

Women's Pool A	Women's Pool B	Men's Pool A	Men's Pool B
Jiangsu	Anhui	Shandong	Tianjin
Shandong	Shanghai	Beijing	People's Liberation Army
Tianjin	Beijing	Hebei	Anhui
	Fujian	Shanghai	Fujian

## 0.1 post-Tournament

### Data Structure

Table 1: Intra-Class Correlations for post-Tournament Factors according to sex

	variable	ICC.sex	LowerCI.sex	UpperCI.sex	k.adjusted.sex
1	subjectiveCompetence	0.039	-0.006	0.983	58.933
2	objectiveCompetence	0.092	0.006	0.992	58.933
3	jointActionSuccess	-0.017	-0.017	0.014	58.390
4	indPerformanceComponents	0.108	0.009	0.993	58.390
5	teamClick	-0.010	-0.016	0.881	58.390
6	socialBonding	0.079	0.003	0.991	58.390
7	fatigue	0.023	-0.009	0.976	58.390

Table 2: Intra-Class Correlations for post-Tournament Factors according to team

	variable	ICC.team	LowerCI.team	UpperCI.team	k.adjusted.team
1	subjectiveCompetence	0.011	-0.057	0.185	8.476
2	objectiveCompetence	0.356	0.175	0.625	8.476
3	jointActionSuccess	0.374	0.190	0.634	7.768
4	indPerformanceComponents	0.223	0.074	0.484	7.768
5	teamClick	0.299	0.130	0.564	7.768
6	socialBonding	0.098	-0.010	0.324	7.768
7	fatigue	0.056	-0.036	0.261	7.768

### 0.1.1 Descriptives

Table 3: Summary Statistics: post-Tournament Technical Competence (objective and subjective)

Variable	n	mean	sd	min	max	skew	krtss
yearsInTeam	120	3.17	2.12	0	7	0.29	-1.25
trainingAge	120	4.40	2.35	0	13	0.47	0.66
startingTeamAverage	172	0.61	0.36	0	1	-0.43	-1.32
age	121	21.67	3.26	16	32	0.52	-0.27
abilityVSTeammates	120	19.45	20.14	-40	50	-0.31	-0.56
abilityVSChinesePros	120	15.78	19.59	-35	50	-0.18	-0.65
abilityVSInternational	120	18.46	26.19	-44	50	-0.48	-0.77
teamAbilityInChina	120	22.48	22.90	-40	50	-0.64	-0.58

Table 4: Summary Statistics: post-Tournament Performance (individual and team)

Variable	n	mean	sd	min	max	skew	krtss
indPerformance	118	56.36	23.47	0	100	-0.35	-0.08
passingTechnique	118	58.41	24.25	0	100	-0.79	0.05
supportInAttack	118	62.62	22.70	0	100	-0.98	0.64
indDefense	118	57.64	23.57	0	100	-0.55	-0.11
effectivenessInContact	118	62.15	24.81	0	100	-0.97	0.40
decisionMakingInAttack	118	61.22	21.43	0	100	-0.72	0.37
teamPerformance	118	64.36	23.61	0	100	-0.52	-0.30
teamDefense	118	62.42	22.50	0	100	-0.52	-0.52
teamAttack	118	65.33	20.26	0	100	-0.53	-0.23
teamSupportPlay	118	65.75	19.72	0	100	-0.76	0.57
teamOnfieldCommunication	118	65.25	21.26	0	100	-0.65	0.27

Table 5: Summary Statistics: post-Tournament Team Click

Variable	n	mean	sd	min	max	skew	krtss
unspokenUnderstanding	118	72.72	19.95	0	100	-1.38	2.13
generalAtmosphere	118	78.45	21.34	0	100	-1.51	2.82
clickPictorial	118	3.93	1.04	1	5	-0.78	0.00
reliabilityOfOthers	118	68.00	23.09	0	100	-1.33	1.75
reliabilityForOthers	118	63.45	25.80	0	100	-1.06	0.51
abilityExtendedByOthers	118	72.25	19.27	0	100	-1.13	2.03

Table 6: Summary Statistics: post-Tournament Social Bonding

Variable	n	mean	sd	min	max	skew	krtss
emotionalSupport	118	79.67	18.84	0.00	100	-1.74	4.37
sharedGoal	118	86.00	15.56	29.00	100	-1.38	2.24
groupIdentification	118	4.29	0.67	1.50	5	-1.18	1.66
identityFusionVerbal	118	4.00	0.71	1.43	5	-0.86	0.99
identityFusionPictorialTeam	118	4.33	1.19	0.00	5	-2.45	6.07

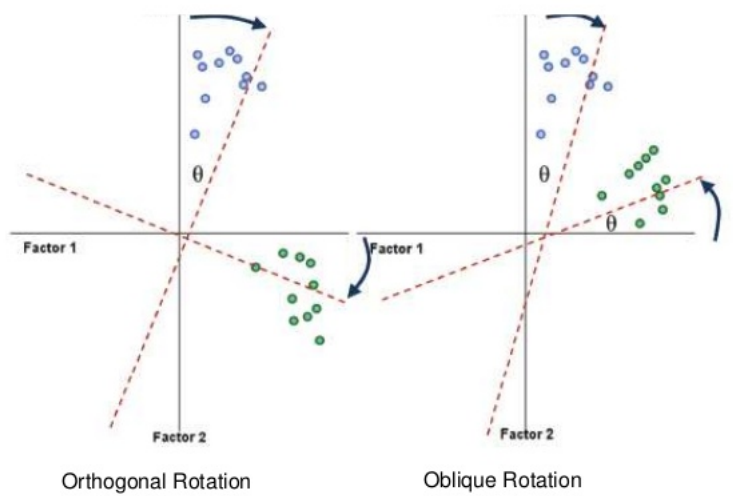
Table 7: Summary Statistics: post-Tournament measures of fatigue

Variable	n	mean	sd	min	max	skew	krtss
fatigue	118	69.27	21.24	0	100	-1.13	1.40
RPE(physical)	118	14.97	2.66	6	20	-0.80	0.49
RPE(mental)	118	6.08	2.47	-4	10	-1.13	1.82
injuryRev7	118	23.86	26.91	0	100	1.19	0.60

Table 8: Summary Statistics: Objective Tournament Performance

Variable	n	mean	sd	min	max	skew	krtss
finalRank	174	4.83	2.15	1	8	-0.09	-1.17
totalWins - totalLosses	172	0.32	2.94	-6	6	-0.17	-0.25
totalIndPoints	172	8.45	11.41	0	69	2.34	7.23
totalMinutesPlayed	172	44.01	20.65	1	81	-0.38	-0.89
startingTeamAvg	172	0.61	0.36	0	1	-0.43	-1.32

0.1.2 Correlations



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Table 9: Correlation Matrix: post-Tournament Technical Competence

	yearsInTeam	trainingAge	startingTeamAverage	age	abilityVSTeammates	abilityVSChinesePros	abilityVSInternational	teamAbilityInChina
yearsInTeam	1	0.509	0.108	0.569	0.081	0.099	0.107	0.256
trainingAge	0.509	1	0.120	0.699	0.110	0.190	0.206	0.186
startingTeamAverage	0.108	0.120	1	0.192	0.069	0.007	0.051	0.016
age	0.569	0.699	0.192	1	0.135	0.088	0.158	0.211
abilityVSTeammates	0.081	0.110	0.069	0.135	1	0.422	0.391	0.468
abilityVSChinesePros	0.099	0.190	0.007	0.088	0.422	1	0.718	0.274
abilityVSInternational	0.107	0.206	0.051	0.158	0.391	0.718	1	0.222
teamAbilityInChina	0.256	0.186	0.016	0.211	0.468	0.274	0.222	1

Table 10: Correlation Matrix: Individual Performance

	passingTech	supportInAttack	indDefense	effectivenessInContact	decisionMakingInAttack
passingTech	1	0.658	0.510	0.508	0.607
supportInAttack	0.658	1	0.658	0.641	0.734
indDefense	0.510	0.658	1	0.590	0.525
effectivenessInContact	0.508	0.641	0.590	1	0.713
decisionMakingInAttack	0.607	0.734	0.525	0.713	1

Table 11: Correlation Matrix: post-Tournament Team Performance

	teamDefense	teamAttack	teamSupportPlay	teamOnfieldCommunication
teamDefense	1	0.834	0.643	0.721
teamAttack	0.834	1	0.740	0.713
teamSupportPlay	0.643	0.740	1	0.715
teamOnfieldCommunication	0.721	0.713	0.715	1

Table 12: Correlation Matrix: post-Tournament Team Click

	unspokenUnderstanding	generalAtmosphere	clickPictorial	reliabilityOfOthers	reliabilityForOthers	abilityExtendedByOthers
unspokenUnderstanding	1	0.626	0.508	0.275	0.230	0.375
generalAtmosphere	0.626	1	0.385	0.301	0.276	0.265
clickPictorial	0.508	0.385	1	0.282	0.021	0.213
reliabilityOfOthers	0.275	0.301	0.282	1	0.276	0.544
reliabilityForOthers	0.230	0.276	0.021	0.276	1	0.375
abilityExtendedByOthers	0.375	0.265	0.213	0.544	0.375	1

Table 13: Correlation Matrix: post-Tournament Social Bonding

	emotionalSupport	sharedGoal	groupIdentification	identityFusionVerbal	identityFusionPictorialTeam
emotionalSupport	1	0.619	0.079	0.331	0.349
sharedGoal	0.619	1	0.061	0.246	0.395
groupIdentification	0.079	0.061	1	0.358	0.081
identityFusionVerbal	0.331	0.246	0.358	1	0.220
identityFusionPictorialTeam	0.349	0.395	0.081	0.220	1

Table 14: Correlation Matrix: post-Tournament Fatigue

	fatigue	RPE(physical)	RPE(mental)	injuryRev7
fatigue	1	0.665	0.510	0.090
RPE(physical)	0.665	1	0.523	0.009
RPE(mental)	0.510	0.523	1	-0.040
injuryRev7	0.090	0.009	-0.040	1

Table 15: Tournament Performance Correlation Matrix

	finalRank	totalWins - totalLosses	totalIndPoints	totalMinutesPlayed	startingTeamAvg
finalRank	1	0.901	0.381	0.062	0.055
totalWins - totalLosses	0.901	1	0.428	0.129	0.089
totalIndPoints	0.381	0.428	1	0.404	0.067
totalMinutesPlayed	0.062	0.129	0.404	1	-0.038
startingTeamAvg	0.055	0.089	0.067	-0.038	1

Table 16: Summary Statistics: post-Tournament Factors

Variable	n	mean	sd	min	max	skew	krtss
objCompetence	120	0.00	0.95	-1.99	2.91	0.45	-0.23
subjCompetence	120	0.00	0.96	-2.58	1.79	-0.16	-0.66
indPerformExp	118	56.36	23.47	0.00	100.00	-0.35	-0.08
indPerformComp	118	0.00	0.95	-2.96	1.70	-0.85	0.60
teamPerformanceExpect	118	64.36	23.61	0.00	100.00	-0.52	-0.30
jointActionSuccess	118	0.00	0.96	-3.28	1.79	-0.49	-0.01
teamClick	118	0.00	0.90	-3.06	1.42	-1.01	1.03
socialBonding	118	0.00	0.89	-3.08	1.08	-1.38	2.00
fatigue	118	0.00	0.91	-3.40	1.67	-1.03	1.56

Table 17: Summary Statistics: post-Tournament Factors

Variable	n	mean	sd	min	max	skew	krtss
objectiveCompetence	120	0.00	0.95	-1.99	2.91	0.45	-0.23
subjectiveCompetence	120	0.00	0.96	-2.58	1.79	-0.16	-0.66
indPerformanceExpect	118	56.36	23.47	0.00	100.00	-0.35	-0.08
indPerformanceComponents	118	0.00	0.95	-2.96	1.70	-0.85	0.60
teamPerformanceExpect	118	64.36	23.61	0.00	100.00	-0.52	-0.30
jointActionSuccess	118	0.00	0.96	-3.28	1.79	-0.49	-0.01
teamClick	118	0.00	0.90	-3.06	1.42	-1.01	1.03
socialBonding	118	0.00	0.89	-3.08	1.08	-1.38	2.00
fatigue	118	0.00	0.91	-3.40	1.67	-1.03	1.56

Table 18: post-Tournament Factors Correlation Matrix

	objCompetence	subjCompetence	indPerformExp	indPerformComp	teamPerformanceExpect	jointActionSuccess	teamClick	socialBonding	fatigue
objCompetence	1	-0.146	0.065	0.319	-0.128	-0.150	0.011	0.017	0.084
subjCompetence	-0.146	1	-0.086	0.125	-0.067	0.044	0.145	0.195	-0.045
indPerformExp	0.065	-0.086	1	0.411	0.454	0.285	0.226	0.180	0.221
indPerformComp	0.319	0.125	0.411	1	0.411	0.490	0.414	0.273	0.245
teamPerformanceExpect	-0.128	-0.067	0.454	0.411	1	0.709	0.570	0.314	0.204
jointActionSuccess	-0.150	0.044	0.285	0.490	0.709	1	0.686	0.404	0.202
teamClick	0.011	0.145	0.226	0.414	0.570	0.686	1	0.674	0.271
socialBonding	0.017	0.195	0.180	0.273	0.314	0.404	0.674	1	0.199
fatigue	0.084	-0.045	0.221	0.245	0.204	0.202	0.271	0.199	1

### 0.1.3 pre-Post Tournament Descriptives

Table 19: Individual Performance change pre-post Tournament

	Variable	Mean.pre	SD.pre	Mean.post	SD.post	MeanDiffernece	MeanPairedDifference	t-test	p-value
1	passingTechnique	65.74	24.94	58.41	24.25	-7.33	-7.48	-2.61	0.01
2	supportPlay	69.54	23.23	62.62	22.70	-6.92	-7.32	-2.99	0.003
3	individualDefense	59.22	26.64	57.64	23.57	-1.57	-3.42	-1.22	0.23
4	effectivenessContact	65.66	24.85	62.15	24.81	-3.51	-4.51	-1.56	0.12
5	decisionMakingAttack	65.48	23.80	61.22	21.43	-4.26	-5.19	-2.27	0.03

Table 20: Team Performance change pre-post Tournament

	Variable	Mean.pre	SD.pre	Mean.post	SD.post	MeanDiffernece	MeanPairedDifference	t-test	p-value
1	teamDefense	65.06	22.85	62.42	22.50	-2.63	-4.92	-1.57	0.12
2	teamAttack	66.01	24.95	65.33	20.26	-0.68	-1.59	-0.55	0.58
3	teamSupportPlay	64.36	23.53	65.75	19.72	1.40	0.90	0.35	0.73
4	teamCommunication	62.37	24.21	65.25	21.26	2.89	-0.07	-0.03	0.98

Table 21: click change pre-post Tournament

	Variable	Mean.pre	SD.pre	Mean.post	SD.post	MeanDiffernece	MeanPairedDifference	t-test	p-value
1	unspokenUnderstanding	71.58	20.77	72.72	19.95	1.14	1.33	0.58	0.56
2	generalAtmosphere	75.51	23.27	78.45	21.34	2.94	1.05	0.47	0.64
3	clickPictorial	3.87	1.24	3.93	1.04	0.07	0.03	0.21	0.84
4	reliabilityOfOthers	67.43	28.01	68	23.09	0.57	1.21	0.40	0.69
5	reliabilityForOthers	62.38	25.40	63.45	25.80	1.07	1.06	0.38	0.70
6	abilityExtended	70.45	25.83	72.25	19.27	1.80	1.43	0.53	0.60



Table 22: bonding change pre-post Tournament

	Variable	Mean.pre	SD.pre	Mean.post	SD.post	MeanDiffernece	MeanPairedDifference	t-test	p-value
1	emotionalSupport	70.12	26.21	79.67	18.84	9.55	9.30	3.59	0.001
2	sharedGoal	77.66	24.28	86	15.56	8.34	7.12	3.48	0.001
3	groupId	4.34	0.78	4.29	0.67	-0.04	0.06	0.78	0.44
4	fusionVerbal	4.03	0.74	4.00	0.71	-0.03	0	0	1
5	fusionPictorialTeam	4.26	1.25	4.33	1.19	0.07	0.04	0.30	0.77
6	fusionPictorialCountry	4.01	1.58	4.03	1.39	0.02	-0.04	-0.22	0.83
7	fusionPictorialFamily	4.10	1.50	4.51	0.96	0.41	0.33	2.18	0.03
8	rankTeam	1.49	0.79	1.61	0.81	0.12	0.09	1.15	0.25
9	rankCountry	1.92	1.06	1.93	1.03		-0.04	-0.44	0.66
10	rankFamily	1.41	0.88	1.42	0.86	0.01	0	0	1

Table 23: Fatigue change pre-post Tournament

	Variable	Mean.pre	SD.pre	Mean.post	SD.post	MeanDiffernece	MeanPairedDifference	t-test	p-value
1	fatigue	50.14	28.80	69.27	21.24	19.13	21.61	6.49	0
2	prpe	12.45	4.52	14.97	2.66	2.52	2.84	5.93	0.0000
3	mental	4.09	2.83	6.08	2.47	1.99	2.30	6.85	0
4	injury	81.28	23.36	76.14	26.91	-5.13	-5.02	-1.78	0.08

Table 24: factors change pre-post Tournament

	Variable	Mean.pre	SD.pre	Mean.post	SD.post	MeanDiffernece	MeanPairedDifference	t-test	p-value
1	teamPerformanceFactorPrePost	-0.01	1.04	0.01	0.88	0.01	-0.06	-0.48	0.63
2	indPerformanceFactorPrePost	0.12	0.95	-0.13	0.93	-0.25	-0.28	-2.99	0.004
3	clickFactorPrePost	-0.04	0.98	0.04	0.85	0.09	0.06	0.69	0.84
4	bondingFactorPrePost	-0.18	1.03	0.19	0.71	0.37	0.34	3.74	0.0003
5	fatigueFactorPrePost	-0.29	1.01	0.40	0.65	0.68	0.77	7.03	0

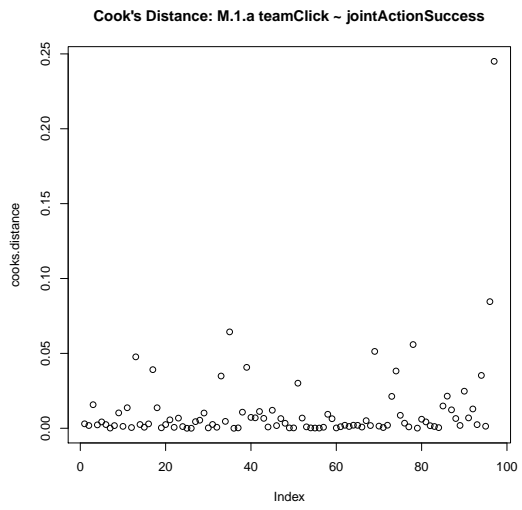
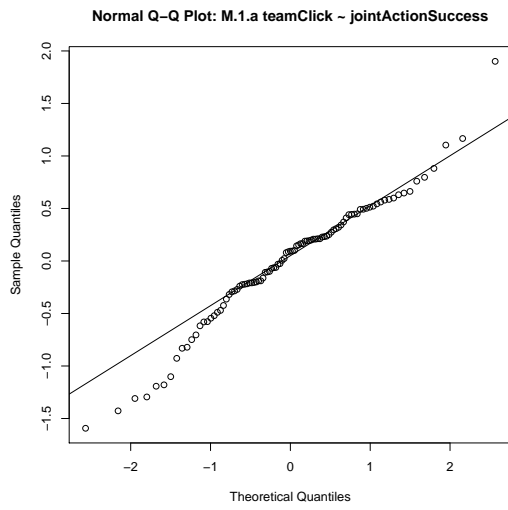
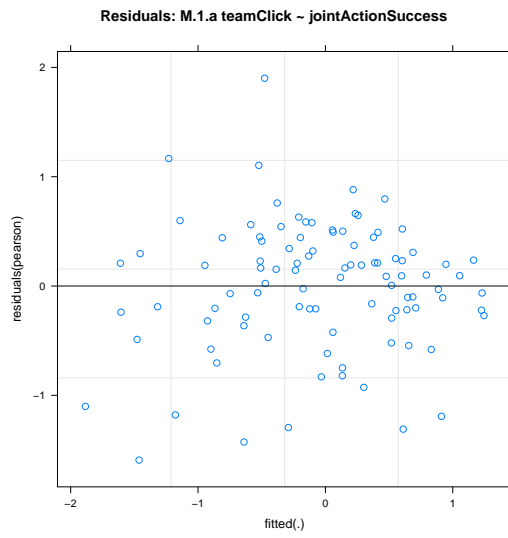
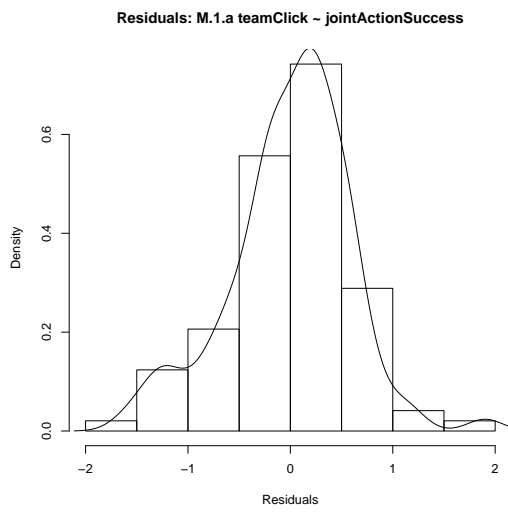
### 0.1.4 post-Tournament Models

