

## Appendix

**Table A1:** Statistical results of object order distribution in the different discourse topic conditions in both participant groups.

	Estimate	Std. Error	Z value	p.value	Significance
(Intercept)	0.8508	0.4182	2.034	0.041	p<0.05
Ad DT-S					
Ad DT-DO	-1.3042	0.3611	-3.611	0.000304	p<0.001
Ad DT-IO	1.671	0.3802	4.395	1.11e-05	p<0.001
Ch DT-S	0.8244	0.4582	1.799	0.072003	p<0.1
Ch DT-DO	1.5274	0.4149	3.682	0.000232	p<0.001
Ch DT-IO	-1.8247	0.4515	-0.042	5.31e-05	p<0.001

**Table A2:** Statistical results of object orders of NP-NP occurrences.

	Estimate	Std. Error	Z value	Pr (>z)	Significance
(Intercept)	0.6774	0.4901	1.382	0.1669	
Ad DT-S					
Ad DT-DO	-1.9698	0.4547	-4.332	1.48e-05	p<0.001
Ad DT-IO	1.2443	0.5176	2.404	0.0162	p<0.05
Ch DT-S	1.1344	0.5628	2.016	0.043848	p<0.05
Ch DT-DO	2.0878	0.5386	3.877	0.000106	p<0.001
Ch DT-IO	-1.5058	0.6069	-2.481	0.013092	p<0.05

**Table A3:** Statistical results of variation of referring expressions according to discourse topic.

	Estimate	Std. Error	Z value	Pr (>z)	Significance
(Intercept)	-0.1765	0.4556	-0.387	0.6983	
Ad DT-S					
Ad DT-DO	1.9494	0.5296	3.681	0.000232	p<0.001
Ad DT-IO	-1.0815	0.3503	-3.088	0.002018	p<0.01
Ch DT-S	-1.8494	0.4124	4.485	7.30e-06	p<0.001
Ch DT-DO	-1.9088	0.3816	-5.002	5.68e-07	p<0.001
Ch DT-IO	-0.2679	0.3555	-0.753	0.4512	

**Table A4:** Adult word order distribution in the task.

Adults	DT-S	DT-DO	DT-IO
<b>DO-IO</b>	35% (63)	54% (83)	12% (20)
<b>IO-DO</b>	63% (113)	40% (62)	68% (113)
<b>Object omission</b>	2% (4)	6% (9)	19% (32)
<b>Total</b>	180	154	165

**Table A5:** Children's word order distribution in the task.

Children	DT-S	DT-DO	DT-IO
<b>DO-IO</b>	23% (71)	17% (43)	20% (52)
<b>IO-DO</b>	72% (224)	56% (138)	59% (150)
<b>Object omission</b>	5% (15)	27% (66)	21% (53)
<b>Total</b>	311	247	255

**Table A6:** Adult word order distribution of NP-NP combinations.

Adults	DT-S	DT-DO	DT-IO
<b>DO-IO</b>	42% (60)	69% (61)	36% (17)
<b>IO-DO</b>	58% (82)	31% (28)	64% (30)
<b>Total</b>	142	89	47

**Table A7:** Children's word order distribution of NP-NP combinations.

Children	DT-S	DT-DO	DT-IO
<b>DO-IO</b>	26% (64)	24% (35)	31% (41)
<b>IO-DO</b>	74% (185)	76% (109)	69% (92)
<b>Total</b>	249	144	133

**Table A8:** Adult omission distribution in the task.

Adults	DT-S	DT-DO	DT-IO
<b>DO-om</b>	0,06% (1)	3% (5)	0%
<b>IO-om</b>	2% (3)	2% (4)	19% (32)
<b>Total:</b>	180	154	165

**Table A9:** Children's omission distribution in the task.

Children	DT-S	DT-DO	DT-IO
<b>DO-om</b>	1% (5)	19% (46)	2% (6)
<b>IO-om</b>	3% (10)	8% (20)	18% (47)
<b>Total:</b>	311	247	255

**Table A10:** Referring expression of the S in the adult data.

Adult	NP	Pronoun	Omission
<b>DT-S</b>	47% (84)	0%	53% (96)
<b>DT-DO</b>	57% (89)	4% (6)	39% (61)
<b>DT-IO</b>	71% (117)	0%	28% (46)

**Table A11:** Referring expression of the DO in the adult data.

Adults	NP	Pronoun	Clitic	Omission
<b>DT-S</b>	97% (175)	0%	1% (2)	0,6% (1)
<b>DT-DO</b>	79% (123)	0,6% (1)	17% (27)	0,3% (5)
<b>DT-IO</b>	99% (164)	0%	1% (1)	0%

**Table A12:** Referring expression of the IO in the adult data.

Adults	NP	Pronoun	Clitic	Omission
<b>DT-S</b>	82% (147)	0,5% (1)	12% (21)	2% (3)
<b>DT-DO</b>	73% (114)	2% (3)	22% (34)	26% (4)
<b>DT-IO</b>	30% (49)	1% (2)	50% (84)	18% (30)

**Table A13:** Referring expression of the S in the child data.

Children	NP	Pronoun	Omission
<b>DT-S</b>	75% (213)	3% (8)	22% (62)
<b>DT-DO</b>	70% (174)	4% (11)	26% (65)
<b>DT-IO</b>	70% (178)	7% (18)	23% (58)

**Table A14:** Referring expression of the DO in the child data.

Children	NP	Pronoun	Clitic	Omission
<b>DT-S</b>	98% (278)	1% (2)	0%	1% (3)
<b>DT-DO</b>	78% (194)	3% (7)	0,4% (1)	18% (46)
<b>DT-IO</b>	95% (243)	3% (8)	0%	1% (3)

**Table A15:** Referring expression of the IO in the child data.

Children	NP	Pronoun	Clitic	Omission
<b>DT-S</b>	91% (257)	3% (8)	4% (11)	2% (7)
<b>DT-DO</b>	72% (181)	4% (10)	14% (36)	9% (22)
<b>DT-IO</b>	55% (140)	11% (29)	16% (4)	18% (47)