

Cheating with two Goals

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Cheating Results

Descriptives and Between Subject Analysis

Table 1: Cheating Sum Stats for Two Goals Condition

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
cheat	52	0.212	0.412	0	0	0	1
cheatnever	52	0.788	0.412	0	1	1	1
cheatALL	52	3.750	10.462	0	0	0	52
X0.cheatALL	52	1.346	3.814	0	0	0	15
X1.cheatALL	52	0.981	2.900	0	0	0	15
X2.cheatALL	52	0.865	2.780	0	0	0	16
X3.cheatALL	52	1.000	2.997	0	0	0	16
X4.cheatALL	52	0.942	2.660	0	0	0	10
X5.cheatALL	52	0.942	2.704	0	0	0	11

Table 2: Cheating Sum Stats for Easy Condition

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
cheat	54	0.056	0.231	0	0	0	1
cheatnever	54	0.944	0.231	0	1	1	1
cheatALL	54	0.148	0.684	0	0	0	4
X0.cheatALL	54	0.093	0.559	0	0	0	4
X1.cheatALL	54	0.019	0.136	0	0	0	1
X2.cheatALL	54	0.037	0.191	0	0	0	1
X3.cheatALL	54	0.037	0.191	0	0	0	1
X4.cheatALL	54	0.037	0.191	0	0	0	1
X5.cheatALL	54	0.037	0.191	0	0	0	1

Table 3: Cheating Sum Stats for Hard Condition

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
cheat	45	0.311	0.468	0	0	1	1
cheatnever	45	0.689	0.468	0	0	1	1
cheatALL	45	9.089	16.576	0	0	10	69
X0.cheatALL	45	0.778	2.601	0	0	0	12
X1.cheatALL	45	1.467	4.065	0	0	0	22
X2.cheatALL	45	2.511	4.586	0	0	4	19
X3.cheatALL	45	2.244	4.113	0	0	1	16
X4.cheatALL	45	2.178	4.412	0	0	1	22
X5.cheatALL	45	2.156	3.994	0	0	1	16

Table 4: Main Regressions for Cheating DVs

	<i>Dependent variable:</i>		
	cheat		cheatALL
	<i>OLS</i>	<i>logistic</i>	<i>OLS</i>
	(1)	(2)	(3)
Easy	-0.156** (0.073)	-1.518** (0.684)	-3.602* (2.125)
Hard	0.100 (0.077)	0.521 (0.468)	5.339** (2.226)
Constant	0.212*** (0.052)	-1.316*** (0.340)	3.750** (1.516)
Observations	151	151	151
R ²	0.073		0.100
Adjusted R ²	0.060		0.088