M1a teamClick ~ jointActionSuccess

Table 25: M1.a teamClick = jointActionSuccess

	<i>Dependent variable:</i>		
	teamClick		
	(1)	(2)	(3)
(constant)	−0.04 (0.15)	0.02 (0.07)	−0.45 (0.24)
jointActionSuccess		0.65*** (0.10)	0.67*** (0.11)
indPerformanceSuccess			−0.03 (0.09)
objectiveCompetence			0.05 (0.08)
subjectiveCompetence			0.11 (0.07)
finalRank			0.02 (0.04)
minutesTotal			0.01 (0.003)
pointsTotal			0.005 (0.01)
Marginal R-squared			.53
Conditional R-squared			.60
Observations	118	118	174
Log Likelihood	−146.53	−112.76	−92.74
Akaike Inf. Crit.	299.06	237.51	209.48
Bayesian Inf. Crit.	307.37	254.14	240.37

*Note:* \*p<0.05; \*\*p<0.01; \*\*\*p<0.001

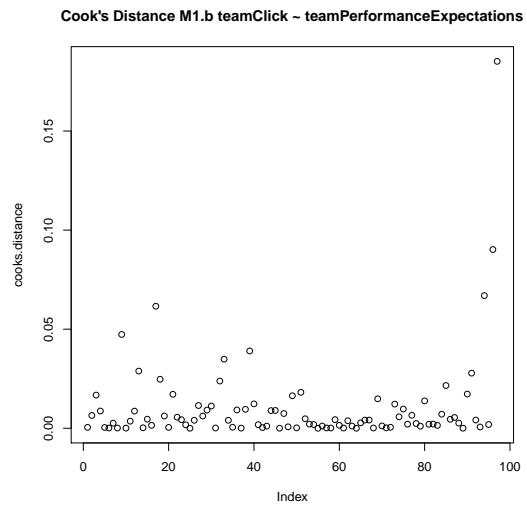
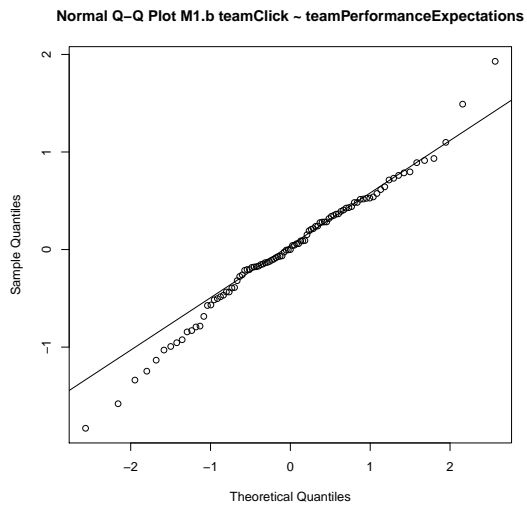
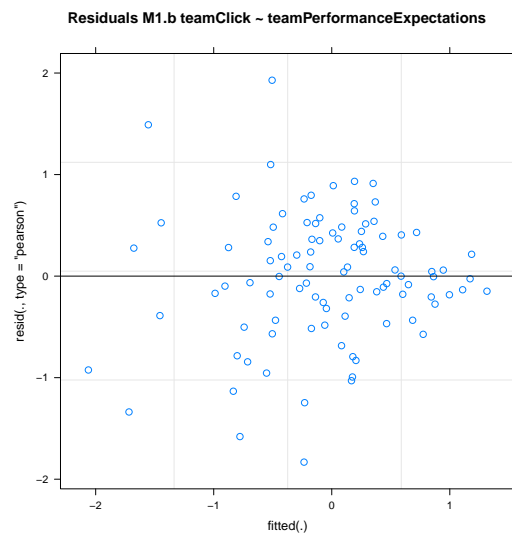
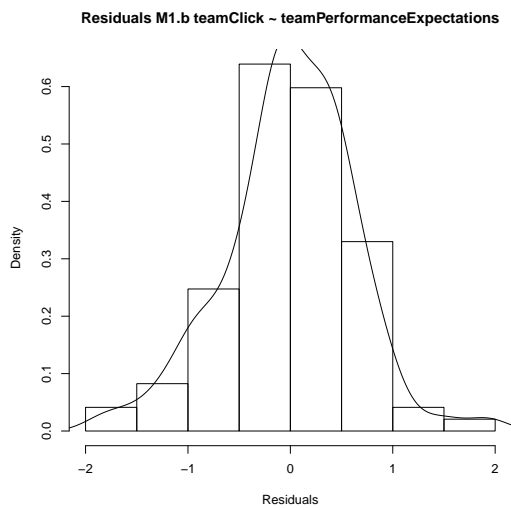


# M1b teamClick ~ teamPerformanceExpectations

Table 26: M1.b teamClick = teamPerformanceExpectations

	<i>Dependent variable:</i>		
	teamClick		
	(1)	(2)	(3)
(constant)	−0.04 (0.15)	−1.36*** (0.36)	−2.12*** (0.44)
teamPerformanceExpectations		0.02*** (0.005)	0.02*** (0.01)
individualPerformanceExpectations			0.002 (0.003)
objectiveCompetence			0.01 (0.09)
subjectiveCompetence			0.12 (0.07)
finalRank			0.08 (0.05)
minutesTotal			0.004 (0.004)
pointsTotal			0.001 (0.01)
Marginal R-squared			.40
Conditional R-squared			.56
Observations	118	118	97
Log Likelihood	−146.53	−128.22	−102.82
Akaike Inf. Crit.	299.06	268.43	229.63
Bayesian Inf. Crit.	307.37	285.06	260.53

*Note:* \*p<0.05; \*\*p<0.01; \*\*\*p<0.001



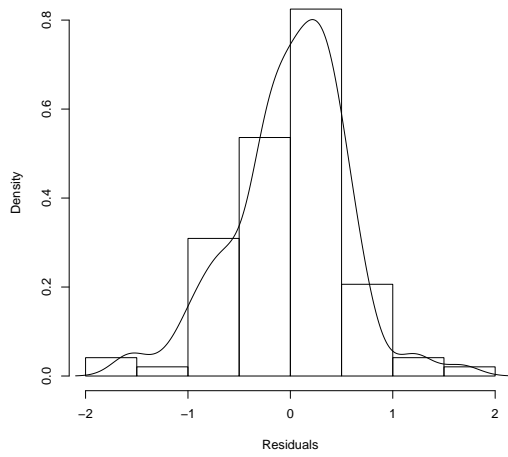
**M1c**  $\text{teamClick} \sim \text{jointActionSuccess} \times \text{teamPerformanceExpectations}$

Table 27: teamClick = jointActionSuccess X teamPerformanceExpectations

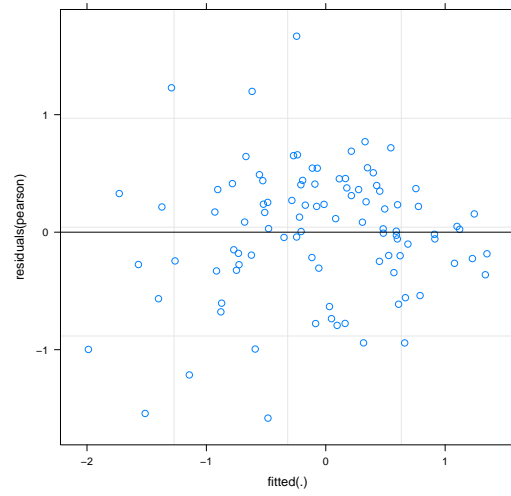
	<i>Dependent variable:</i>
	teamClick
(constant)	−0.83* (0.41)
jointActionSuccess	0.57* (0.25)
teamPerformanceExpectations	0.01 (0.005)
indPerformanceSuccess	0.01 (0.10)
indPerformanceExpectations	−0.001 (0.003)
objectiveCompetence	0.06 (0.08)
subjectiveCompetence	0.10 (0.07)
finalRank	0.03 (0.04)
minutesTotal	0.01 (0.003)
pointsTotal	0.004 (0.01)
teamPerformanceComponentsFactorPost:teamPerformance7	0.0001 (0.003)
Marginal R-squared	.56
Conditional R-squared	.65
Observations	97
Log Likelihood	−90.96
Akaike Inf. Crit.	217.91
Bayesian Inf. Crit.	264.26
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001



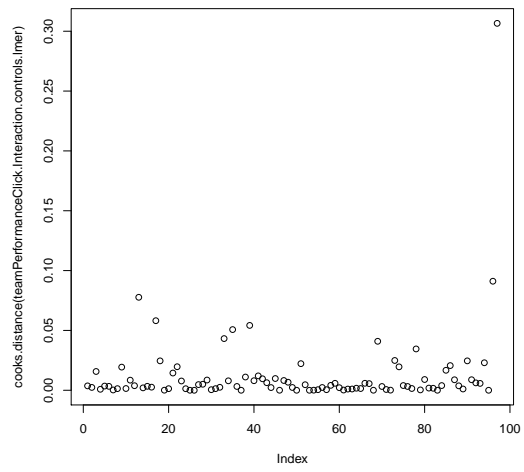
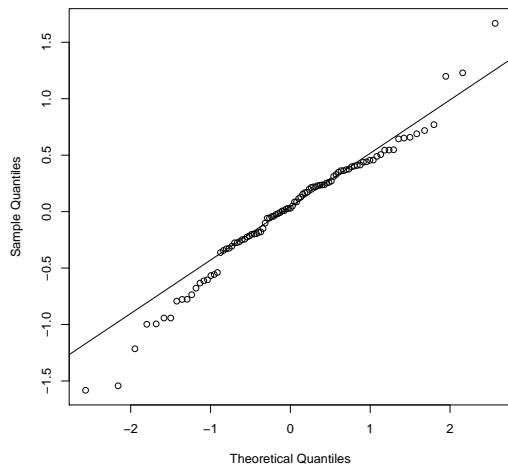
Residuals: M1.c teamClick ~ jointActionSuccess\*teamPerformanceExpectat



Residuals: M1.c teamClick ~ jointActionSuccess\*teamPerformanceExpectat



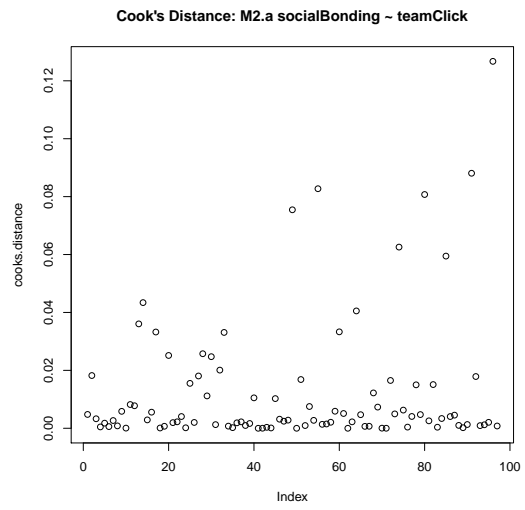
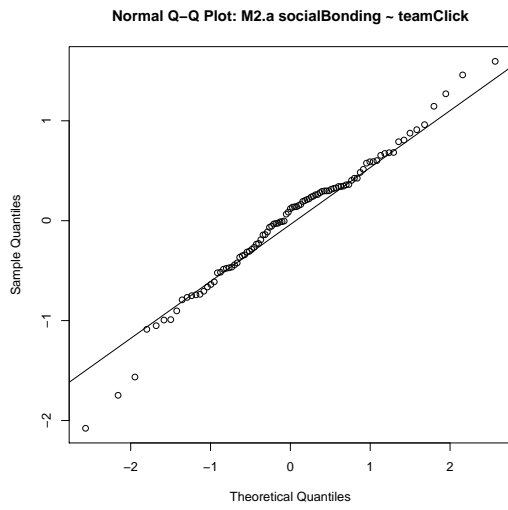
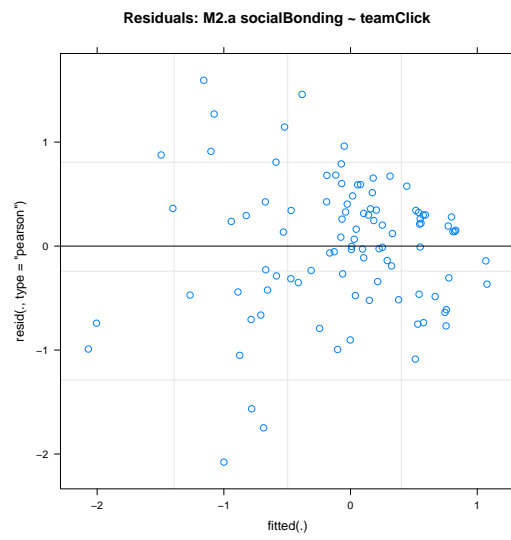
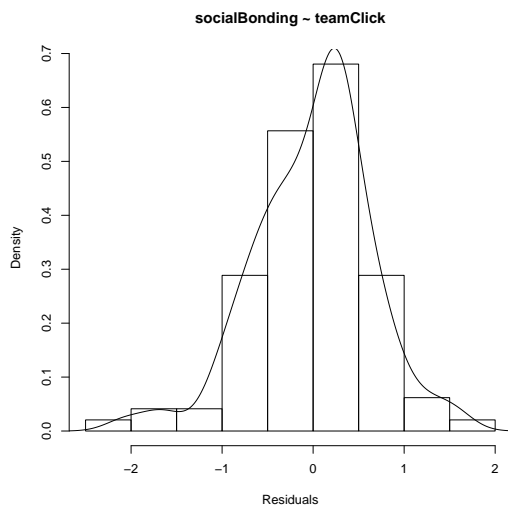
Normal Q-Q Plot: M1.c teamClick ~ jointActionSuccess\*teamPerformanceExpectat



## M2a socialBonding $\sim$ teamClick

Table 28: socialBonding = teamClick

	<i>Dependent variable:</i>		
	socialBonding		
	(1)	(2)	(3)
(constant)	−0.01 (0.10)	−0.0002 (0.07)	0.21 (0.27)
teamClick		0.64*** (0.08)	0.67*** (0.08)
objectiveCompetence			0.04 (0.08)
subjectiveCompetence			0.12 (0.07)
finalRank			−0.01 (0.04)
minutesTotal			−0.003 (0.004)
pointsTotal			−0.002 (0.01)
Marginal R-squared			.49
Conditional R-squared			.51
Observations	118	118	97
Log Likelihood	−151.95	−118.76	−97.75
Akaike Inf. Crit.	309.90	249.53	217.50
Bayesian Inf. Crit.	318.21	266.15	245.82
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		



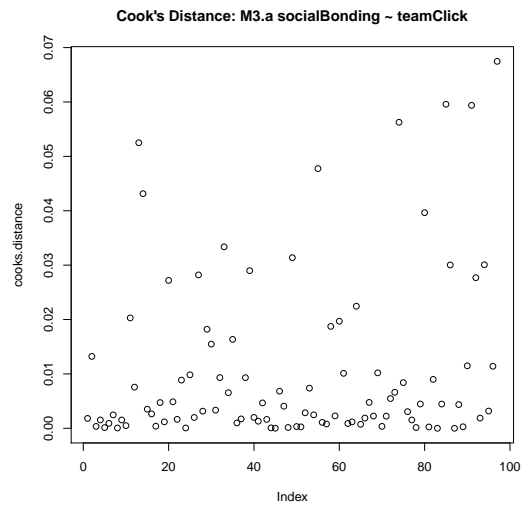
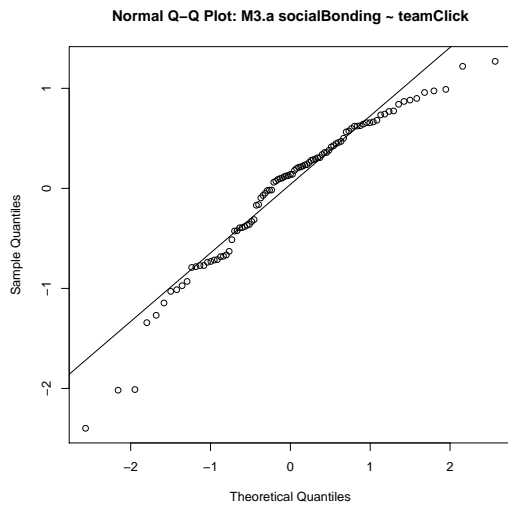
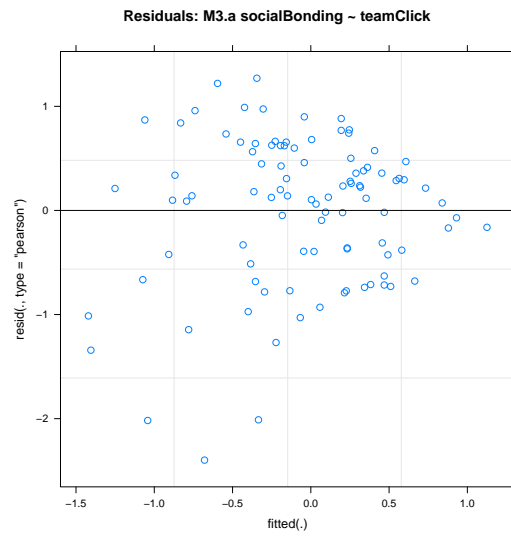
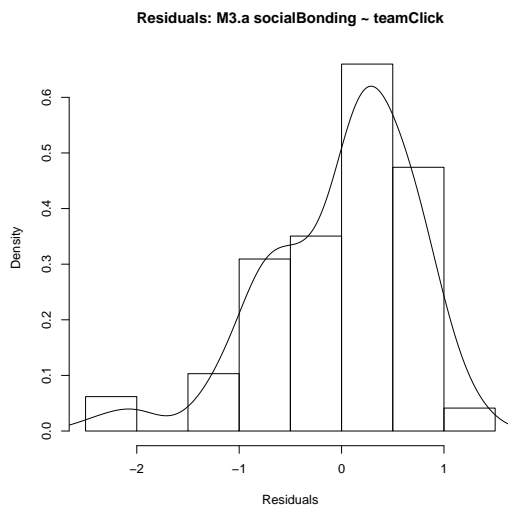
### M3a socialBonding $\sim$ jointActionSuccess

