

TABLE

This table relates to the data presented in the paper:

Kory Westlund, J. M., Park, H., Williams, R., Breazeal, C. (2018). Measuring Young Children's Long-term Relationships with Social Robots. Proceedings of the 17th ACM Interaction Design and Children Conference (IDC) ACM: New York, NY.

The table shows the frequency of children's justifications for their responses to the Social Relational Interview (SRI). Most children provided explanations, with a mean of 30.1 of the 44 children ($SD = 2.66$) doing so for each SRI item. A mean of 5.5 children ($SD = 2.56$) per item used more than one justification type in their response, e.g., referring both to the robot's feelings and to consequences: "Because she is not going to have no one to play with or talk with. That would make her really, really, really sad." The frequency of each justification type by SRI item is listed in Table 1, below.

These frequencies are summed across the pretest and posttest because children often used the same justification types at both times, and thus, the more interesting feature to examine is what type of justification children used when explaining that *yes*, the robot did feel something, or *no*, the robot did not mind or did not care.

Table 1. Frequency of justification types children used to explain their SRI responses, summed across the pretest and posttest. Not all children provided a justification, and some children used more than one type of justification. Here, “Feel.” = “Feelings”; “Attrib.” = “Attributes”; “Situ.” = “Situation”; and “Conseq.” = “Consequences”.

Question	SRI resp.	Feel.	Attrib.	Actions	Self	Others	Situ.	Conseq.	Moral	None
Sad if child is mean	<i>yes, feel</i>	22	0	2	3	8	8	10	6	16
	<i>maybe</i>	1	0	0	1	0	0	0	0	0
	<i>not mind</i>	2	1	0	1	1	1	2	0	9
Sad if no friends	<i>yes, feel</i>	16	1	0	5	2	6	25	4	17
	<i>maybe</i>	0	0	0	1	0	0	0	0	4
	<i>not mind</i>	1	2	0	0	0	1	2	0	3
Help another child	<i>yes, feel</i>	9	18	2	3	8	10	2	8	17
	<i>maybe</i>	0	1	0	0	0	0	0	0	1
	<i>not mind</i>	2	3	0	1	0	2	0	1	5
Want to share secret	<i>yes, feel</i>	10	2	0	1	7	3	2	9	8
	<i>maybe</i>	0	1	0	0	0	0	0	0	2
	<i>not mind</i>	6	4	0	3	5	2	2	14	10
Cheer up another child	<i>yes, feel</i>	18	11	3	2	16	5	8	8	17
	<i>maybe</i>	0	0	0	0	0	0	0	0	0
	<i>not mind</i>	1	3	1	0	0	2	2	1	5
Really does want friend	<i>yes, feel</i>	17	9	8	4	0	9	6	5	18
	<i>maybe</i>	0	0	0	0	0	0	0	0	0
	<i>not mind</i>	5	7	1	2	0	1	1	0	4
Really does like you	<i>yes, feel</i>	10	6	8	23	1	2	0	0	25
	<i>maybe</i>	0	1	1	0	0	0	0	0	1
	<i>not mind</i>	5	4	1	4	2	0	0	1	6
Total	<i>yes, feel</i>	102	47	23	41	42	43	53	40	118
	<i>maybe</i>	1	3	1	2	0	0	0	0	9
	<i>not mind</i>	22	24	3	11	8	9	9	17	42