Note: *p<0.1; **p<0.05; ***p<0.01

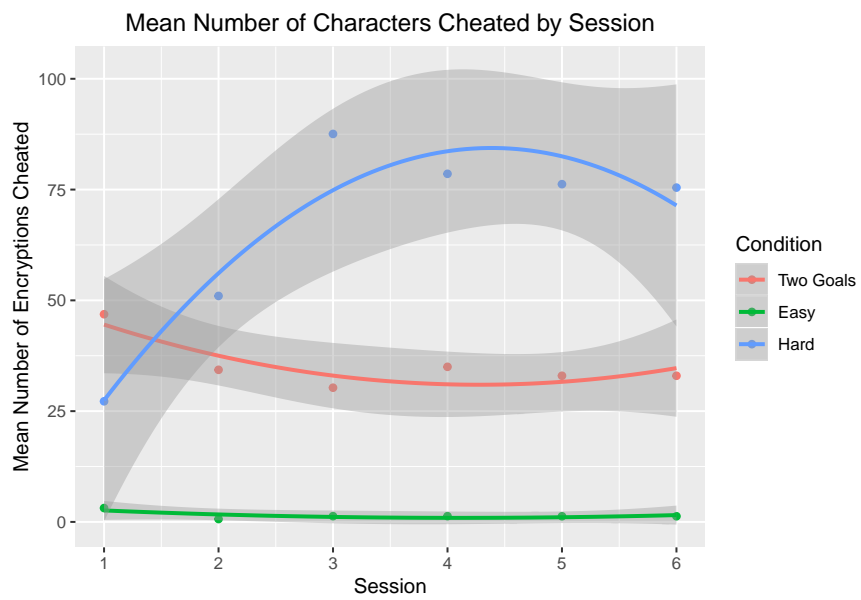
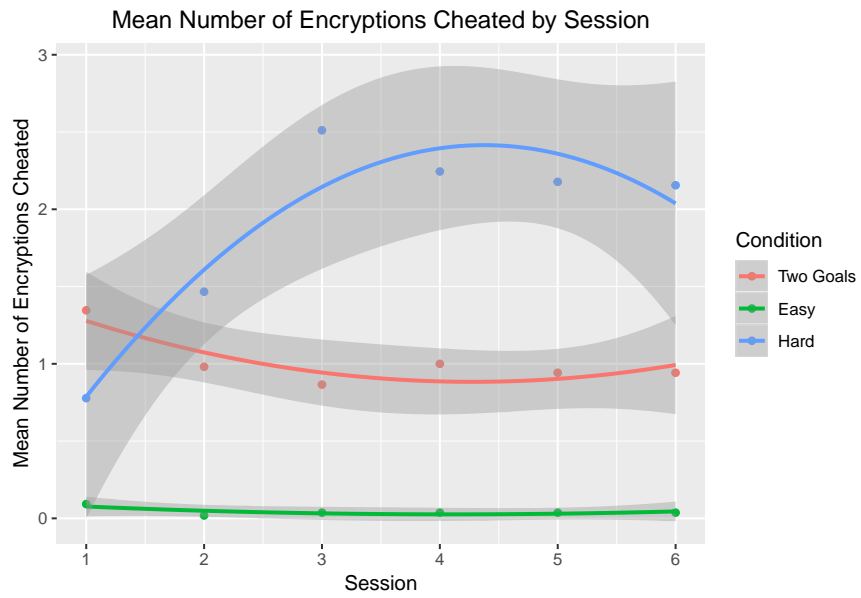
Table 5: Main Regressions for Cheating DVs

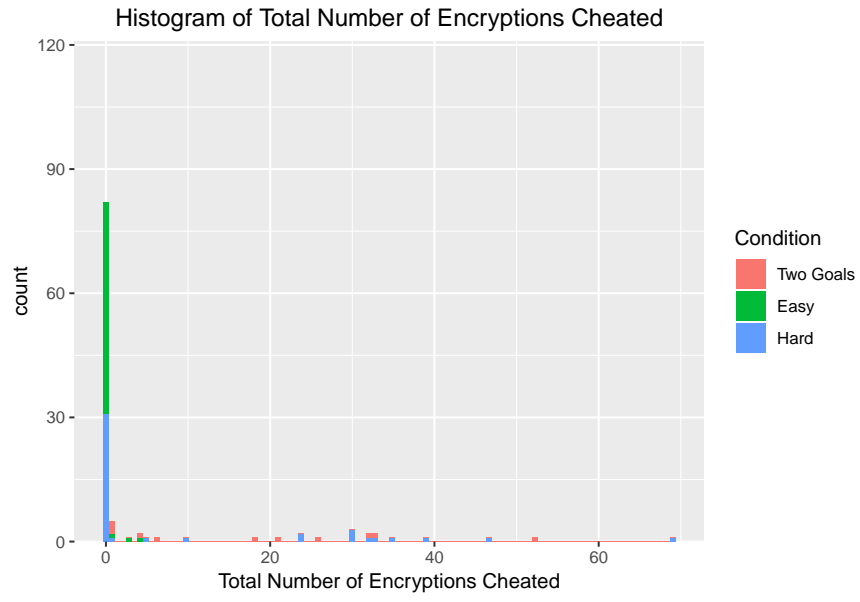
	<i>Dependent variable:</i>					
	X0.cheatALL (1)	X1.cheatALL (2)	X2.cheatALL (3)	X3.cheatALL (4)	X4.cheatALL (5)	X5.cheatALL (6)
Easy	-1.254** (0.519)	-0.962* (0.543)	-0.828 (0.581)	-0.963* (0.554)	-0.905 (0.558)	-0.905* (0.524)
Hard	-0.568 (0.544)	0.486 (0.569)	1.646*** (0.608)	1.244** (0.581)	1.235** (0.584)	1.213** (0.549)
Constant	1.346*** (0.370)	0.981** (0.388)	0.865** (0.414)	1.000** (0.396)	0.942** (0.398)	0.942** (0.374)
Observations	151	151	151	151	151	151
R ²	0.038	0.045	0.104	0.090	0.085	0.093
Adjusted R ²	0.025	0.032	0.092	0.078	0.072	0.081