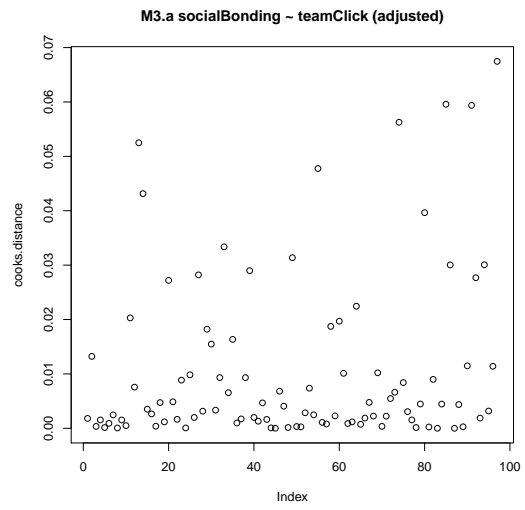
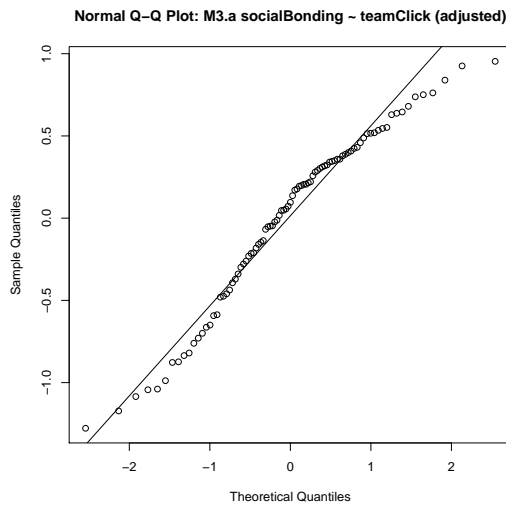
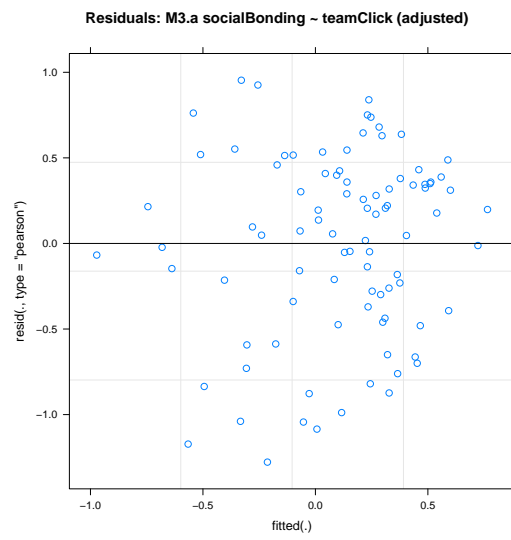
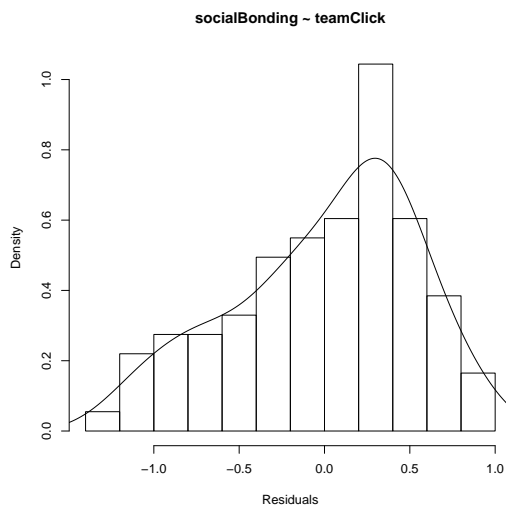
Table 29: socialBonding = jointActionSuccess

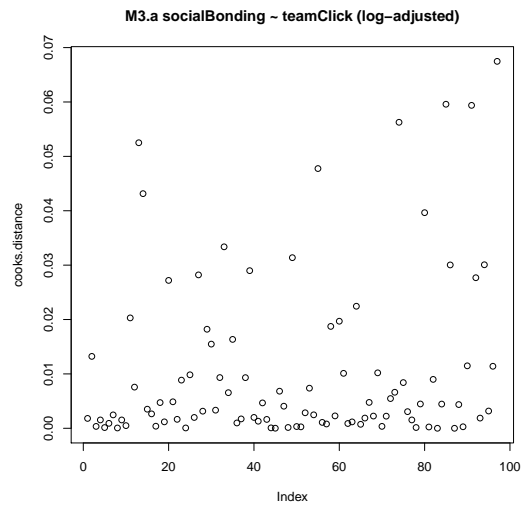
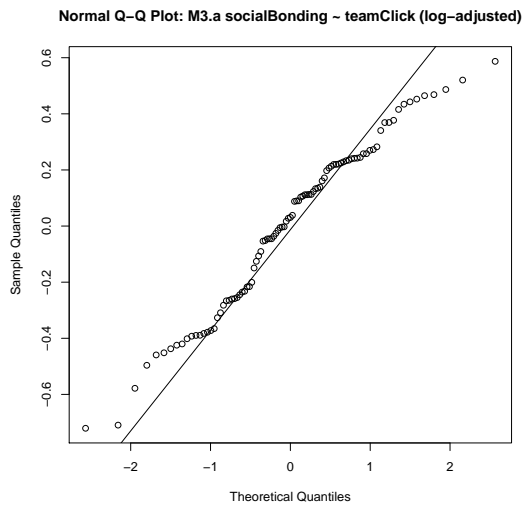
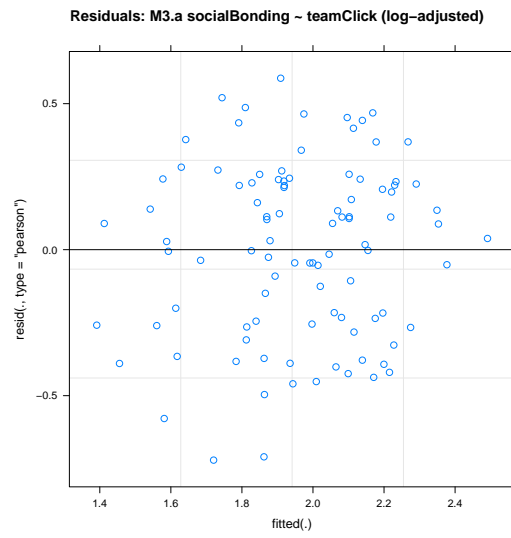
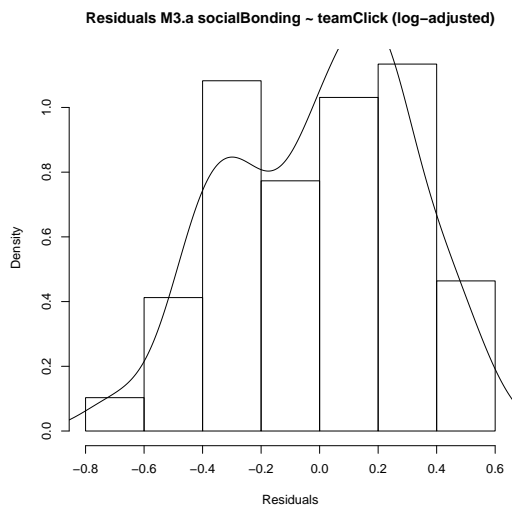
	<i>Dependent variable:</i>		
	socialBonding	bondingPostFactorOut outliers removed	bondingPostFactorLogReturned log-transformed
	(1)	(2)	(3)
(constant)	−0.06 (0.31)	−0.06 (0.31)	1.97*** (0.13)
jointActionSuccess	0.45** (0.14)	0.45** (0.14)	0.20*** (0.06)
indPerformanceSuccess	0.05 (0.11)	0.05 (0.11)	−0.001 (0.05)
objectiveCompetence	0.07 (0.10)	0.07 (0.10)	0.04 (0.04)
subjectiveCompetence	0.19* (0.08)	0.19* (0.08)	0.09* (0.03)
finalRank	−0.02 (0.05)	−0.02 (0.05)	−0.01 (0.02)
minutesTotal	0.002 (0.004)	0.002 (0.004)	0.001 (0.002)
pointsTotal	−0.001 (0.01)	−0.001 (0.01)	−0.002 (0.003)
Marginal R-squared	.27	.18	.28
Conditional R-squared	.42	.34	.43
Observations	97	97	97
Log Likelihood	−113.05	−113.05	−29.49
Akaike Inf. Crit.	250.10	250.10	82.98
Bayesian Inf. Crit.	281.00	281.00	113.87

*Note:*

\*p<0.05; \*\*p<0.01; \*\*\*p<0.001







### M3b socialBonding ~ teamPerformanceExpectations

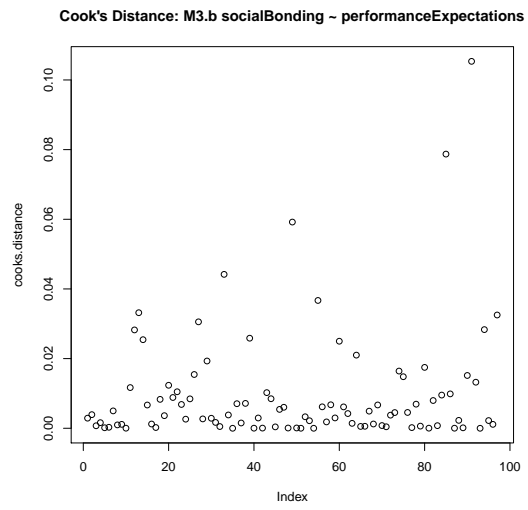
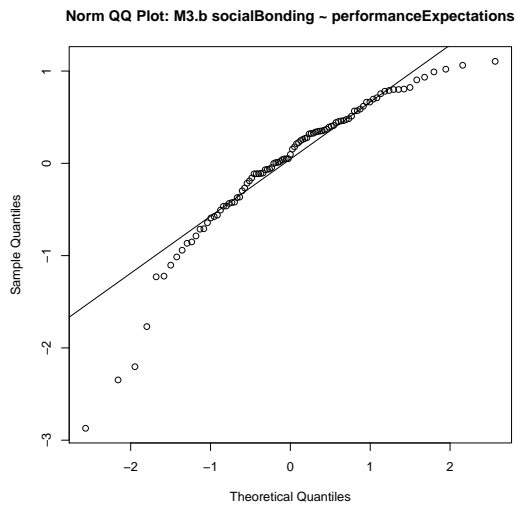
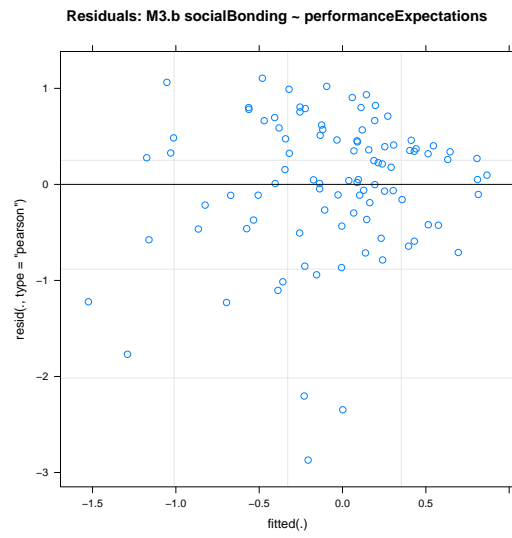
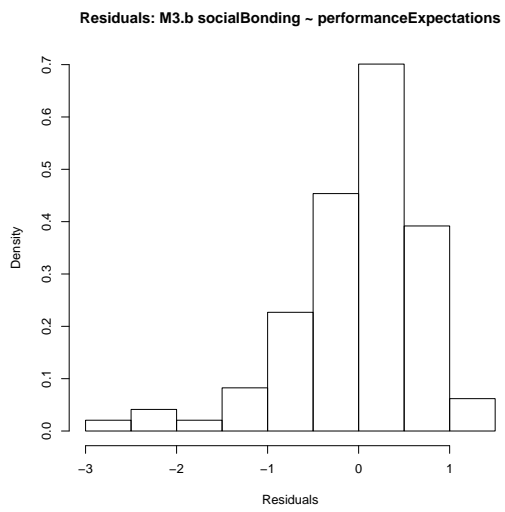
Table 30: M3.b socialBonding = teamPerformanceExpectations

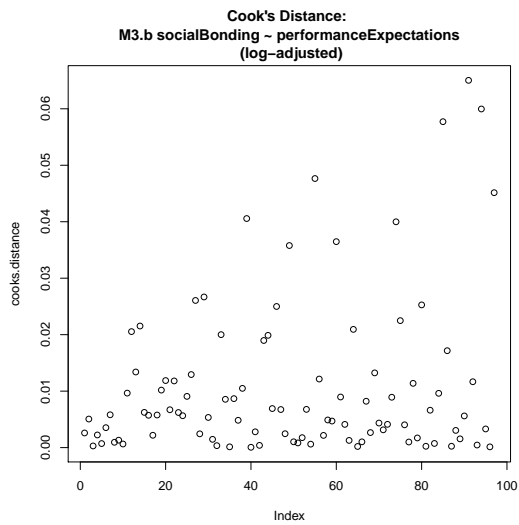
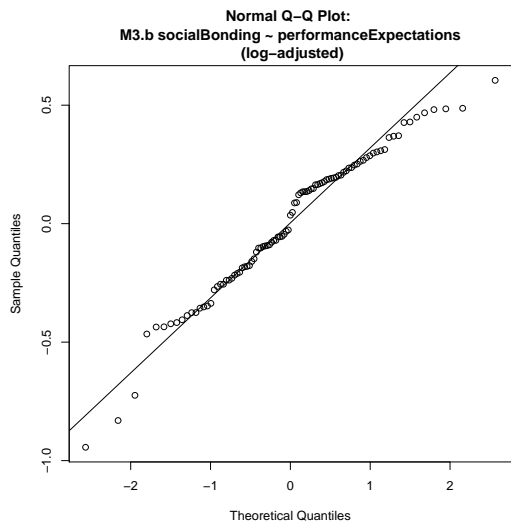
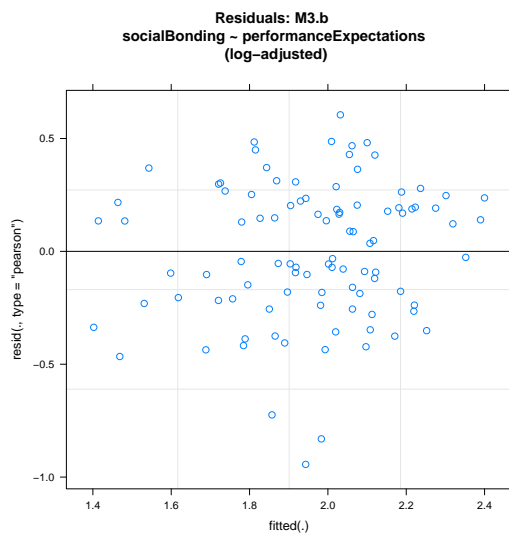
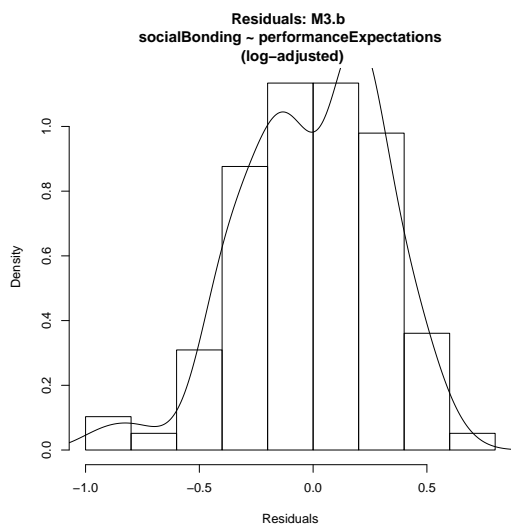
	<i>Dependent variable:</i>		
	socialBonding	bondingPostFactorOut outliers removed	bondingPostFactorLogReturned log-transformed
	(1)	(2)	(3)
(constant)	−1.67* (0.73)	−1.18* (0.53)	1.19*** (0.31)
teamPerformanceExpectations	0.01* (0.01)	0.01** (0.004)	0.01** (0.003)
individualPerformanceExpectations	0.004 (0.004)	0.001 (0.003)	0.001 (0.002)
objectiveCompetence	0.03 (0.10)	0.02 (0.07)	0.02 (0.04)
subjectiveCompetence	0.19* (0.09)	0.12 (0.06)	0.08* (0.04)
finalRank	0.08 (0.13)	0.10 (0.09)	0.04 (0.05)
minutesTotal	0.0003 (0.004)	0.001 (0.003)	0.0001 (0.002)
pointsTotal	−0.04 (0.09)	−0.06 (0.06)	−0.03 (0.04)
pointsTotal	−0.001 (0.01)	−0.004 (0.005)	−0.002 (0.003)
Marginal R-squared	.20	.19	.23
Conditional R-squared	.40	.40	.44
Observations	97	91	97
Log Likelihood	−117.26	−77.84	−32.42
Akaike Inf. Crit.	260.52	181.67	90.85
Bayesian Inf. Crit.	293.99	214.31	124.32

Note:

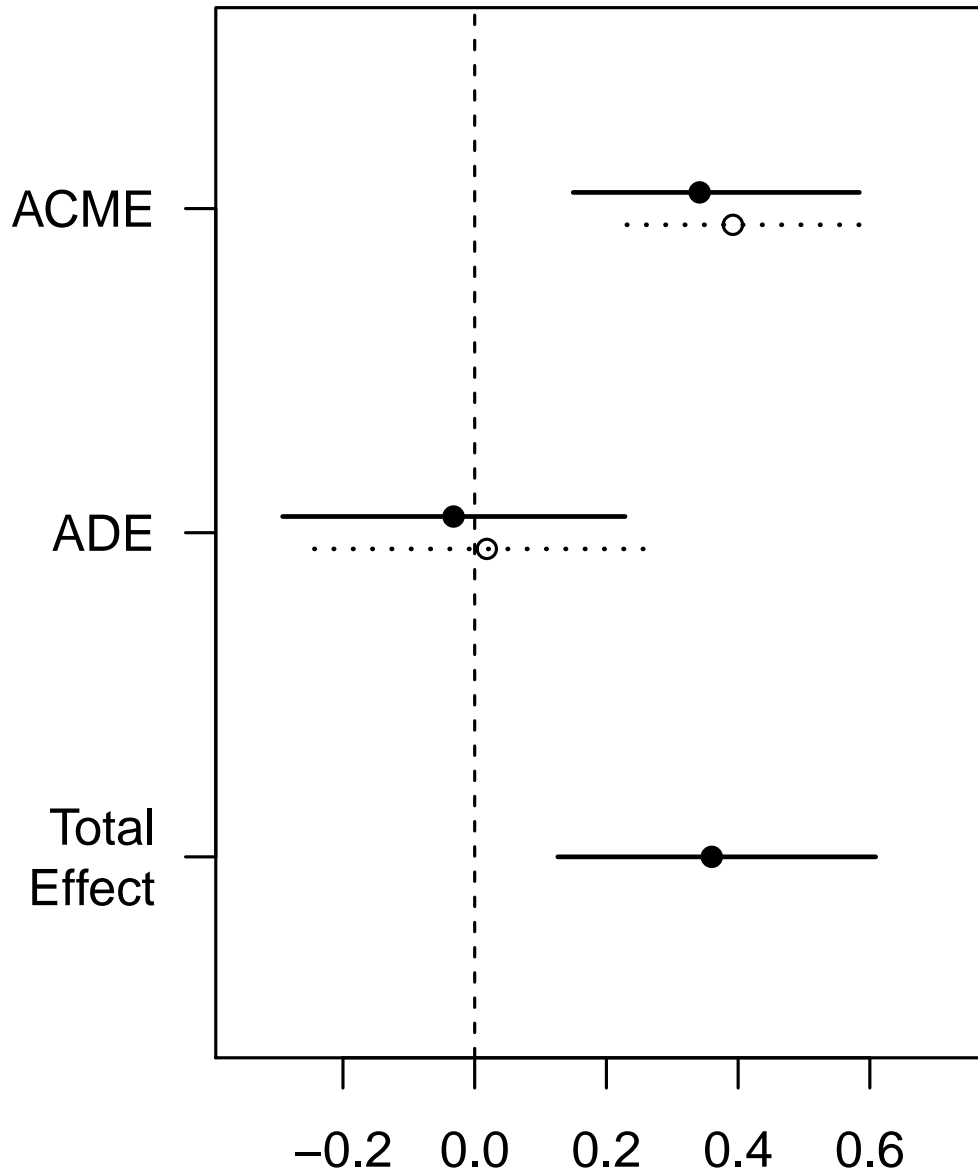
\*p<0.05; \*\*p<0.01; \*\*\*p<0.001







# M4a Mediation Analysis



### 0.1.5 pre-post Tournament Analysis

$$\Delta\text{teamClick} \sim \Delta\text{jointActionSuccess}$$

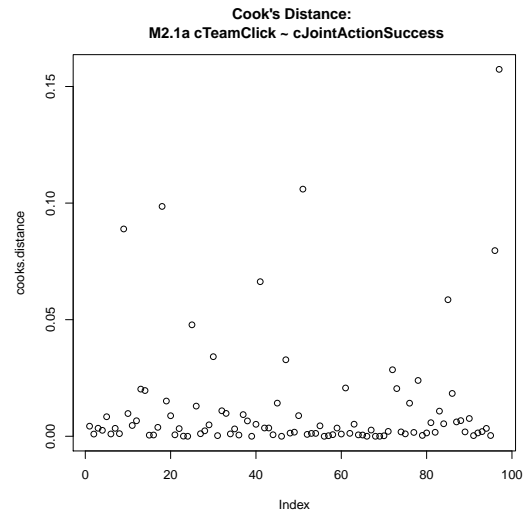
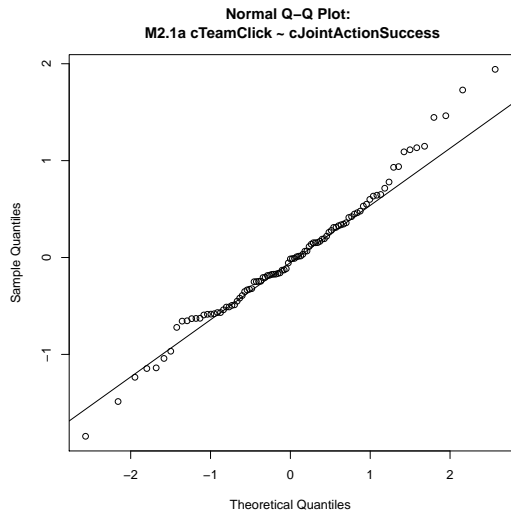
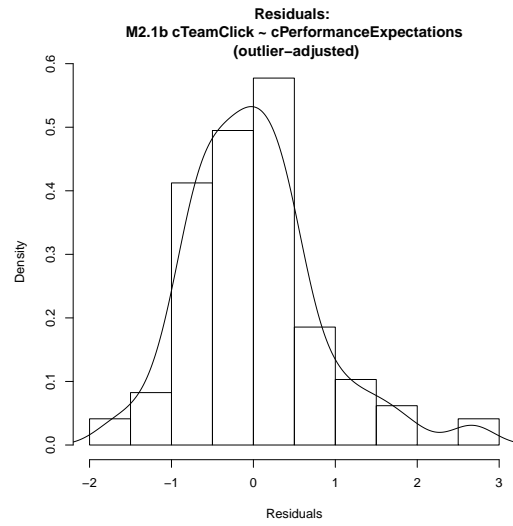
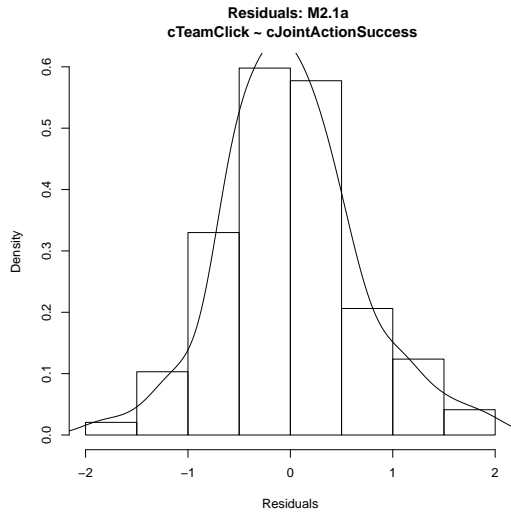


