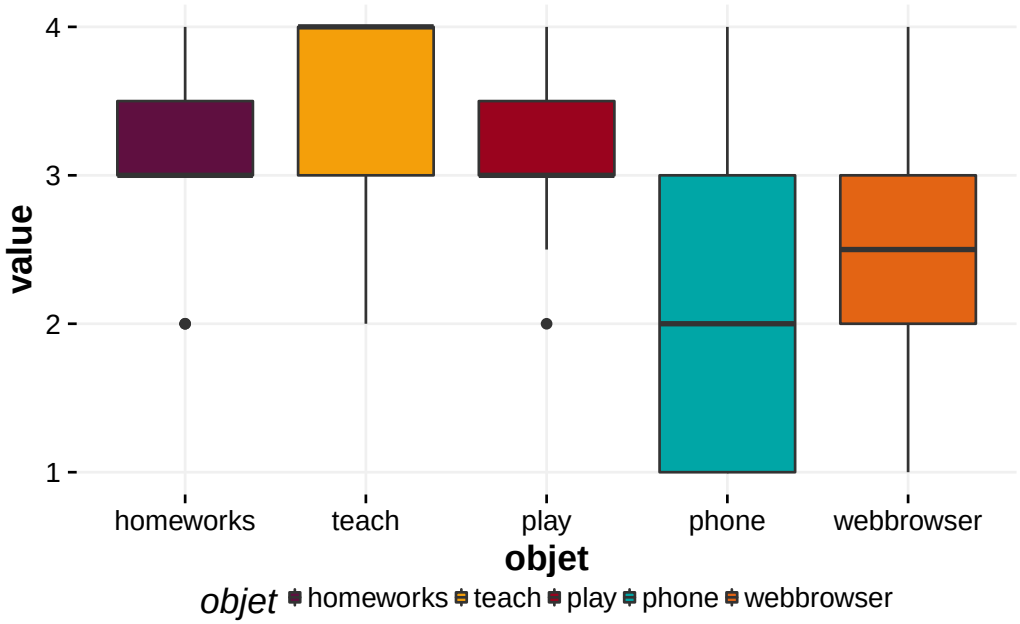
p_book
5
4
3
2
1
1
2
3
4
5
e_book
sujett
A1102
A2002
A2502
C1702
E1802
H1902
L1302
L1802
M1702
M1902
ML1702
R1302
R1602
S0902
T902
V0902


p_bike
5
4
3
2
1
1
2
3
4
5
e_bike
sujett
A1102
A2002
A2502
C1702
E1802
H1902
L1302
L1802
M1702
M1902
ML1702
R1302
R1602
S0902
T902
V0902

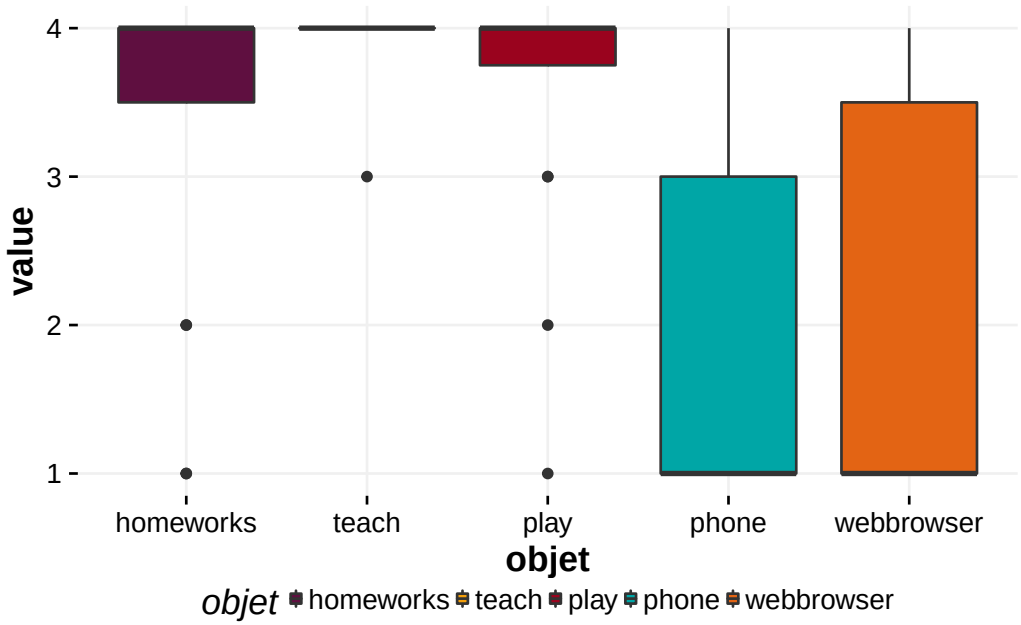


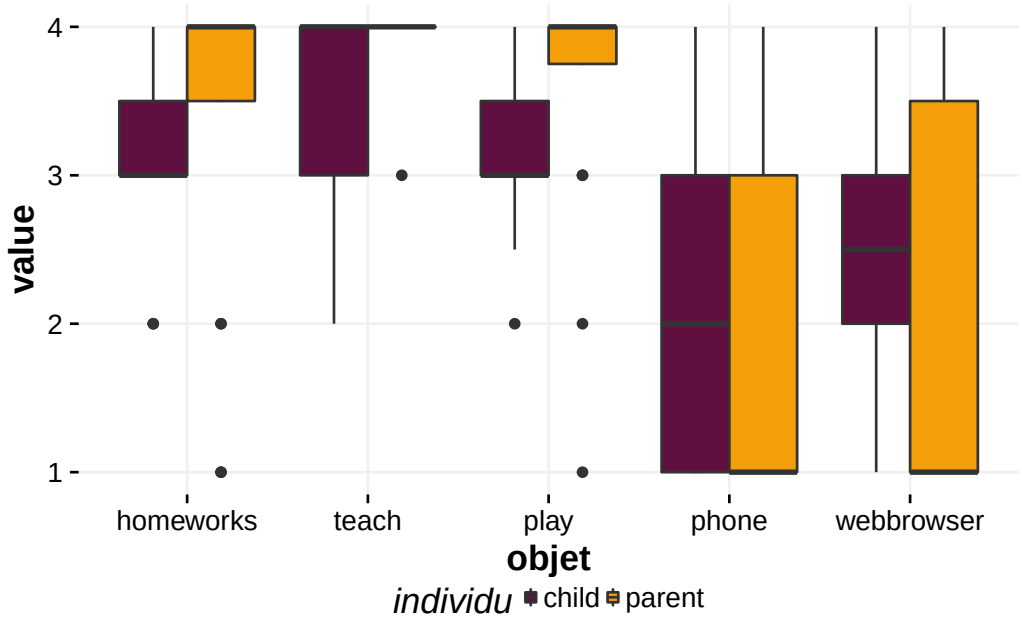
1.3 Functionality preferences

The following plot shows the average preference of children for each functionality (4: very preferred, 1: not preferred)



The following plot shows the average preference of parents for each functionality (4: very preferred, 1: not preferred)





2 Features

3 Postures