Note:

*p<0.1; **p<0.05; ***p<0.01

Data Visualization





Within Subject Analysis

Table 6: Within-Subject Regression Results for Number of Cheated Encryptions Across Sessions

	<i>Dependent variable:</i>		
	cheat		
	(1)	(2)	(3)
Easy	-0.900** (0.362)	-0.900** (0.362)	-0.823 (0.549)
Hard	1.335* (0.712)	1.335* (0.713)	1.923* (0.984)
Session		-0.028 (0.042)	0.017 (0.079)
Easy x Session			-0.017 (0.079)
Hard x Session			-0.131 (0.132)
Constant	0.938*** (0.361)	1.063** (0.425)	0.860 (0.548)
Clustered SE:	Y	Y	Y
Observations	604	604	604
R ²	0.093	0.093	0.093
Adjusted R ²	0.090	0.088	0.086
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

Table 7: Within-Subject Regression Results for Number of Cheated Encryptions Across Sessions

	<i>Dependent variable:</i>		
	cheat		
	(1)	(2)	(3)
Easy	-31.525** (12.660)	-31.525** (12.670)	-28.766 (19.200)
Hard	46.632* (24.913)	46.632* (24.934)	66.758* (34.453)
Session		-0.946 (1.466)	0.606 (2.762)
Easy x Session			-0.613 (2.764)
Hard x Session			-4.472 (4.628)
Constant	32.812*** (12.634)	37.071** (14.881)	30.087 (19.173)
Clustered SE:	Y	Y	Y
Observations	604	604	604
R ²	0.092	0.093	0.093
Adjusted R ²	0.089	0.088	0.085
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

Honest Results

Descriptives and Between Subject Analysis

Table 8: Honest Sum Stats for Two Goals Condition

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
honest	52	0.885	0.323	0	1	1	1
neverhonest	52	0.115	0.323	0	0	0	1
honestALL	52	15.423	8.943	0	10	20.2	35
honestm	52	3.856	2.236	0.000	2.500	5.062	8.750
honest1	52	4.077	2.408	0	3	6	10
honest2	52	3.827	2.357	0	2	5	10
honest3	52	4.019	2.509	0	2	5	10
honest4	52	3.808	2.426	0	1.8	5.2	10
honest5	52	3.769	2.373	0	1.8	5	8
sl0h	52	0.904	0.298	0	1	1	1
sl1h	52	0.904	0.298	0	1	1	1
sl2h	52	0.885	0.323	0	1	1	1
sl3h	52	0.885	0.323	0	1	1	1
sl4h	52	0.885	0.323	0	1	1	1
sl5h	52	0.885	0.323	0	1	1	1
sh0h	52	0.038	0.194	0	0	0	1
sh1h	52	0.058	0.235	0	0	0	1
sh2h	52	0.058	0.235	0	0	0	1
sh3h	52	0.077	0.269	0	0	0	1
sh4h	52	0.038	0.194	0	0	0	1
sh5h	52	0.038	0.194	0	0	0	1

Table 9: Honest Sum Stats for Easy Condition

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
honest	54	0.981	0.136	0	1	1	1
neverhonest	54	0.019	0.136	0	0	0	1
honestALL	54	15.315	8.774	0	8	21	36
honestm	54	3.829	2.193	0	2	5.2	9
honest1	54	4.593	2.286	0	3	6	9
honest2	54	4.315	2.394	0	2	6	9
honest3	54	3.722	2.351	0	2	5	9
honest4	54	3.537	2.246	0	1.2	5	9
honest5	54	3.741	2.527	0	1	6	9
sl0h	54	0.981	0.136	0	1	1	1
sl1h	54	0.981	0.136	0	1	1	1
sl2h	54	0.981	0.136	0	1	1	1
sl3h	54	0.963	0.191	0	1	1	1
sl4h	54	0.963	0.191	0	1	1	1
sl5h	54	0.944	0.231	0	1	1	1
sh0h	54	0.074	0.264	0	0	0	1
sh1h	54	0.111	0.317	0	0	0	1
sh2h	54	0.111	0.317	0	0	0	1
sh3h	54	0.074	0.264	0	0	0	1
sh4h	54	0.037	0.191	0	0	0	1
sh5h	54	0.074	0.264	0	0	0	1