Table 31: cTeamClick cJointActionSuccess

	<i>Dependent variable:</i>		
	cTeamClick		
	(1)	(2)	(3)
(constant)	0.10 (0.13)	0.10 (0.08)	−0.10 (0.28)
cJointActionSuccess		0.47*** (0.08)	0.52*** (0.09)
cIndPerformanceSuccess			−0.04 (0.09)
objectiveCompetence			0.03 (0.09)
subjectiveCompetence			−0.01 (0.08)
finalRank			−0.02 (0.04)
minutesTotal			0.004 (0.004)
pointsTotal			0.01 (0.01)
Marginal R-squared			.40
Conditional R-squared			.47
Observations	99	99	97
Log Likelihood	−130.59	−107.75	−104.44
Akaike Inf. Crit.	267.19	227.50	232.88
Bayesian Inf. Crit.	274.97	243.07	263.77
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		

$$\Delta\text{teamClick} \sim \Delta\text{teamPerformanceExpectations}$$

Table 32: cTeamClick cJointActionSuccess

	<i>Dependent variable:</i>		
	cTeamClick		
	(1)	(2)	(3)
(constant)	0.10 (0.13)	0.10 (0.08)	−0.10 (0.28)
cJointActionSuccess		0.47*** (0.08)	0.52*** (0.09)
cIndPerformanceSuccess			−0.04 (0.09)
objectiveCompetence			0.03 (0.09)
subjectiveCompetence			−0.01 (0.08)
finalRank			−0.02 (0.04)
minutesTotal			0.004 (0.004)
pointsTotal			0.01 (0.01)
Marginal R-squared			.40
Conditional R-squared			.47
Observations	99	99	97
Log Likelihood	−130.59	−107.75	−104.44
Akaike Inf. Crit.	267.19	227.50	232.88
Bayesian Inf. Crit.	274.97	243.07	263.77
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		



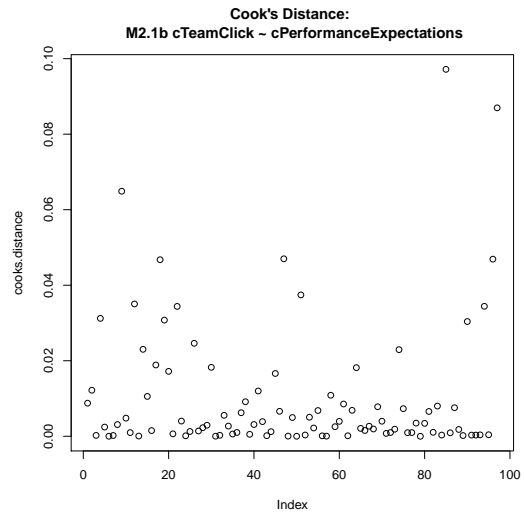
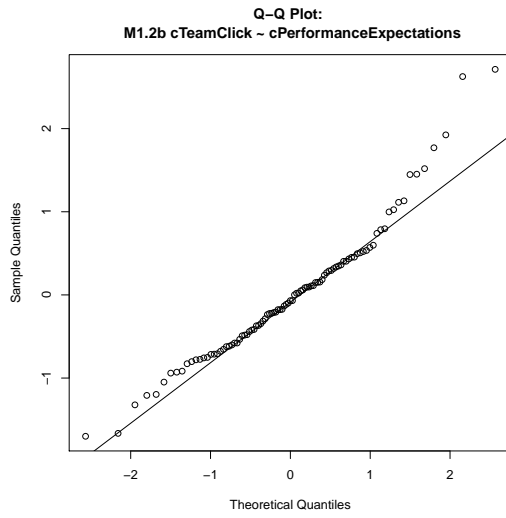
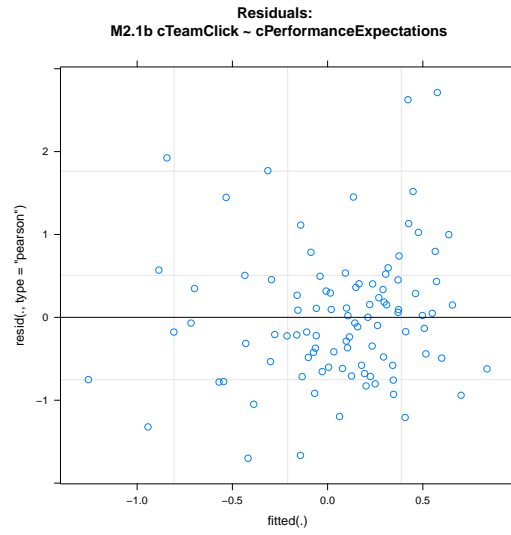
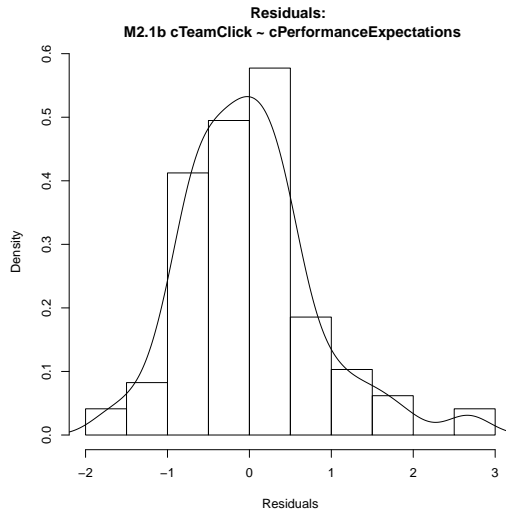


Table 33: M2.1b cTeamClick cPerformanceExpectations

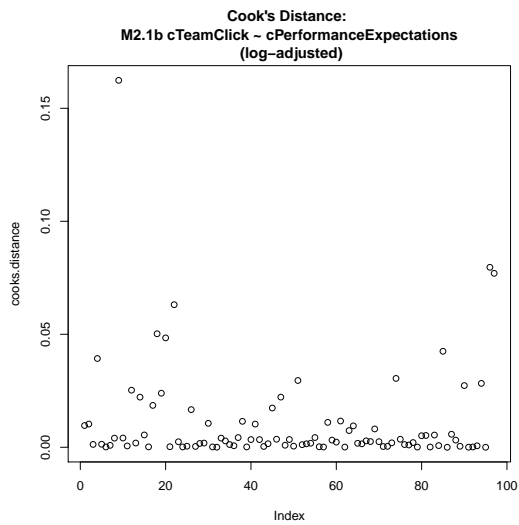
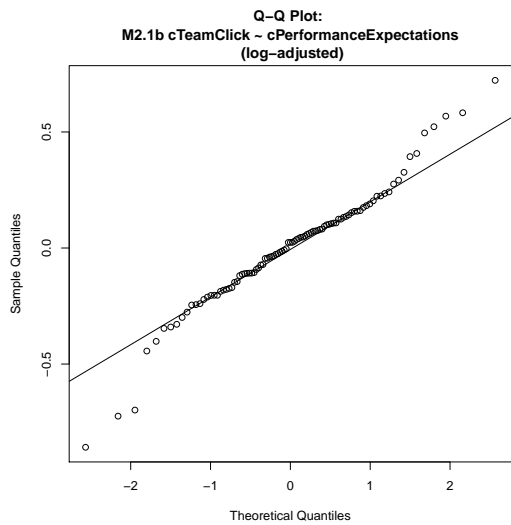
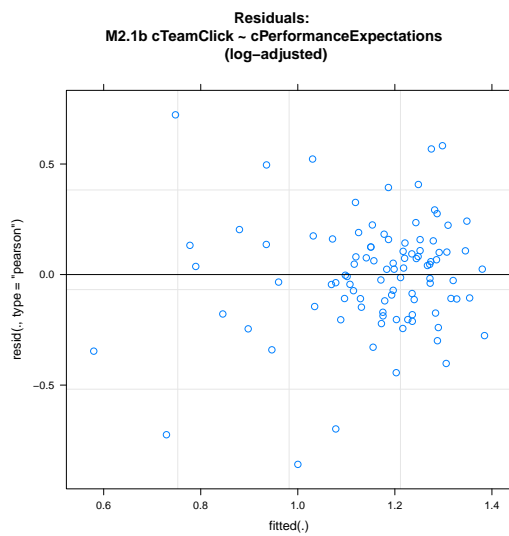
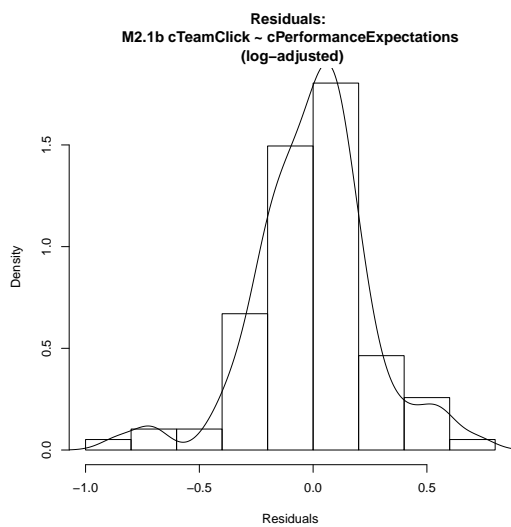
	<i>Dependent variable:</i>		
	cTeamClick		
	(1)	(2)	(3)
(constant)	0.10 (0.13)	−0.57 (0.30)	−0.64 (0.44)
cTeamPerformanceExpectations		0.01* (0.004)	0.01* (0.005)
cIndPerformanceExpectations			−0.003 (0.004)
objectiveCompetence			−0.13 (0.11)
subjectiveCompetence			−0.16 (0.09)
finalRank			0.02 (0.06)
minutesTotal			0.003 (0.005)
pointsTotal			0.003 (0.01)
Marginal R-squared			.40
Conditional R-squared			.47
Observations	99	99	97
Log Likelihood	−130.59	−127.00	−123.15
Akaike Inf. Crit.	267.19	266.01	270.30
Bayesian Inf. Crit.	274.97	281.58	301.20
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		

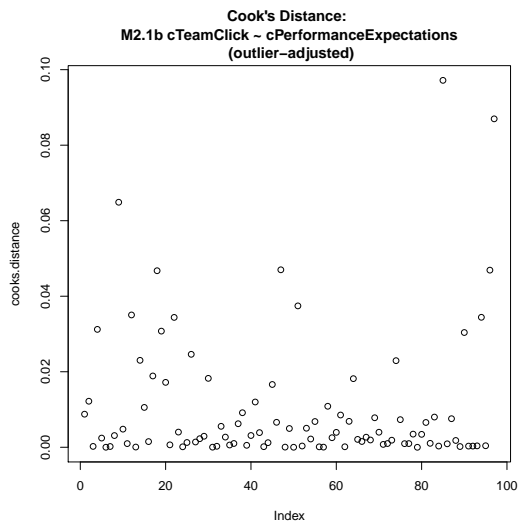
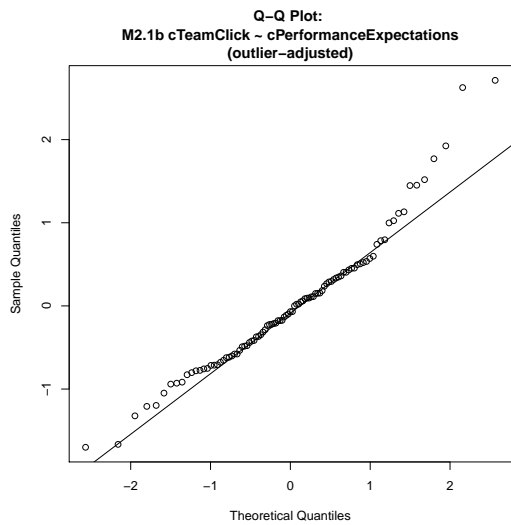
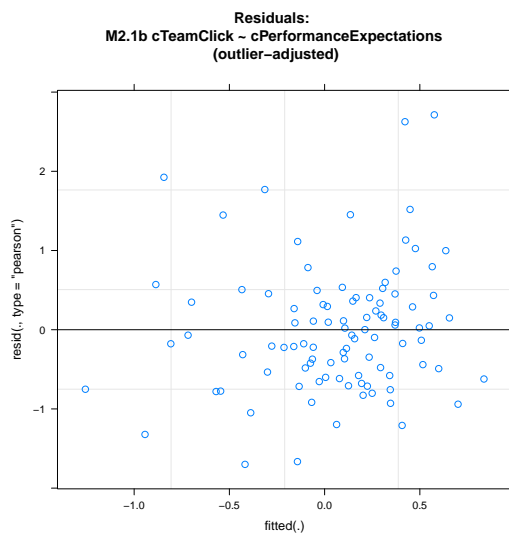
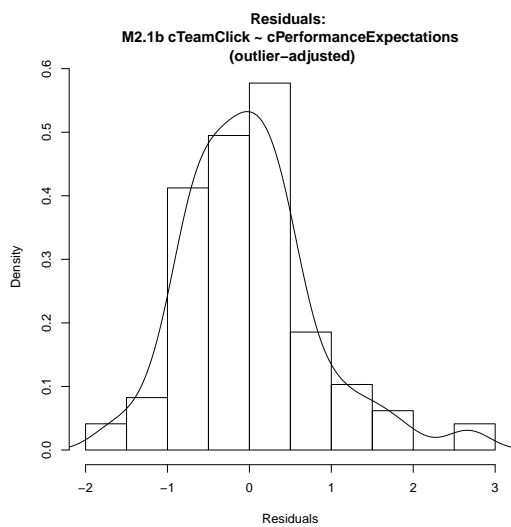
Table 34: M2.1b cTeamClick cPerformanceExpectations (adjusted models)

	<i>Dependent variable:</i>	
	cTeamClick log-transformed	clickFactorChangePrePostOut outliers removed
	(1)	(2)
(constant)	0.91*** (0.15)	−0.64 (0.44)
cTeamPerformanceExpectations	0.004* (0.002)	0.01* (0.005)
cIndPerformanceExpectations	−0.001 (0.001)	−0.003 (0.004)
objectiveCompetence	−0.04 (0.04)	−0.13 (0.11)
subjectiveCompetence	−0.05 (0.03)	−0.16 (0.09)
finalRank	0.003 (0.02)	0.02 (0.06)
minutesTotal	0.001 (0.002)	0.003 (0.005)
pointsTotal	0.001 (0.002)	0.003 (0.01)
Marginal R-squared	.14	.17
Conditional R-squared	.25	.20
Observations	97	97
Log Likelihood	−12.38	−123.15
Akaike Inf. Crit.	48.75	270.30
Bayesian Inf. Crit.	79.65	301.20

*Note:*

\*p&lt;0.05; \*\*p&lt;0.01; \*\*\*p&lt;0.001





$$\Delta\text{teamClick} \sim \Delta\text{jointActionSuccess} \times \text{teamPerformanceExpectations}$$

Table 35: cTeamClick cJointActionSuccess

	<i>Dependent variable:</i>		
	cTeamClick		
	(1)	(2)	(3)
(constant)	0.10 (0.13)	0.10 (0.08)	−0.10 (0.28)
cJointActionSuccess		0.47*** (0.08)	0.52*** (0.09)
cIndPerformanceSuccess			−0.04 (0.09)
objectiveCompetence			0.03 (0.09)
subjectiveCompetence			−0.01 (0.08)
finalRank			−0.02 (0.04)
minutesTotal			0.004 (0.004)
pointsTotal			0.01 (0.01)
Marginal R-squared			.40
Conditional R-squared			.47
Observations	99	99	97
Log Likelihood	−130.59	−107.75	−104.44
Akaike Inf. Crit.	267.19	227.50	232.88
Bayesian Inf. Crit.	274.97	243.07	263.77
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		

Table 36: cTeamClick cJointActionSuccess\*PerformanceExpectations

	<i>Dependent variable:</i>	
	cTeamClick	
	(1)	(2)
(constant)	−0.10 (0.28)	−0.04 (0.34)
cJointActionSuccess	0.52*** (0.09)	0.25 (0.21)
cTeamPerformanceExpectations		0.003 (0.004)
cIndPerformanceSuccess	−0.04 (0.09)	−0.01 (0.10)
cIndPerformanceExpectations		−0.004 (0.004)
objectiveCompetence	0.03 (0.09)	0.04 (0.09)
subjectiveCompetence	−0.01 (0.08)	−0.01 (0.08)
finalRank	−0.02 (0.04)	−0.03 (0.04)
minutesTotal	0.004 (0.004)	0.005 (0.004)
pointsTotal	0.01 (0.01)	0.01 (0.01)
cJointActionSuccess x cTeamPerformanceExpectations		0.004 (0.003)
Marginal R-squared	.40	.40
Conditional R-squared	.47	.49
Observations	97	97
Log Likelihood	−104.44	−103.08
Akaike Inf. Crit.	232.88	236.16
Bayesian Inf. Crit.	263.77	274.78

*Note:*

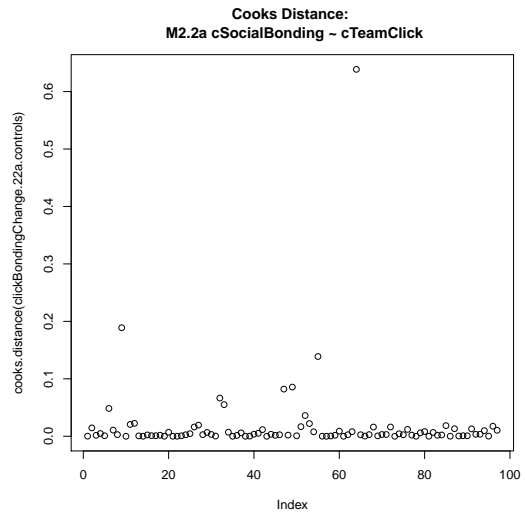
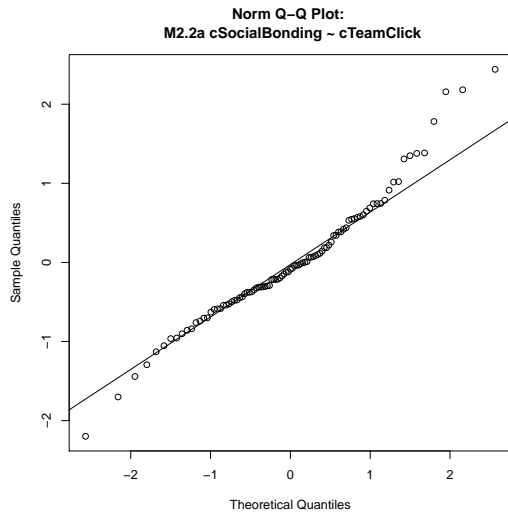
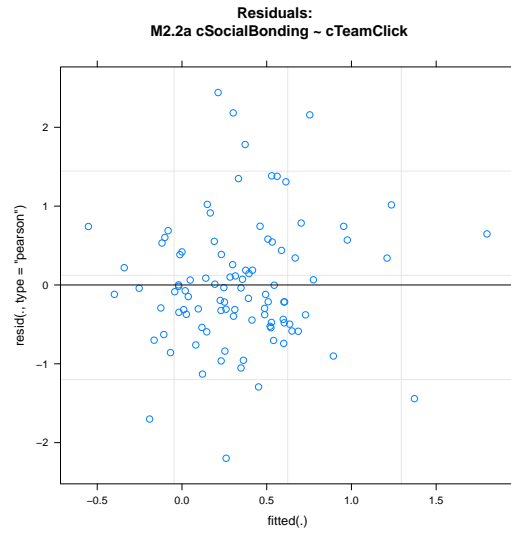
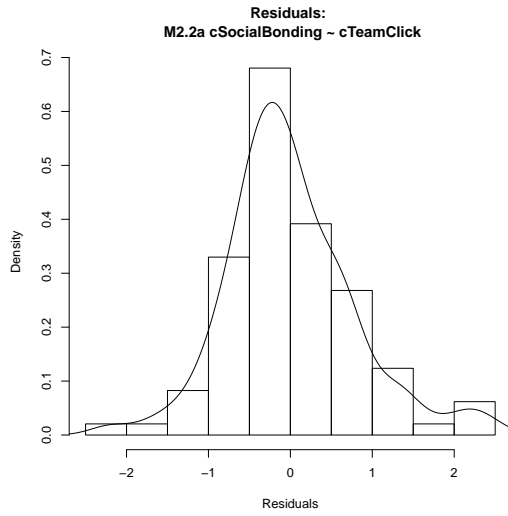
\*p&lt;0.05; \*\*p&lt;0.01; \*\*\*p&lt;0.001



$\Delta\text{socialBonding} \sim \Delta\text{teamClick}$

Table 37: cSocialBonding = cTeamClick

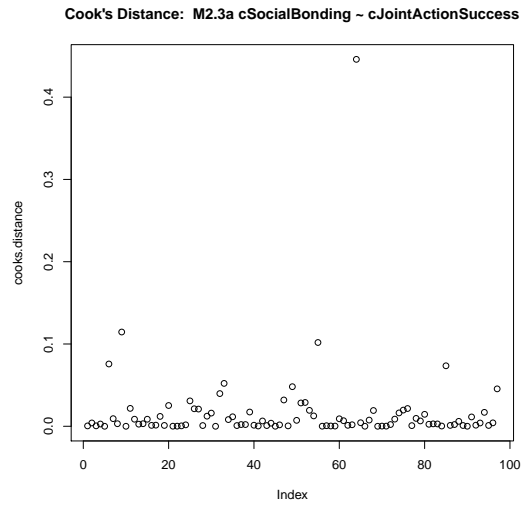
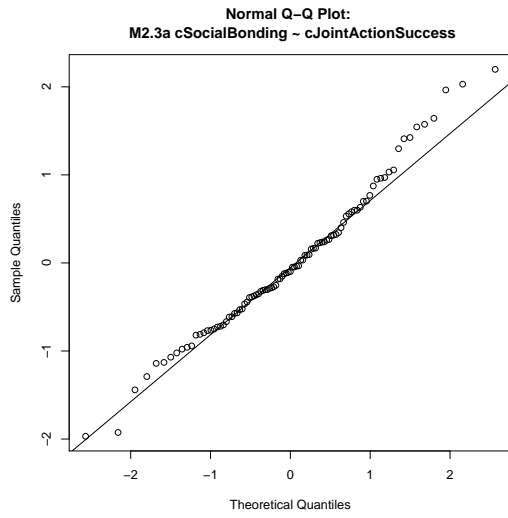
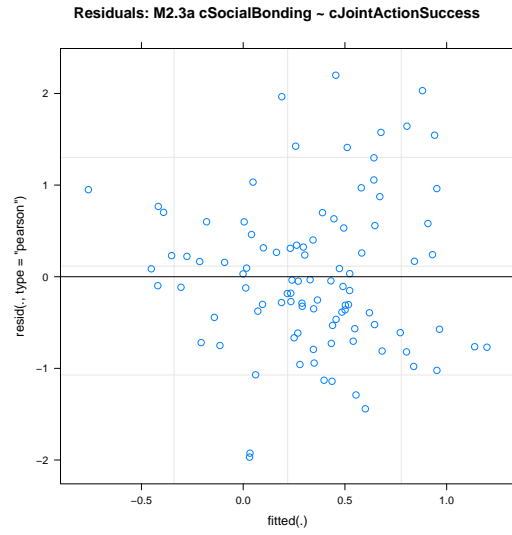
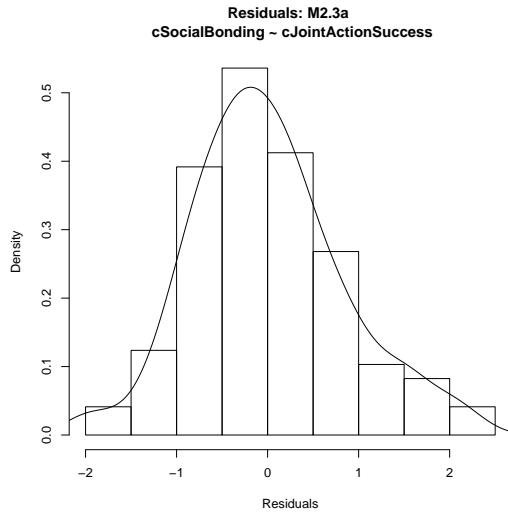
	<i>Dependent variable:</i>		
	cSocialBonding		
	(1)	(2)	(3)
(constant)	0.34*** (0.09)	0.31*** (0.08)	0.22 (0.31)
cTeamClick		0.39*** (0.11)	0.40*** (0.12)
objectiveCompetence			0.04 (0.10)
subjectiveCompetence			−0.003 (0.09)
finalRank			−0.01 (0.05)
minutesTotal			0.003 (0.005)
pointsTotal			0.001 (0.01)
Marginal R-squared			.17
Conditional R-squared			.23
Observations	99	99	97
Log Likelihood	−129.78	−122.27	−119.44
Akaike Inf. Crit.	265.55	256.54	260.88
Bayesian Inf. Crit.	273.34	272.11	289.20
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		



$$\Delta\text{socialBonding} \sim \Delta\text{jointActionSuccess}$$

Table 38: cSocialBonding cJointActionSuccess

	<i>Dependent variable:</i>		
	cSocialBonding		
	(1)	(2)	(3)
(constant)	0.34*** (0.09)	0.35*** (0.09)	0.13 (0.31)
cJointActionSuccess		0.24*** (0.07)	0.38*** (0.09)
cIndPerformanceSuccess			−0.23* (0.11)
objectiveCompetence			0.14 (0.11)
subjectiveCompetence			0.03 (0.09)
finalRank			−0.04 (0.05)
minutesTotal			0.01 (0.005)
pointsTotal			0.003 (0.01)
Marginal R-squared		.10	.18
Conditional R-squared		.10	.18
Observations	99	99	97
Log Likelihood	−129.78	−124.37	−118.30
Akaike Inf. Crit.	265.55	260.75	260.60
Bayesian Inf. Crit.	273.34	276.32	291.50
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		



$$\Delta \text{socialBonding} \sim \text{teamPerformanceExpectations}$$

Table 39: cSocialBonding teamPerformanceExpectations

	<i>Dependent variable:</i>			
	cSocialBonding		bondingPostFactorLogReturned	
	(1)	(2)	(3)	(4)
(constant)	0.34*** (0.09)	-0.07 (0.25)	0.01 (0.39)	1.34*** (0.22)
teamPerformanceExpectations		0.01* (0.004)	0.01* (0.004)	0.01*** (0.003)
indPerformanceExpectations			-0.004 (0.004)	0.001 (0.002)
objectiveCompetence			0.03 (0.11)	0.01 (0.04)
subjectiveCompetence			-0.06 (0.10)	0.09** (0.04)
finalRank			-0.03 (0.05)	0.01 (0.02)
minutesTotal			0.004 (0.005)	0.0003 (0.002)
pointsTotal			0.002 (0.01)	-0.002 (0.003)
Marginal R-squared		.03	.05	.23
Conditional R-squared		.03	.05	.46
Observations	99	99	97	97
Log Likelihood	-129.78	-128.30	-125.20	-32.67
Akaike Inf. Crit.	265.55	268.60	274.39	89.34
Bayesian Inf. Crit.	273.34	284.17	305.29	120.24

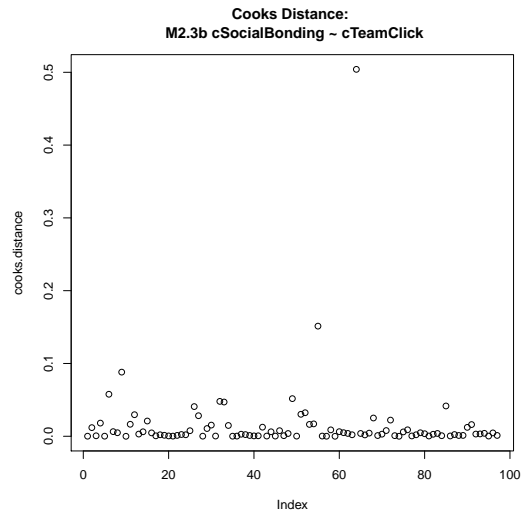
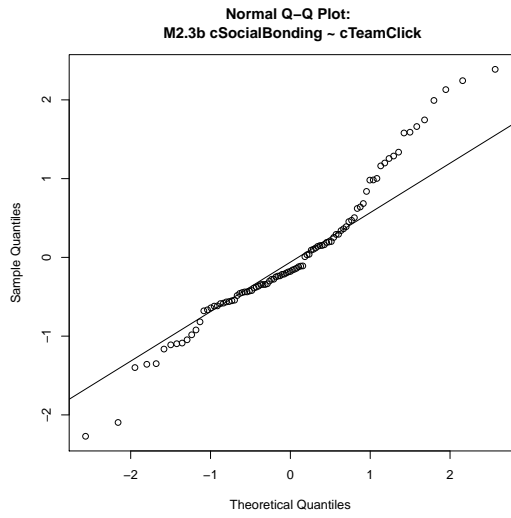
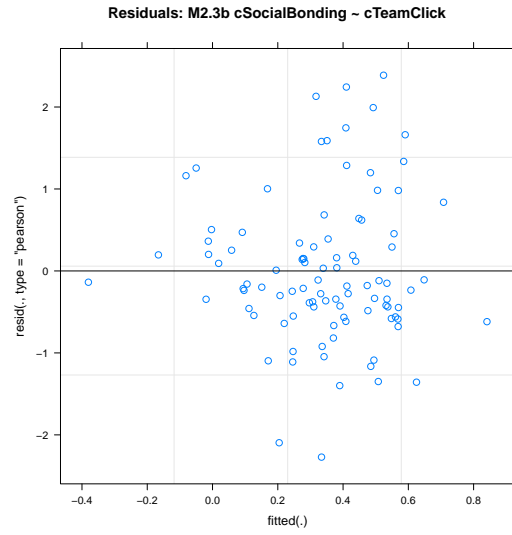
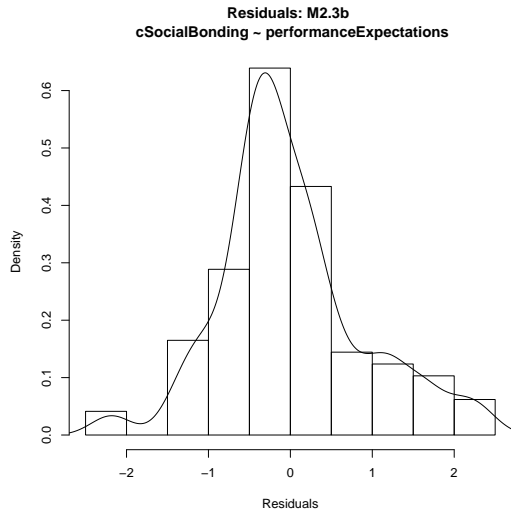
Note:

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

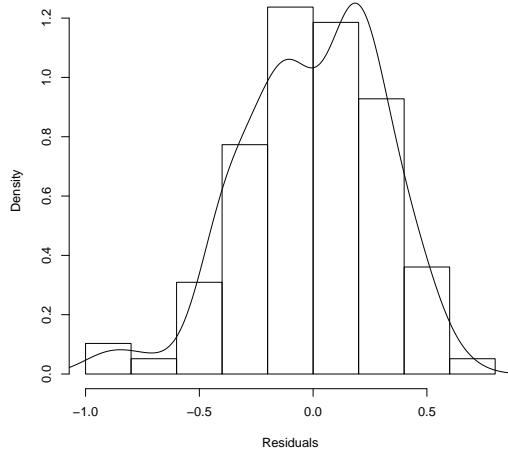
Table 40: cSocialBonding teamPerformanceExpectations

0.05	0.01	0.001
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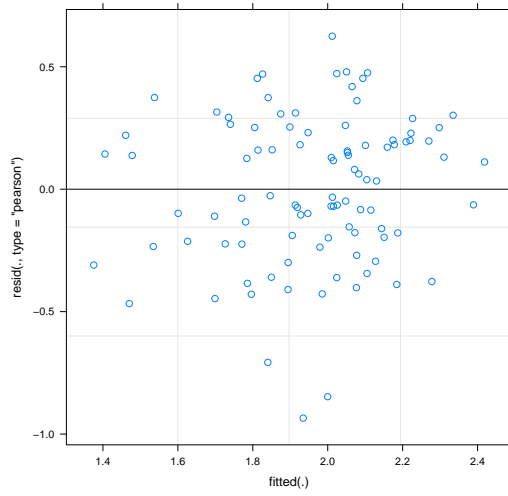




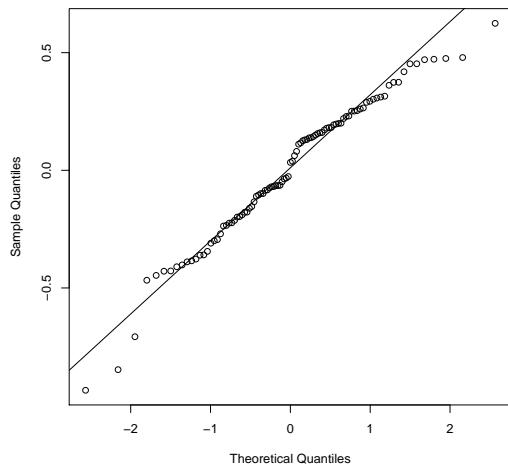
Residuals: M2.3b cSocialBonding ~ cTeamClick (log-transformed)



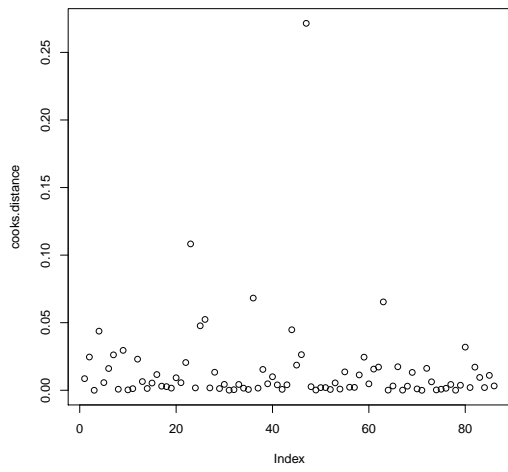
Residuals: M2.3b cSocialBonding ~ cTeamClick (log-transformed)



Normal Q-Q Plot: M2.3b cSocialBonding ~ cTeamClick (log-transformed)

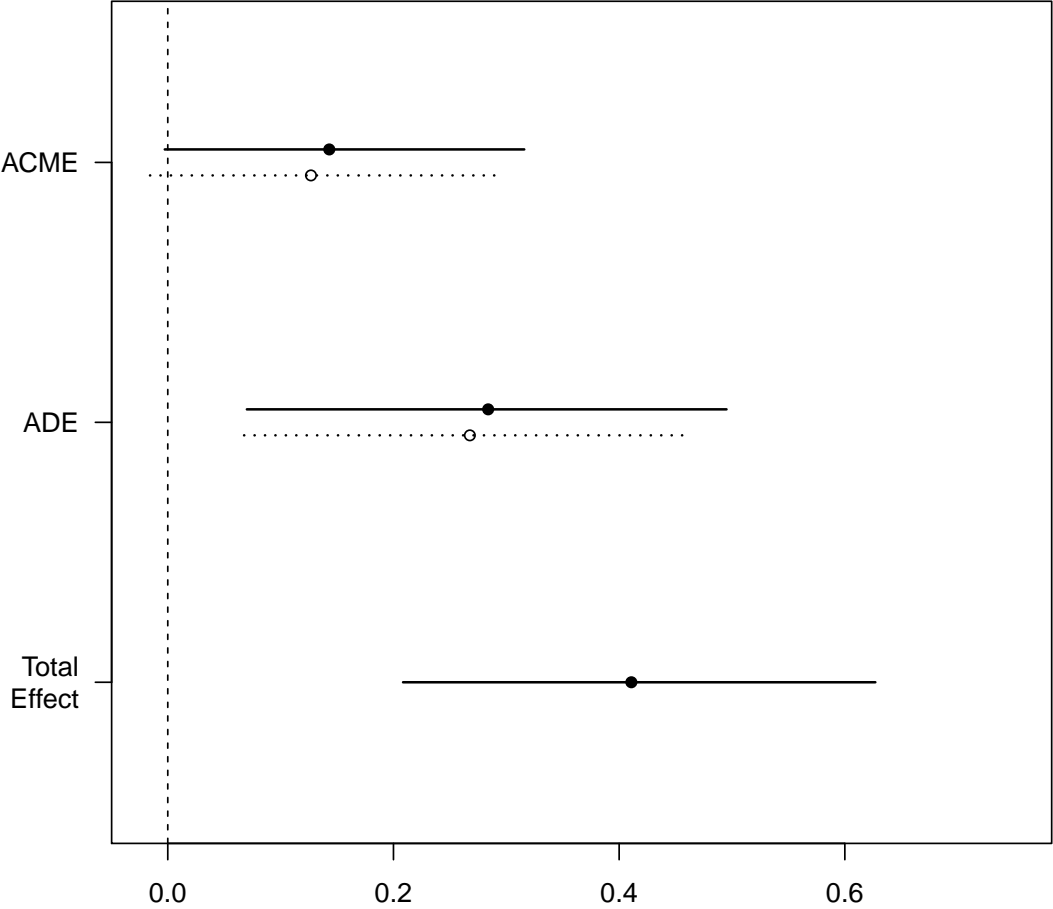


Cooks Distance: M2.3b cSocialBonding ~ cTeamClick (log-transformed)



Mediation Analysis:  $\Delta\text{jointActionSuccess} \rightarrow \Delta\text{teamClick} \rightarrow$   
 $\Delta\text{socialBonding}$