Table 10: Honest Sum Stats for Hard Condition

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
honest	45	0.822	0.387	0	1	1	1
neverhonest	45	0.178	0.387	0	0	0	1
honestALL	45	15.667	11.732	0	6	25	37
honestm	45	3.917	2.933	0.000	1.500	6.250	9.250
honest1	45	4.778	2.779	0	3	7	10
honest2	45	4.267	3.078	0	1	7	10
honest3	45	3.933	3.271	0	0	7	10
honest4	45	3.644	3.054	0	0	6	10
honest5	45	3.822	3.070	0	0	6	10
sl0h	45	0.889	0.318	0	1	1	1
sl1h	45	0.867	0.344	0	1	1	1
sl2h	45	0.756	0.435	0	1	1	1
sl3h	45	0.711	0.458	0	0	1	1
sl4h	45	0.711	0.458	0	0	1	1
sl5h	45	0.733	0.447	0	0	1	1
sh0h	45	0.133	0.344	0	0	0	1
sh1h	45	0.200	0.405	0	0	0	1
sh2h	45	0.156	0.367	0	0	0	1
sh3h	45	0.178	0.387	0	0	0	1
sh4h	45	0.156	0.367	0	0	0	1
sh5h	45	0.156	0.367	0	0	0	1

Table 11: Main Regressions for Honest DVs

	<i>Dependent variable:</i>		
	honest		honestALL
	<i>OLS</i>	<i>logistic</i>	<i>OLS</i>
	(1)	(2)	(3)
Easy	0.097* (0.057)	1.933* (1.099)	-0.108 (1.904)
Hard	-0.062 (0.060)	-0.505 (0.583)	0.244 (1.995)
Constant	0.885*** (0.041)	2.037*** (0.434)	15.423*** (1.359)
Observations	151	151	151
R ²	0.048		0.0002
Adjusted R ²	0.035		-0.013
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

Table 12: Main Regressions for Honest DVs

	<i>Dependent variable:</i>					
	honest0	honest1	honest2	honest3	honest4	honest5
	(1)	(2)	(3)	(4)	(5)	(6)
Easy	1.049** (0.442)	0.516 (0.482)	0.488 (0.506)	-0.297 (0.526)	-0.271 (0.499)	-0.028 (0.515)
Hard	0.749 (0.463)	0.701 (0.506)	0.440 (0.530)	-0.086 (0.551)	-0.163 (0.523)	0.053 (0.540)
Constant	3.673*** (0.315)	4.077*** (0.344)	3.827*** (0.361)	4.019*** (0.375)	3.808*** (0.356)	3.769*** (0.368)
Observations	151	151	151	151	151	151
R ²	0.038	0.014	0.007	0.002	0.002	0.0002
Adjusted R ²	0.025	0.001	-0.006	-0.011	-0.011	-0.013
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01					

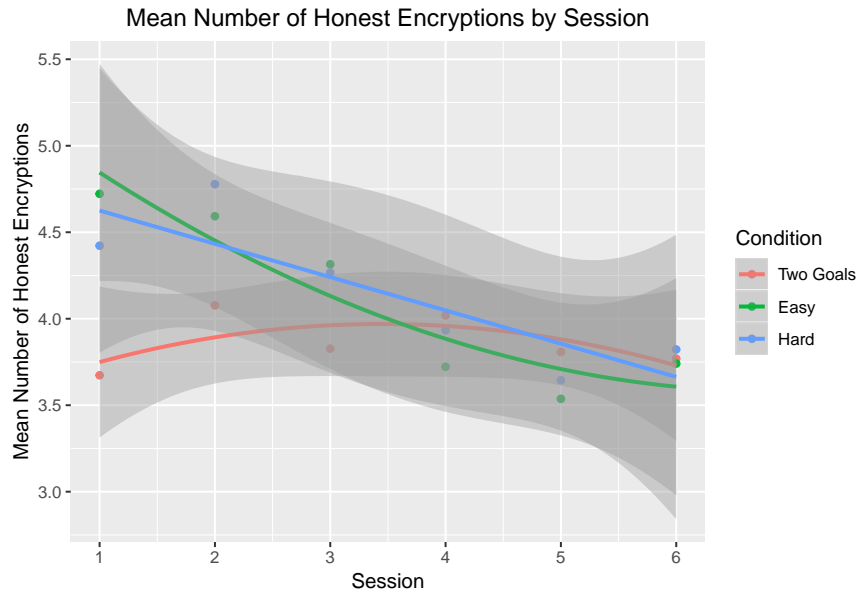
Table 13: Proportion Meeting High Target for Honest DVs