**M2.4a Mediation Analysis:**  
**cJointActionSuccess > cTeamClick > cSocialBonding**



$$\Delta\text{fusionFamily} \sim \Delta\text{jointActionSuccess}$$

Table 41: cFusionFamily jointActionSuccess

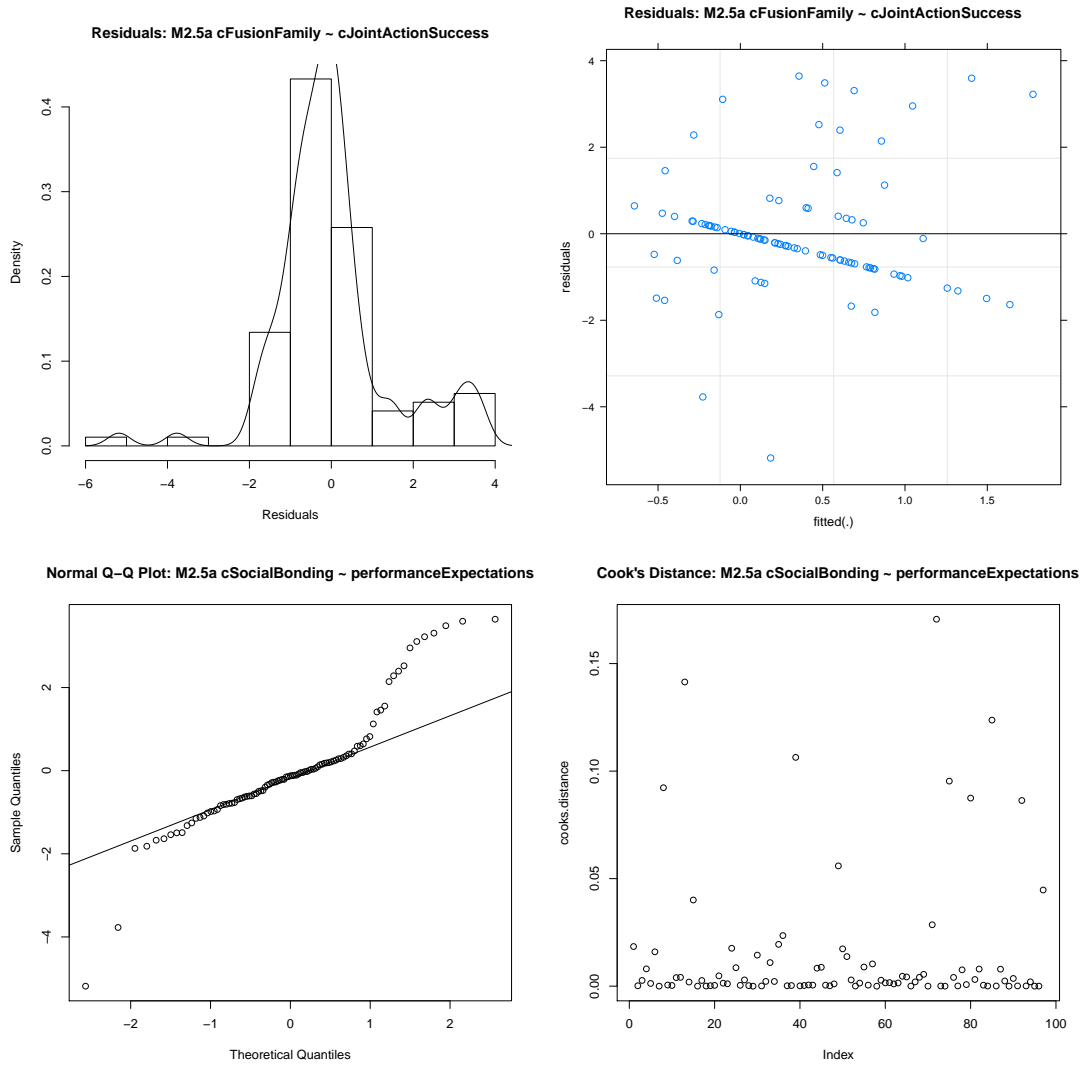
	<i>Dependent variable:</i>	
	cFusionFamily	fusionPictorialFamilyChangeOut outliers removed
	(1)	(2)
(constant)	0.12 (0.66)	−0.04 (0.32)
cJointActionSuccess	0.43** (0.18)	0.50*** (0.10)
cIndPerformanceSuccess	−0.46** (0.20)	−0.01 (0.10)
teamPerformanceExpectations	−0.01 (0.01)	0.002 (0.004)
indPerformanceExpectations	0.001 (0.01)	−0.003 (0.004)
objectiveCompetence	0.27 (0.19)	0.06 (0.09)
subjectiveCompetence	0.06 (0.16)	−0.0003 (0.08)
finalRank	0.10 (0.08)	−0.02 (0.04)
minutesTotal	−0.002 (0.01)	0.01 (0.004)
Marginal R-squared	.11	.32
Conditional R-squared	.14	.32
Observations	97	97
Log Likelihood	−173.00	−104.99
Akaike Inf. Crit.	372.00	235.98
Bayesian Inf. Crit.	405.48	269.45

*Note:*

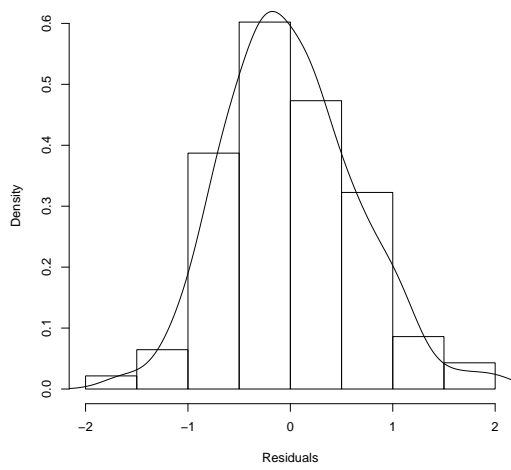
\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

Table 42: cFusionFamily jointActionSuccess

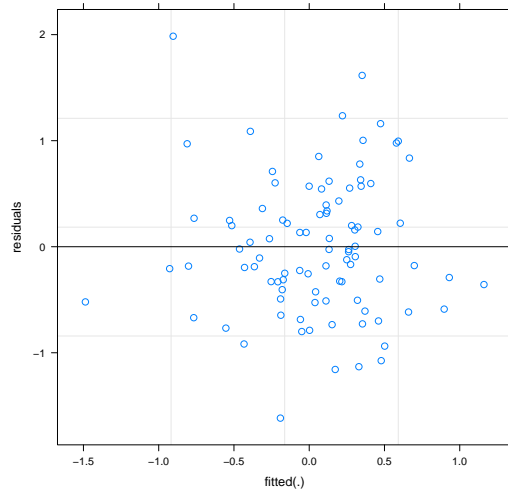
0.05	0.01	0.001
------	------	-------



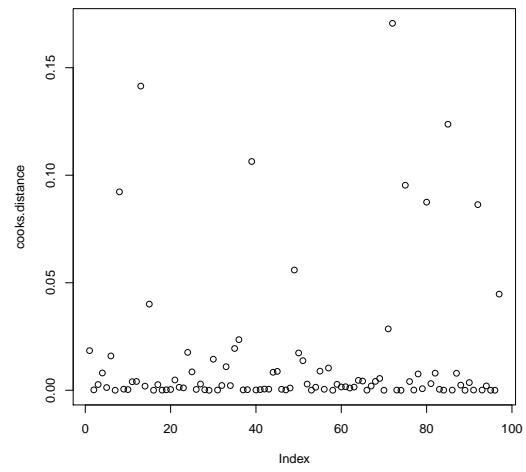
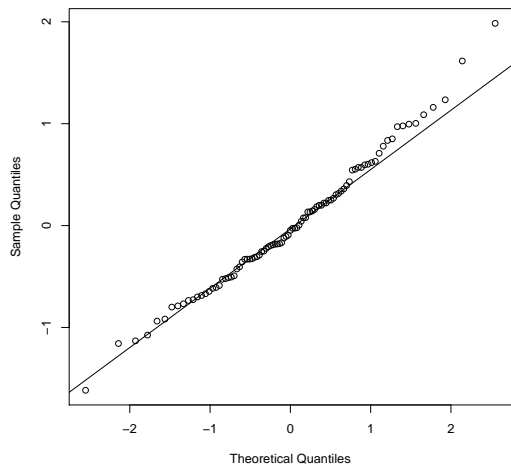
Residuals: M2.5a cFusionFamily ~ cJointActionSuccess (outliers removed)



Residuals: M2.5a cFusionFamily ~ cJointActionSuccess (outliers removed)



mal Q-Q Plot: M2.5a cSocialBonding ~ performanceExpectations (outliers removed) Cook's Distance: M2.5a cSocialBonding ~ performanceExpectations (outliers removed)

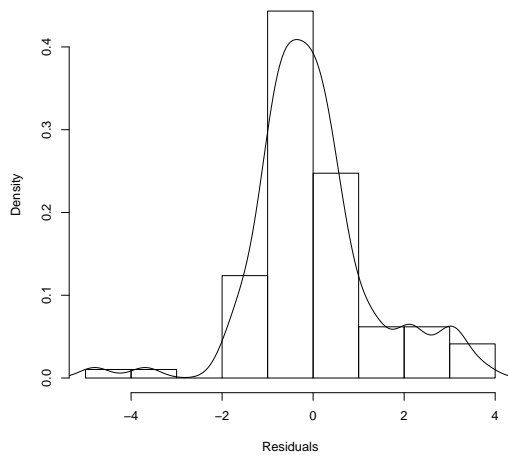




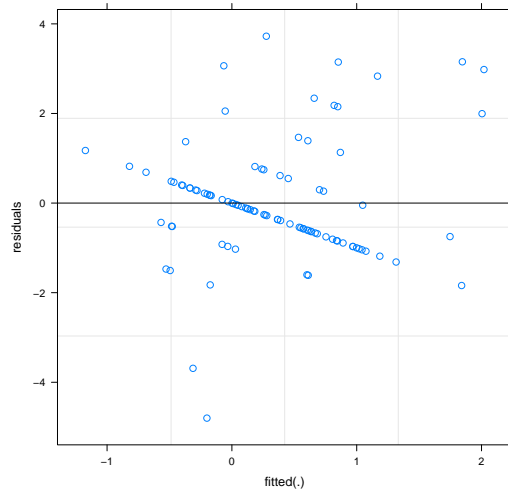
$$\Delta\text{fusionFamily} \sim \Delta\text{teamClick}$$

$$\Delta\text{fusionFamily} \sim \Delta\text{jointActionSuccess} \times \Delta\text{teamClick}$$

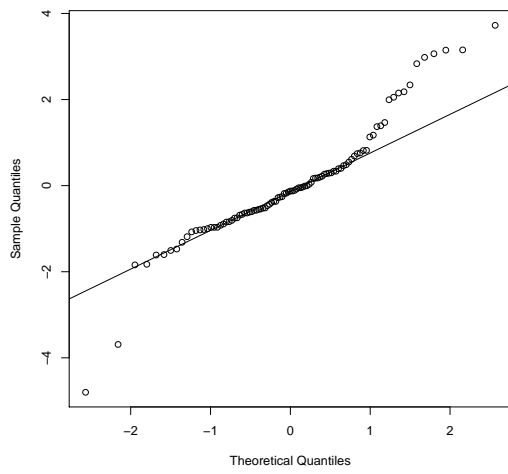
Residuals: M2.5c cFusionFamily ~ cJointActionSuccess\*teamClick



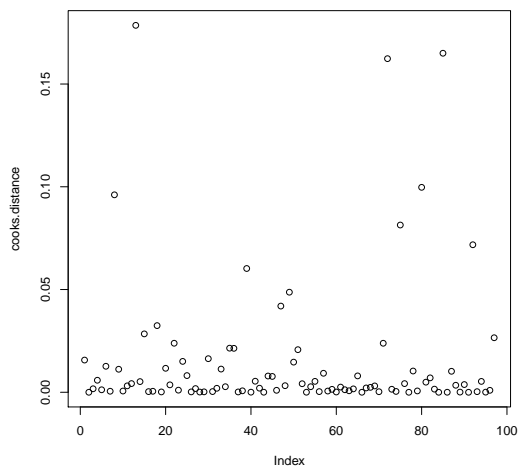
Residuals: M2.5c cFusionFamily ~ cJointActionSuccess\*teamClick



Normal Q-Q Plot: M2.5c cSocialBonding ~ cJointActionSuccess\*teamClick



Cook's Distance: M2.5c cSocialBonding ~ performanceExpectations\*teamC



## 0.1.6 Overall Tournament Analysis

### Overall Tournament Descriptive Statistics

Table 43: Overall Tournament Performance Summary Statistics

time	teamPerf	tP.sd	indPerf	iP.sd	teamPerfExp	tPE.sd	indPerfExp	iP.sd.1
pre-Tournament	71.11	21.87	68.92	21.32				
day1					54.43	30.63	39.43	27.25
day2					53.19	32.98	40.92	27.93
post-Tournament					64.36	23.61	56.36	23.47

Table 44: Team Click Overall Tournament Summary Statistics

time	unspUnd	uU.sd	genAt	gA.sd	clickPic	cP.sd
pre-Tournament	71.58	20.77	75.51	23.27	3.87	1.24
day1	55.92	26.88	65.74	31.95	3.46	1.49
day2	55.30	29.43	64.32	33.39	3.33	1.70
post-Tournament	72.72	19.95	78.45	21.34	3.93	1.04

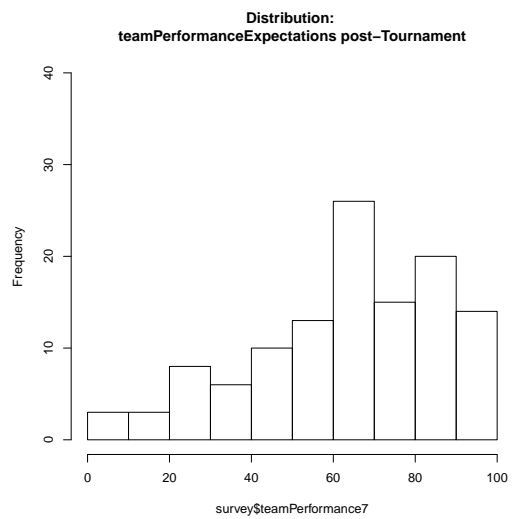
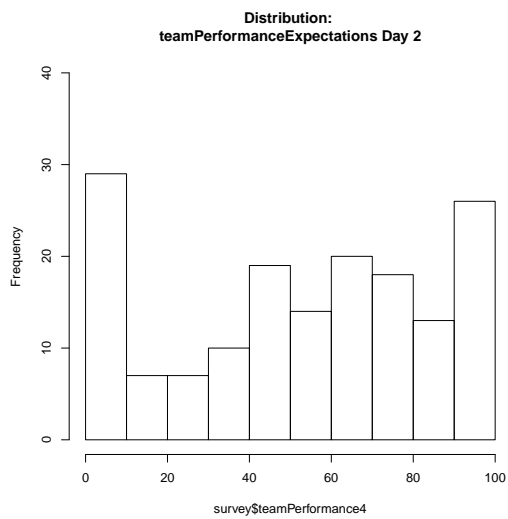
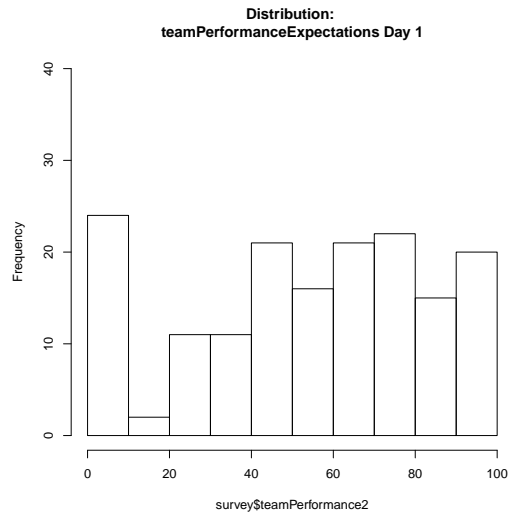
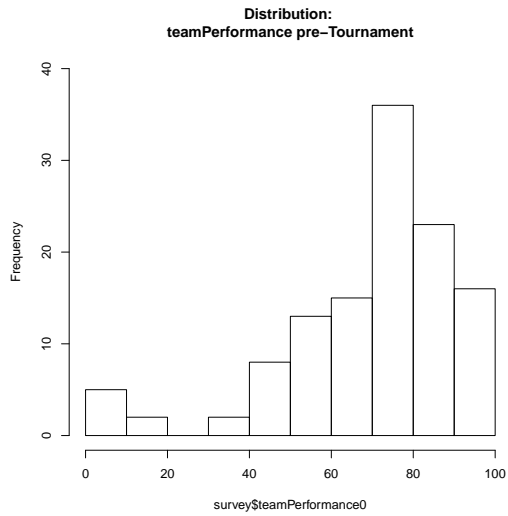
Table 45: Social Bonding Overall Tournament Summary Statistics

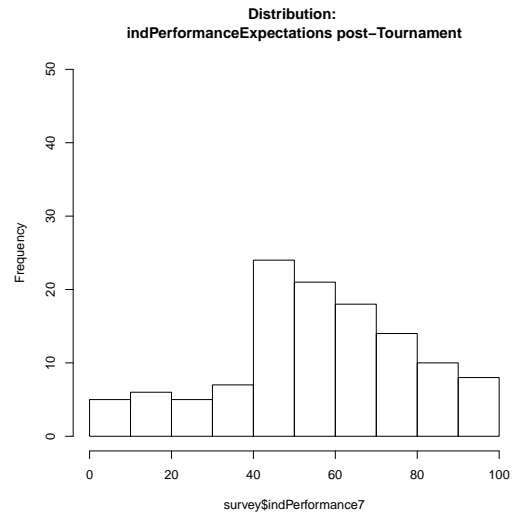
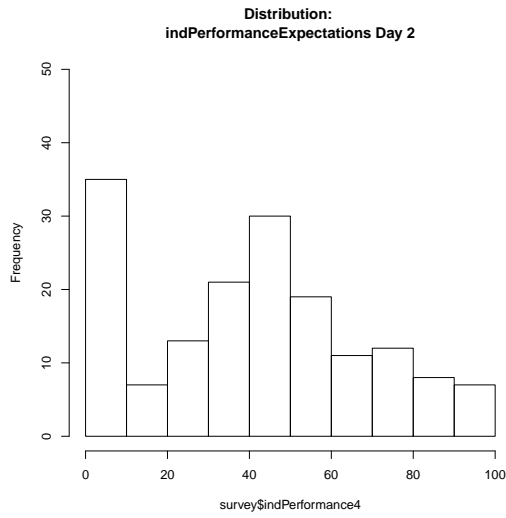
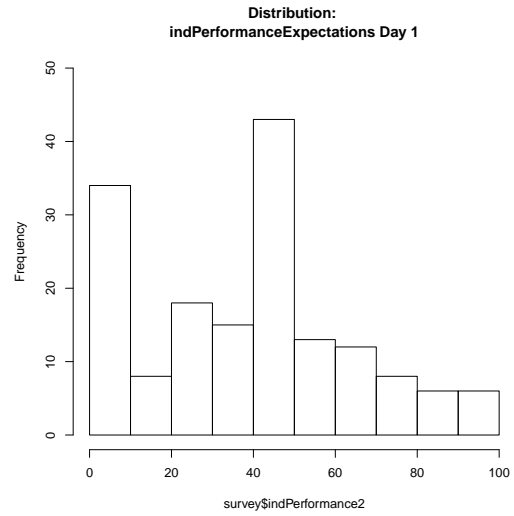
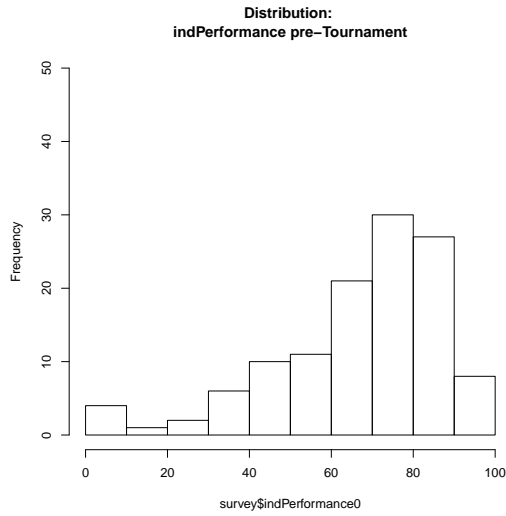
time	emoSup	eS.sd	sharedGoal	sG.sd	fusionPic	fP.sd
pre-Tournament	70.12	26.21	77.66	24.28	4.26	1.25
day1	67.29	30.56	76.34	30.50	4.06	1.47
day2	67.53	32.55	71.42	35.47	3.85	1.69
post-Tournament	79.67	18.84	86	15.56	4.33	1.19

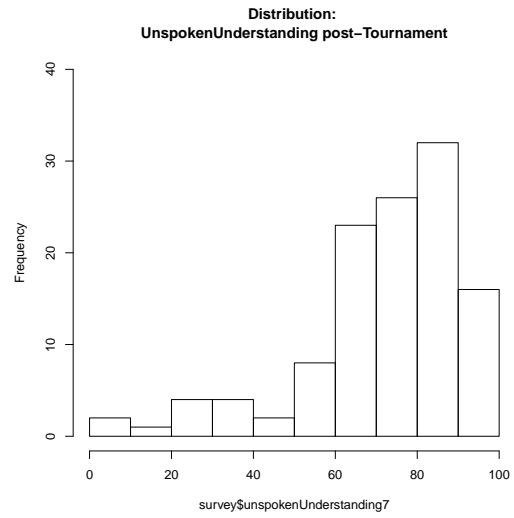
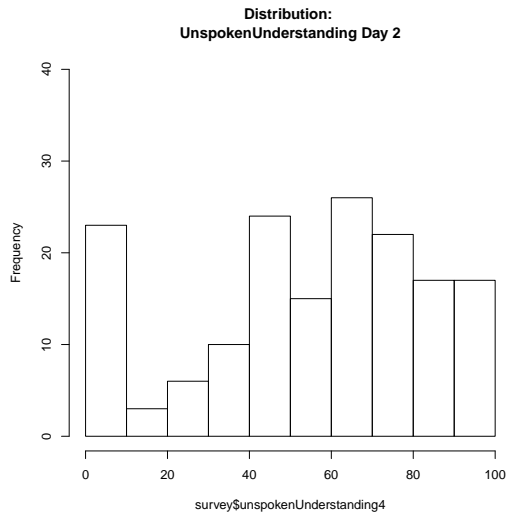
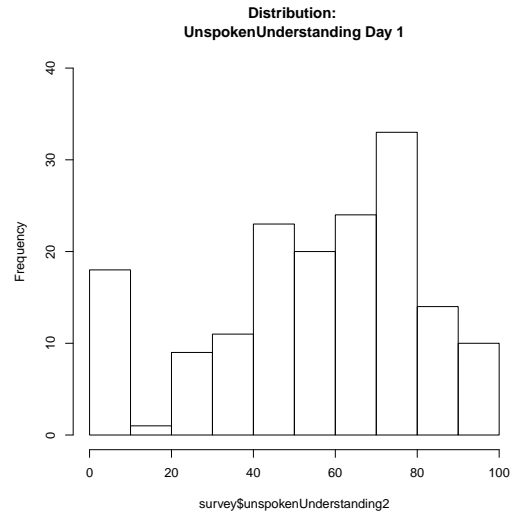
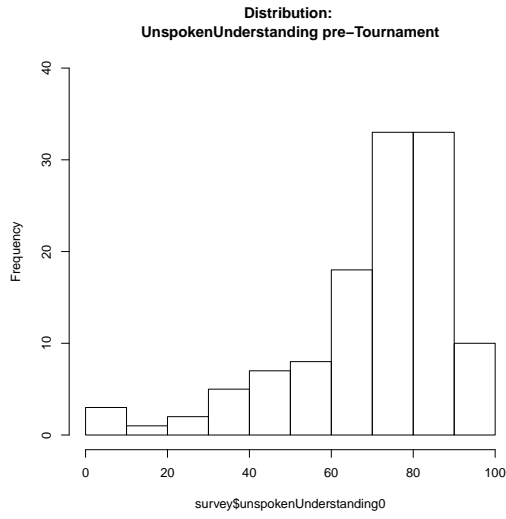
Table 46: Fatigue Overall Tournament Summary Statistics

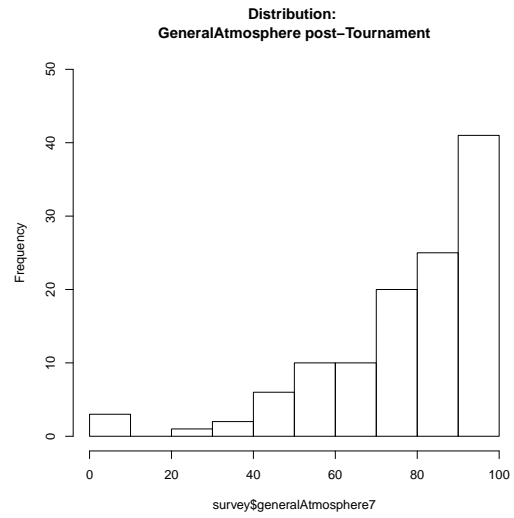
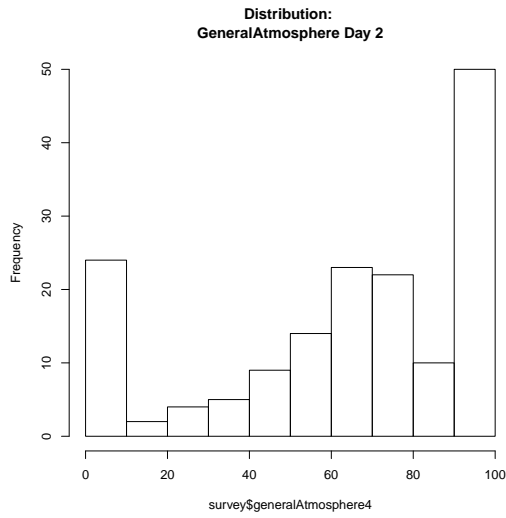
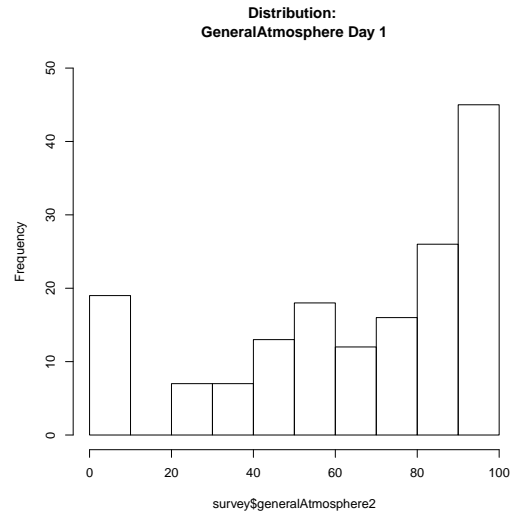
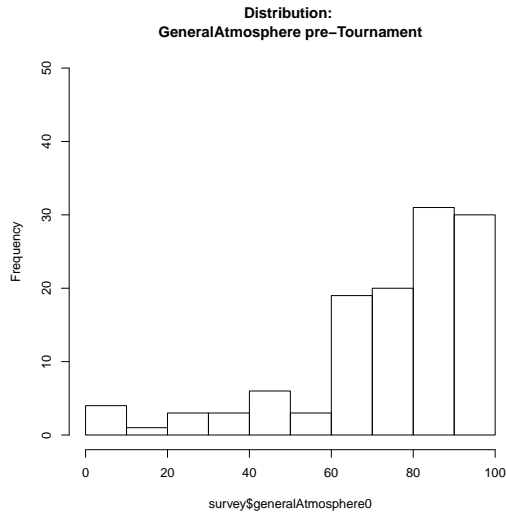
time	fat	f.sd	prpe	p.sd	mental	m.sd	inj.mu	inj.sd
pre-Tournament							18.73	23.36
day1	50.14	28.80	12.45	4.52	4.09	2.83	29.91	33.15
day2	59.79	86.65	12.60	5.53	4.13	3.17	37.14	37.66
post-Tournament	69.27	21.24	14.97	2.66	6.08	2.47	23.86	26.91

## Time Series Distributions of Variables of Interest

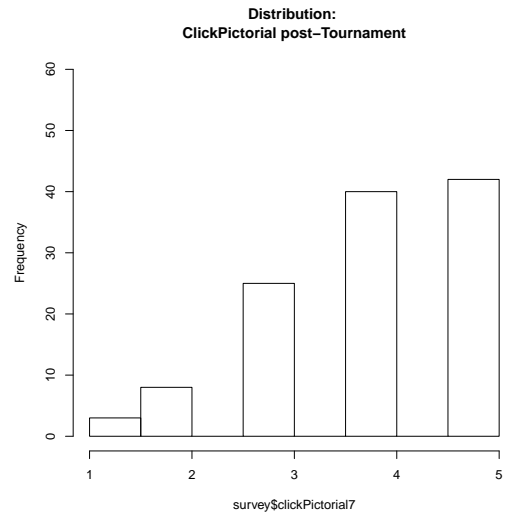
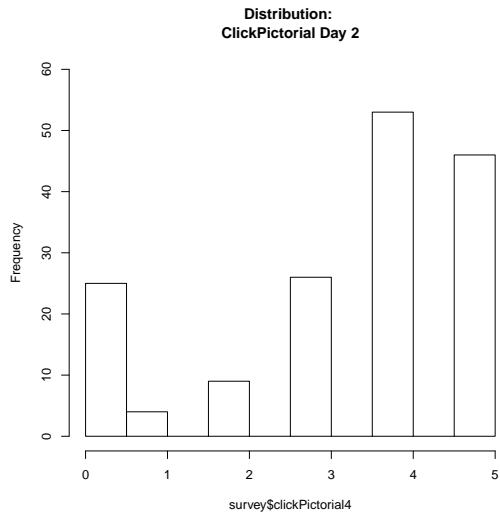
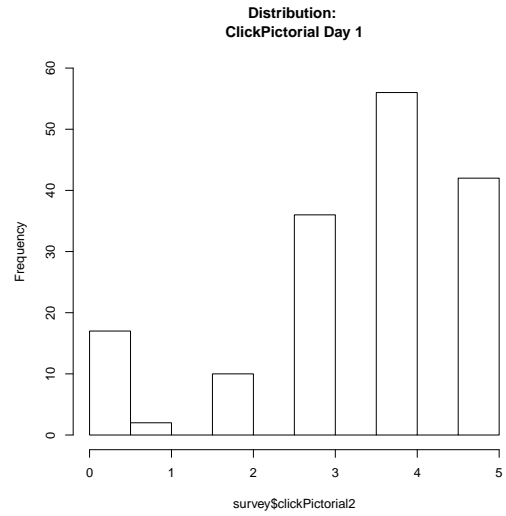
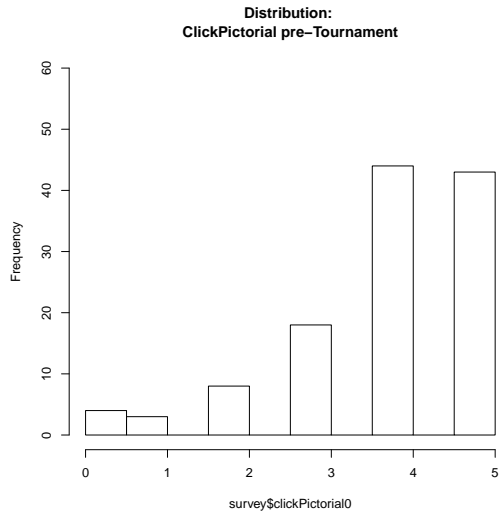


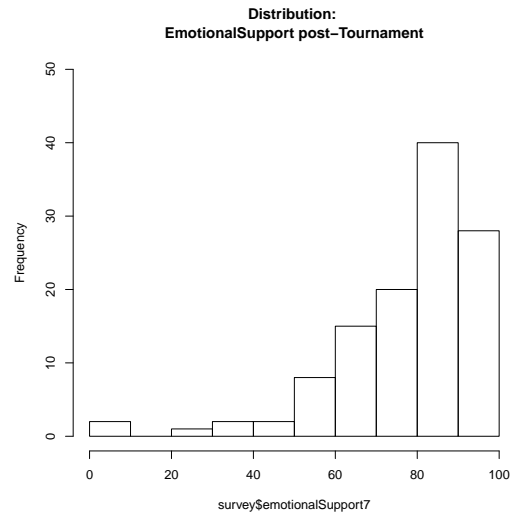
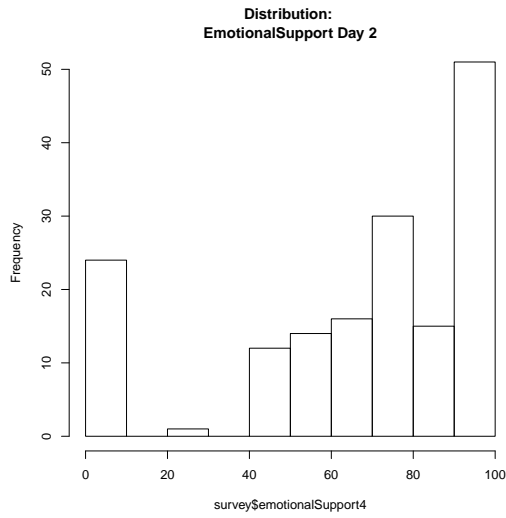
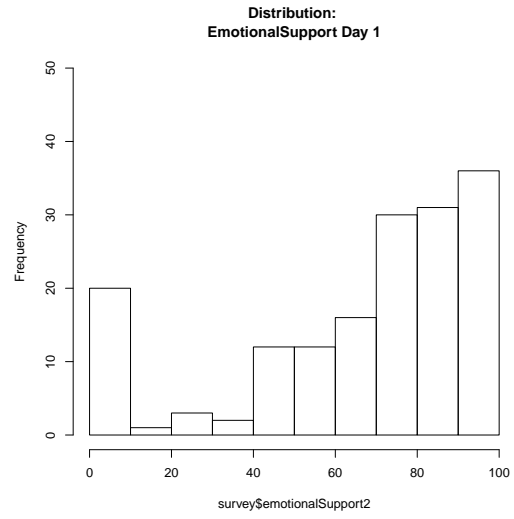
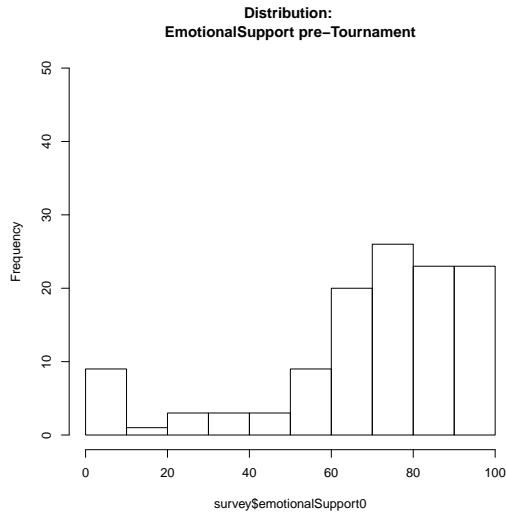


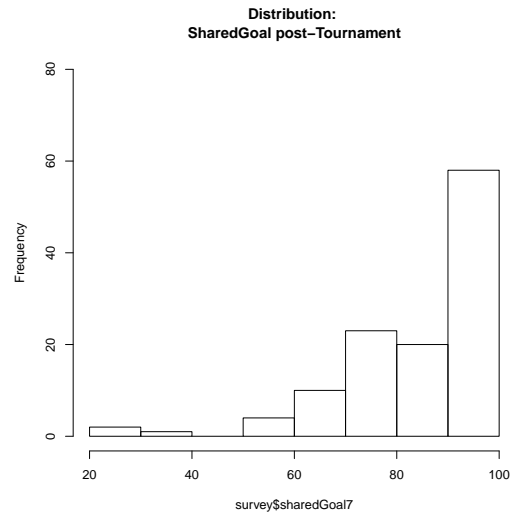
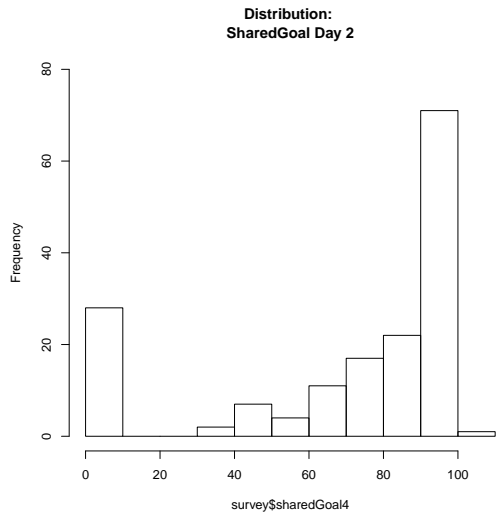
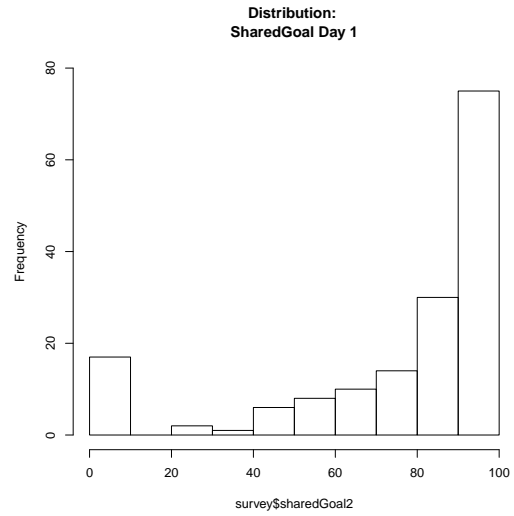
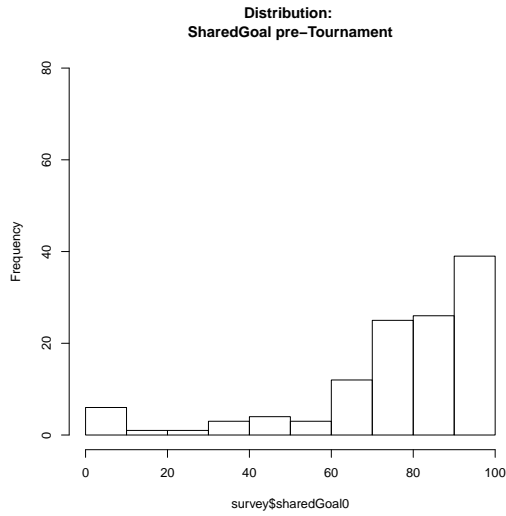


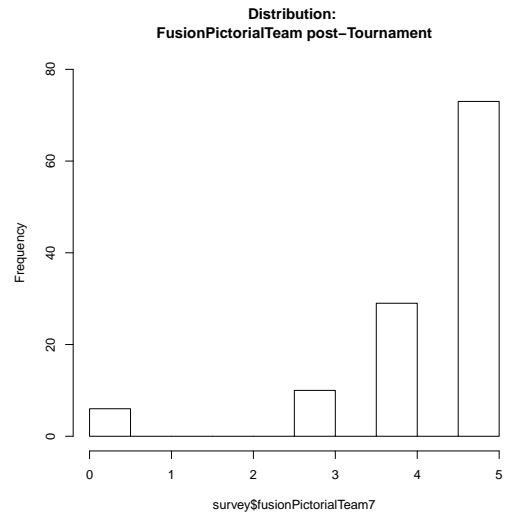
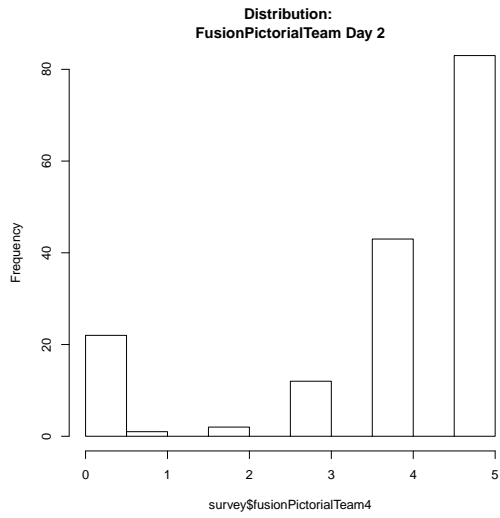
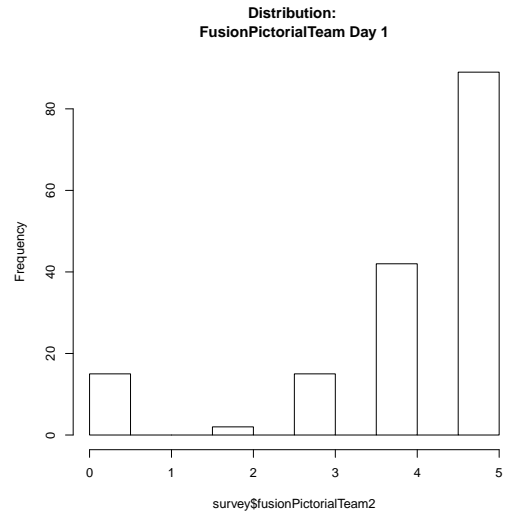
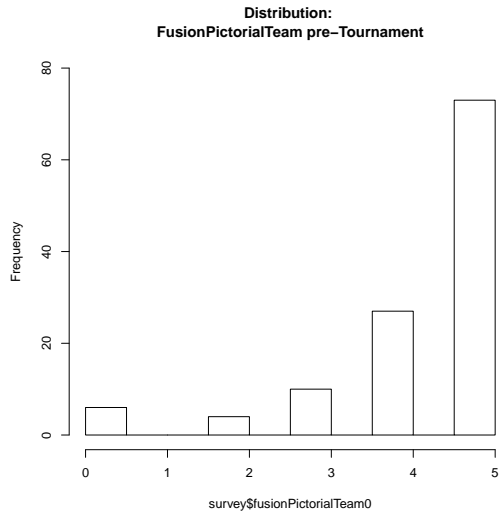