	<i>Dependent variable:</i>						
	shm	sh0h	sh1h	sh2h	sh3h	sh4h	sh5h
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Easy	-0.057 (0.061)	0.036 (0.053)	0.053 (0.063)	0.053 (0.060)	-0.003 (0.060)	-0.001 (0.050)	0.036 (0.054)
Hard	0.230*** (0.064)	0.095* (0.055)	0.142** (0.066)	0.098 (0.063)	0.101 (0.063)	0.117** (0.052)	0.117** (0.057)
Constant	0.138*** (0.044)	0.038 (0.038)	0.058 (0.045)	0.058 (0.043)	0.077* (0.043)	0.038 (0.036)	0.038 (0.039)
Observations	151	151	151	151	151	151	151
R ²	0.131	0.020	0.031	0.016	0.023	0.043	0.029
Adjusted R ²	0.119	0.007	0.018	0.003	0.010	0.030	0.016
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01						

Table 14: Proportion Meeting Low Target for Honest DVs

	<i>Dependent variable:</i>						
	slm	sl0h	sl1h	sl2h	sl3h	sl4h	sl5h
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Easy	-0.007 (0.018)	0.078 (0.050)	0.078 (0.052)	0.097 (0.061)	0.078 (0.065)	0.078 (0.065)	0.060 (0.066)
Hard	-0.044** (0.019)	-0.015 (0.053)	-0.037 (0.055)	-0.129** (0.064)	-0.174** (0.068)	-0.174** (0.068)	-0.151** (0.069)
Constant	1.000*** (0.013)	0.904*** (0.036)	0.904*** (0.037)	0.885*** (0.044)	0.885*** (0.046)	0.885*** (0.046)	0.885*** (0.047)
Observations	151	151	151	151	151	151	151
R ²	0.041	0.025	0.031	0.079	0.089	0.089	0.063
Adjusted R ²	0.028	0.012	0.018	0.067	0.076	0.076	0.050
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01						

Data Visualization



e Proportion Successfully Met Higher Goal with Honest Encryptions by Session

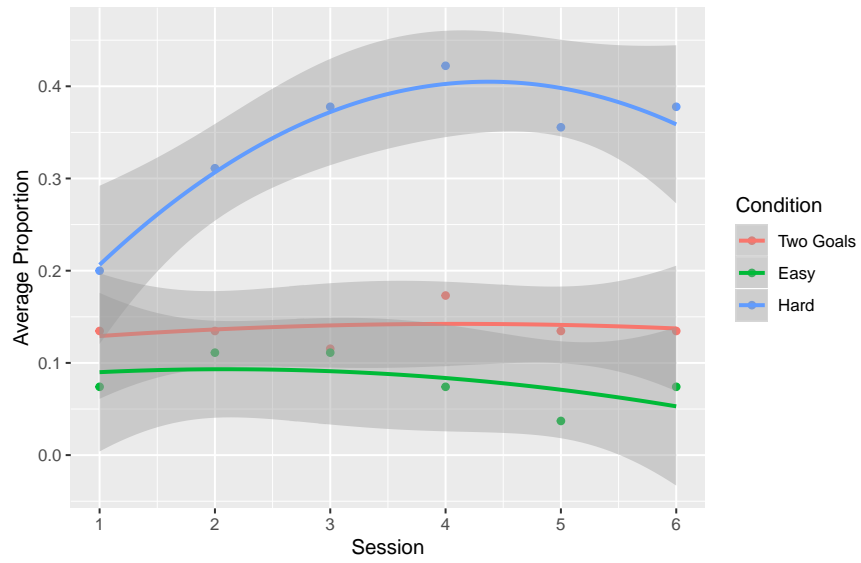


Figure 1: The Proportion Successfully Met Lower Goal with Honest Encryptions by Session

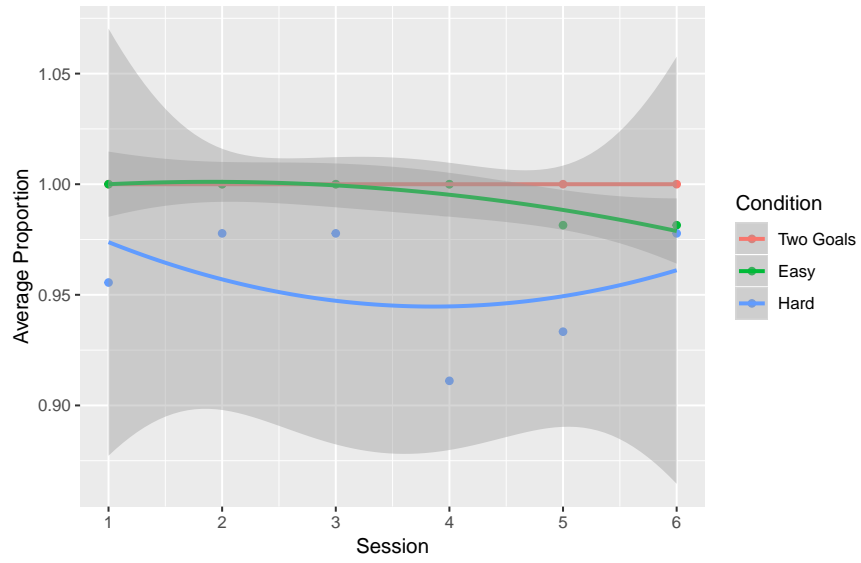
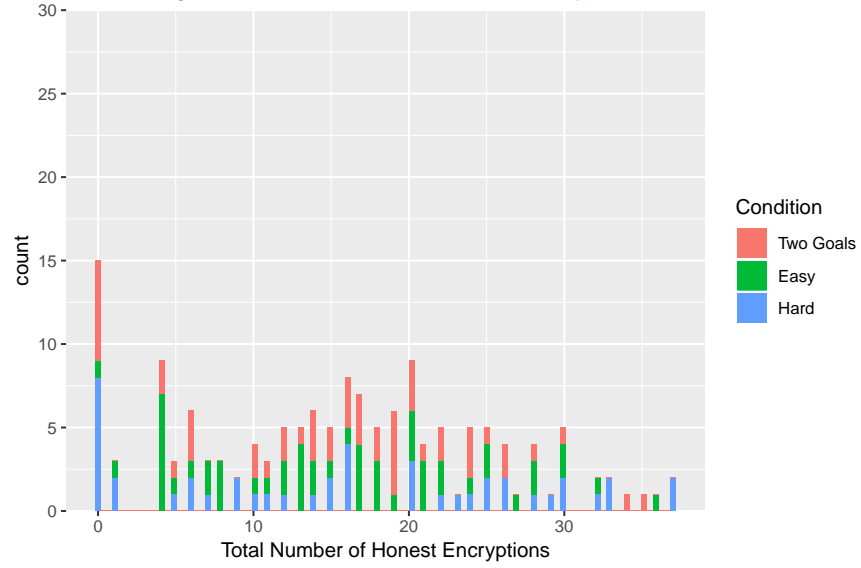
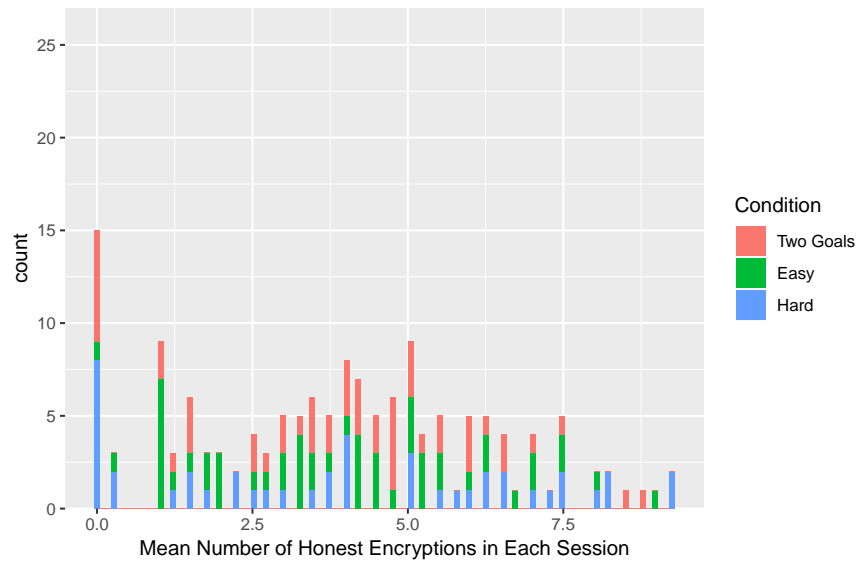


Figure 2: Histogram of Total Number of Honest Encryptions



Histogram of Mean Number of Honest Encryptions in Each Session



Within Subject Analysis

Table 15: Within-Subject Regression Results for Number of Honest Encryptions Across Sessions

	<i>Dependent variable:</i>		
	honest		
	(1)	(2)	(3)
Easy	-0.027 (0.428)	-0.027 (0.429)	0.658 (0.597)
Hard	0.061 (0.533)	0.061 (0.533)	0.618 (0.744)
Session		-0.130*** (0.044)	-0.038 (0.063)
Easy x Session			-0.152 (0.096)
Hard x Session			-0.124 (0.113)
Constant	3.856*** (0.309)	4.440*** (0.372)	4.029*** (0.433)
Clustered SE:	Y	Y	Y
Observations	604	604	604
R ²	0.0002	0.003	0.004
Adjusted R ²	-0.003	-0.002	-0.004
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

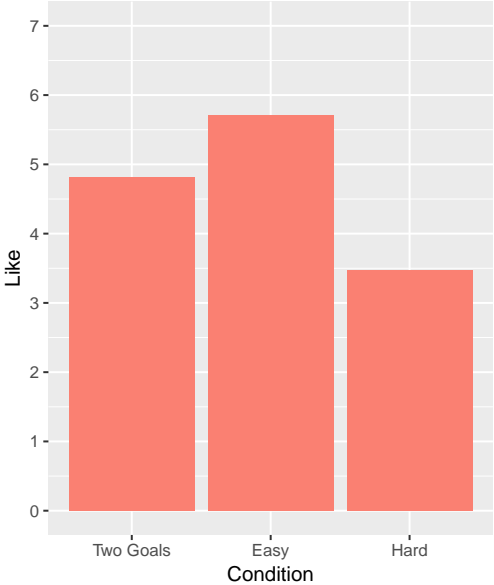
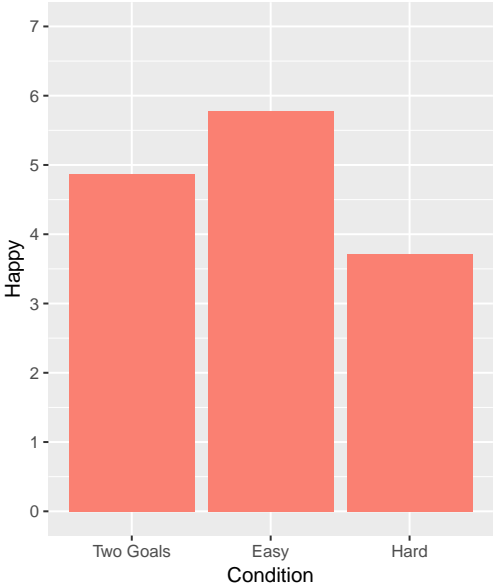
Table 16: Within-Subject Regression Results for Proportion of Higher Goals Met with Honest Encryptions Across Sessions

	<i>Dependent variable:</i>		
	sh		
	(1)	(2)	(3)
Easy	-0.065 (0.050)	-0.065 (0.050)	0.010 (0.103)
Hard	0.244*** (0.077)	0.244*** (0.077)	0.283** (0.137)
Session		-0.007 (0.009)	0.002 (0.014)
Easy x Session			-0.017 (0.018)
Hard x Session			-0.009 (0.024)
Constant	0.139*** (0.040)	0.169*** (0.057)	0.131* (0.076)
Clustered SE:	Y	Y	Y
Observations	604	604	604
R ²	0.110	0.110	0.111
Adjusted R ²	0.107	0.106	0.103
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

Table 17: Within-Subject Regression Results for Proportion of Higher Goals Met with Honest Encryptions Across Sessions

	<i>Dependent variable:</i>		
	sl		
	(1)	(2)	(3)
Easy	-0.009 (0.006)	-0.009 (0.006)	0.024 (0.021)
Hard	-0.050* (0.026)	-0.050* (0.026)	-0.060* (0.033)
Session		-0.002 (0.002)	0.000
Easy x Session			-0.007 (0.006)
Hard x Session			0.002 (0.004)
Constant	1.000*** (0.000)	1.009*** (0.011)	1.000
Clustered SE:	Y	Y	Y
Observations	604	604	604
R ²	0.025	0.025	0.026
Adjusted R ²	0.022	0.020	0.018
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

Follow Up Questions



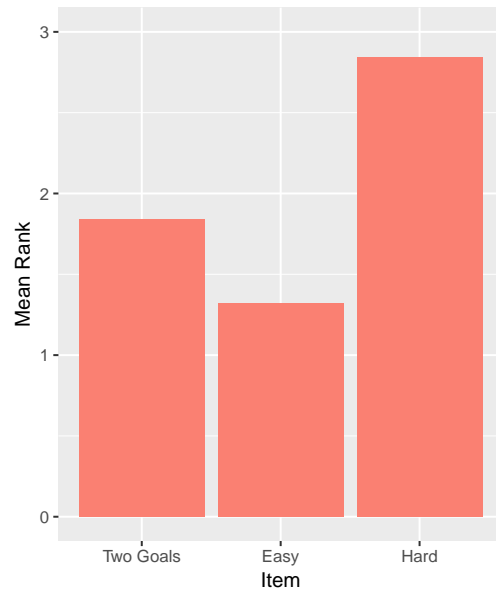
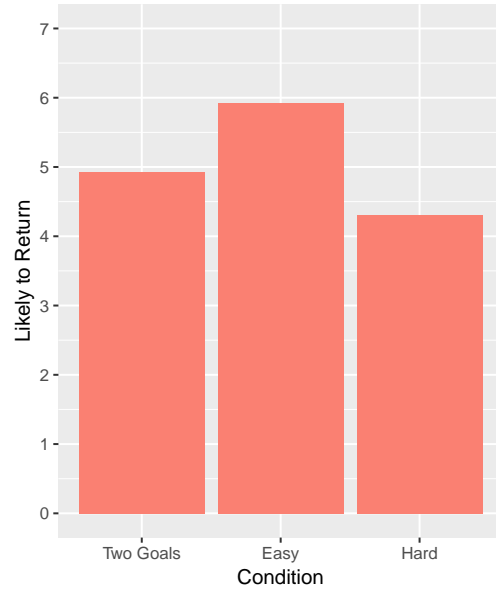


Table 18: Differences in Ratings Across Conditions

	<i>Dependent variable:</i>					
	Happy (1)	Like (2)	Likely to Return (3)	Two Goals Rank (4)	Easy Rank (5)	Hard Rank (6)
Easy	0.912** (0.361)	0.896** (0.368)	1.003** (0.392)	0.101 (0.093)	-0.104 (0.112)	0.003 (0.093)
Hard	-1.154*** (0.378)	-1.341*** (0.385)	-0.612 (0.411)	0.120 (0.097)	0.159 (0.117)	-0.279*** (0.097)
Constant	4.865*** (0.258)	4.808*** (0.263)	4.923*** (0.280)	1.769*** (0.066)	1.308*** (0.080)	2.923*** (0.066)
Observations	151	151	151	151	151	151
R ²	0.170	0.189	0.099	0.012	0.034	0.068
Adjusted R ²	0.159	0.178	0.087	-0.001	0.021	0.056

Note:

*p<0.1; **p<0.05; ***p<0.01

Table 19:

	<i>Dependent variable:</i>
	Mean Rank
Easy	-0.523*** (0.077)
Hard	1.000*** (0.063)
Constant	1.841*** (0.039)
Clustered SE:	Y
Observations	453
R ²	0.599
Adjusted R ²	0.597

Note:

*p<0.1; **p<0.05; ***p<0.01