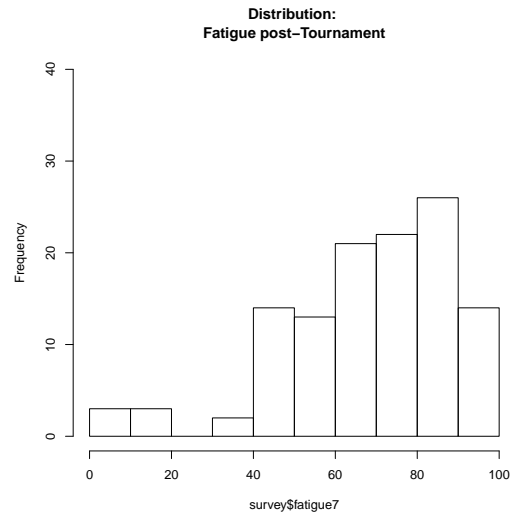
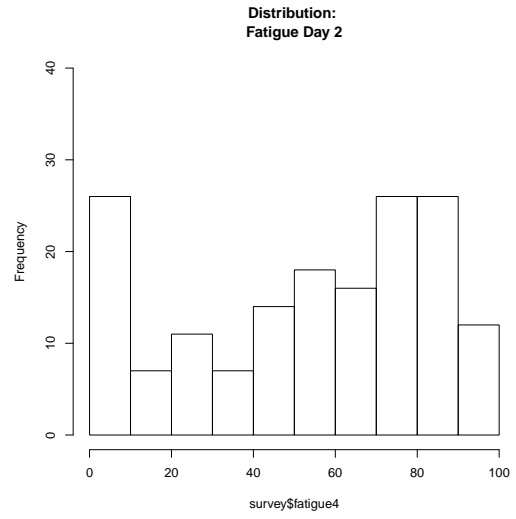
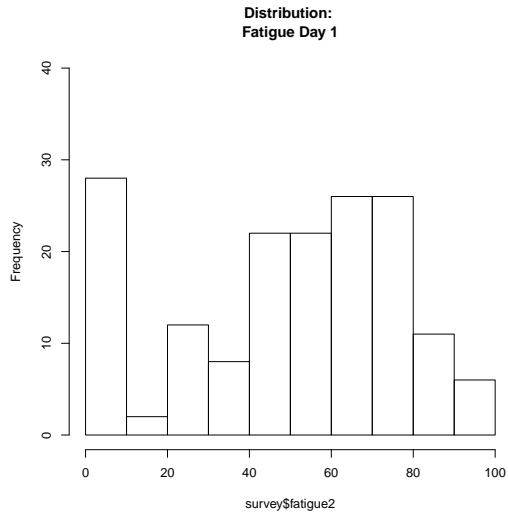


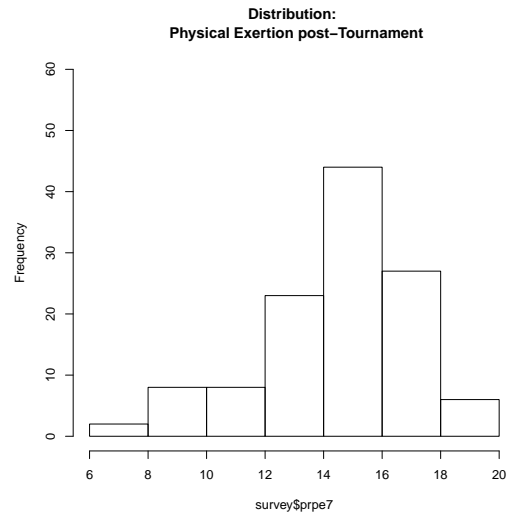
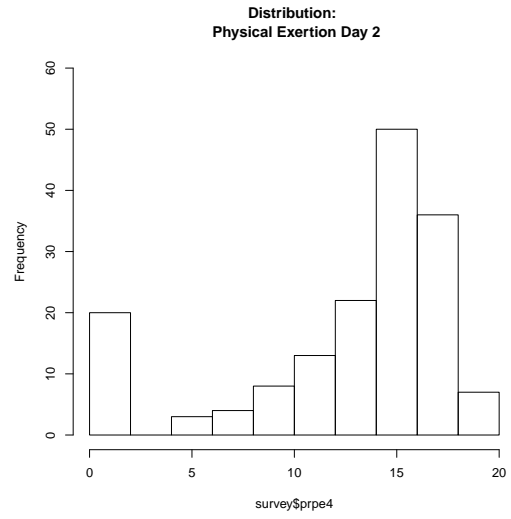
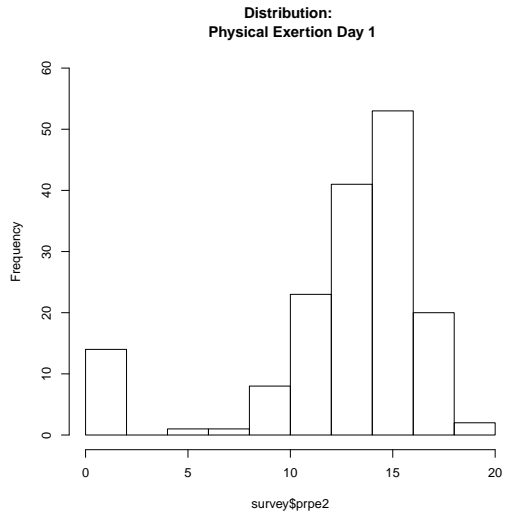












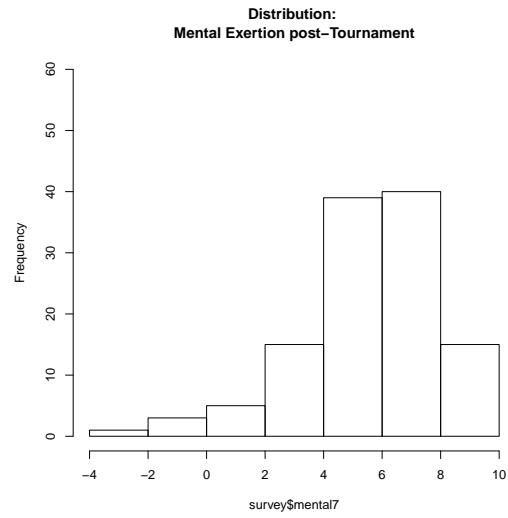
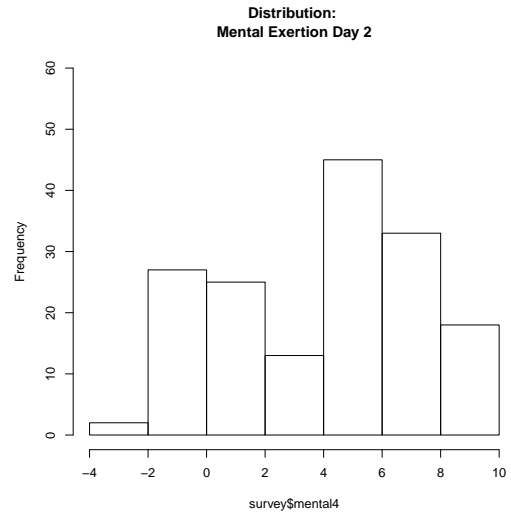
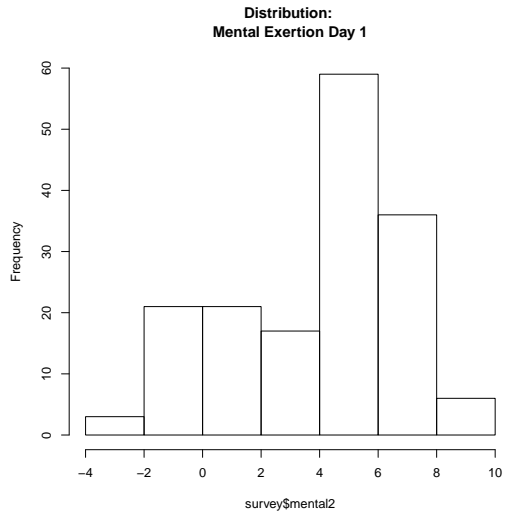


Table 47: Team Click Day 1 predicted by game result

	<i>Dependent variable:</i>		
	unspokenUnderstanding2	generalAtmosphere2	clickPictorial2
	(1)	(2)	(3)
Constant	51.53*** (2.91)	61.03*** (3.46)	3.16*** (0.16)
result2	9.60** (4.15)	10.09** (4.94)	0.59** (0.23)
Observations	161	161	161
R <sup>2</sup>	0.03	0.03	0.04
Adjusted R <sup>2</sup>	0.03	0.02	0.03
Residual Std. Error (df = 159)	26.32	31.34	1.47
F Statistic (df = 1; 159)	5.36**	4.17**	6.44**
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01	

Table 48: Team Click Day 2 predicted by game result Day 2

	<i>Dependent variable:</i>		
	unspokenUnderstanding4	generalAtmosphere4	clickPictorial4
	(1)	(2)	(3)
Constant	52.94*** (3.23)	61.42*** (3.67)	3.24*** (0.19)
result4	4.43 (4.64)	5.50 (5.28)	0.23 (0.27)
Observations	161	161	161
R <sup>2</sup>	0.01	0.01	0.005
Adjusted R <sup>2</sup>	-0.001	0.001	-0.001
Residual Std. Error (df = 159)	29.45	33.48	1.69
F Statistic (df = 1; 159)	0.91	1.09	0.77
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01	



Table 49: Social Bonding Day 1 predicted by game result

	<i>Dependent variable:</i>		
	emotionalSupport2	sharedGoal2	fusionPictorialTeam2
	(1)	(2)	(3)
Constant	63.96*** (3.38)	71.02*** (3.34)	3.90*** (0.16)
result2	6.23 (4.82)	10.53** (4.77)	0.34 (0.23)
Observations	161	161	161
R <sup>2</sup>	0.01	0.03	0.01
Adjusted R <sup>2</sup>	0.004	0.02	0.01
Residual Std. Error (df = 159)	30.57	30.27	1.47
F Statistic (df = 1; 159)	1.67	4.87**	2.12
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01	

Table 50: Social Bonding Day 2 predicted by game result Day 2

	<i>Dependent variable:</i>		
	emotionalSupport4	sharedGoal4	fusionPictorialTeam4
	(1)	(2)	(3)
Constant	67.67*** (3.55)	72.67*** (3.87)	3.88*** (0.19)
result4	0.19 (5.10)	-1.98 (5.56)	-0.07 (0.27)
Observations	161	161	161
R <sup>2</sup>	0.0000	0.001	0.0005
Adjusted R <sup>2</sup>	-0.01	-0.01	-0.01
Residual Std. Error (df = 159)	32.32	35.29	1.70
F Statistic (df = 1; 159)	0.001	0.13	0.07
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01	

Table 51: Fatigue Day 1 predicted by game result

	<i>Dependent variable:</i>		
	fatigue2	prpe2	mental2
	(1)	(2)	(3)
Constant	52.20*** (3.19)	12.27*** (0.50)	4.30*** (0.31)
result2	-4.23 (4.56)	0.31 (0.72)	-0.46 (0.45)
Observations	161	161	161
R <sup>2</sup>	0.01	0.001	0.01
Adjusted R <sup>2</sup>	-0.001	-0.01	0.0002
Residual Std. Error (df = 159)	28.92	4.55	2.84
F Statistic (df = 1; 159)	0.86	0.19	1.03
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

Table 52: Fatigue Day 2 predicted by game result Day 2

	<i>Dependent variable:</i>		
	fatigue4	prpe4	mental4
	(1)	(2)	(3)
Constant	52.13*** (3.43)	12.51*** (0.61)	3.95*** (0.35)
result4	2.82 (4.93)	0.13 (0.88)	0.33 (0.50)
Observations	161	161	161
R <sup>2</sup>	0.002	0.0001	0.003
Adjusted R <sup>2</sup>	-0.004	-0.01	-0.004
Residual Std. Error (df = 159)	31.24	5.57	3.19
F Statistic (df = 1; 159)	0.33	0.02	0.43
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01		

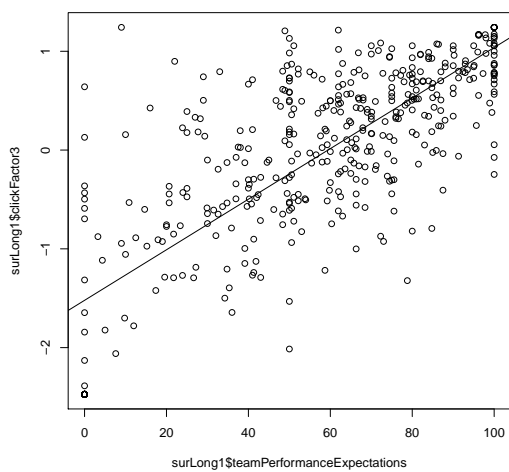
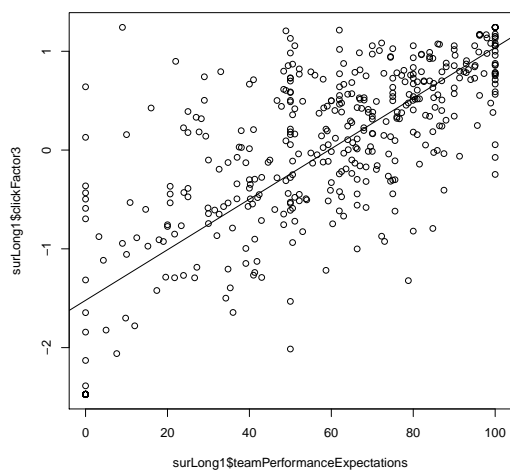
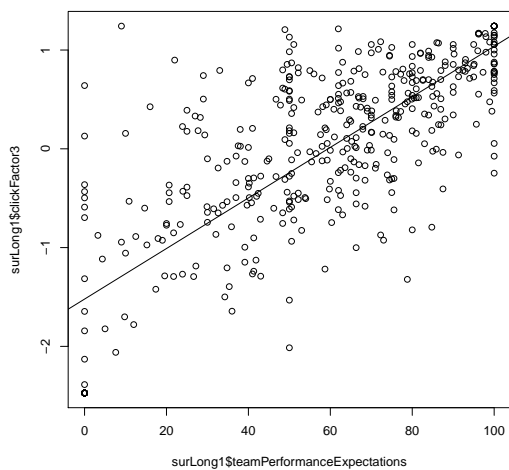
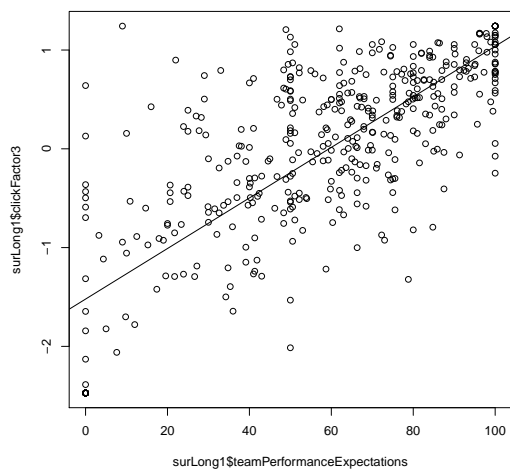
`teamClickTournament ~ teamPerformanceExpectationsTournament`

Table 53: teamClickTournament teamPerformanceExpectationsTournament

	<i>Dependent variable:</i>		
	teamClick		
	(1)	(2)	(3)
(constant)	−0.00 (0.04)	−1.46*** (0.08)	−1.84*** (0.13)
teamPerformanceExpectations		0.02*** (0.001)	0.02*** (0.001)
indPerformanceExpectations			0.004*** (0.001)
objectiveCompetence			0.01 (0.04)
subjectiveCompetence			0.06* (0.04)
finalRank			0.06*** (0.01)
minutesTotal			−0.0002 (0.002)
pointsTotal			0.003 (0.003)
Marginal R-squared	.58	.65	
Conditional R-squared	.67	.72	
Observations	564	444	331
Log Likelihood	−772.35	−412.33	−294.21
Akaike Inf. Crit.	1,552.70	842.67	618.42
Bayesian Inf. Crit.	1,570.04	879.53	675.45
<i>Note:</i> *p<0.1; **p<0.05; ***p<0.01			

Table 54: teamClickTournament teamPerformanceExpectationsTournament

0.05	0.01	0.001
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**socialBondingTournament**  $\sim$  **teamClickTournament**

Table 55: bondingTournament    teamClickTournament

	<i>Dependent variable:</i>		
	teamClick		
	(1)	(2)	(3)
(constant)	−0.00 (0.04)	−1.46*** (0.08)	−1.84*** (0.13)
teamPerformanceExpectations		0.02*** (0.001)	0.02*** (0.001)
indPerformanceExpectations			0.004*** (0.001)
objectiveCompetence			0.01 (0.04)
subjectiveCompetence			0.06* (0.04)
finalRank			0.06*** (0.01)
minutesTotal			−0.0002 (0.002)
pointsTotal			0.003 (0.003)
Marginal R-squared	.47	.49	
Conditional R-squared	.66	.66	
Observations	564	444	331
Log Likelihood	−772.35	−412.33	−294.21
Akaike Inf. Crit.	1,552.70	842.67	618.42
Bayesian Inf. Crit.	1,570.04	879.53	675.45

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

Table 56: bondingTournament    teamClickTournament

0.05	0.01	0.001
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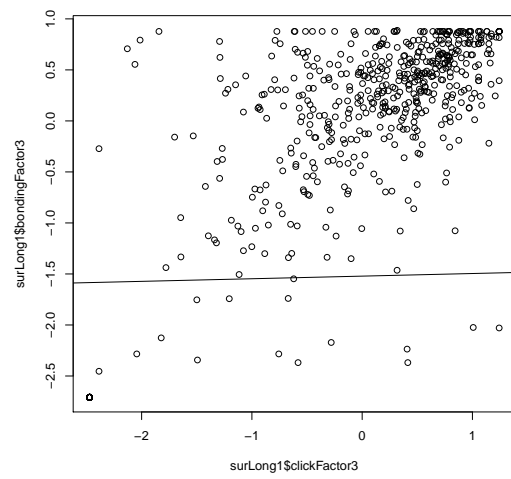
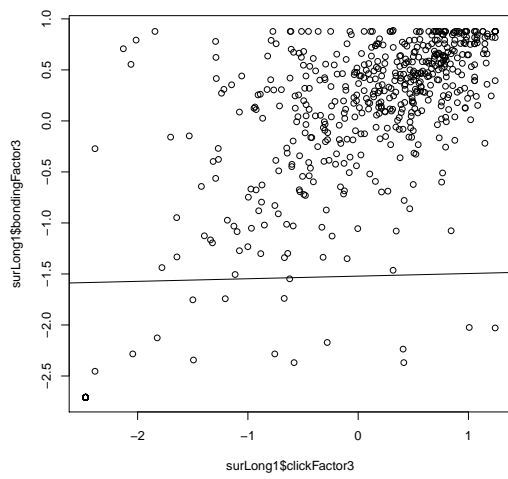
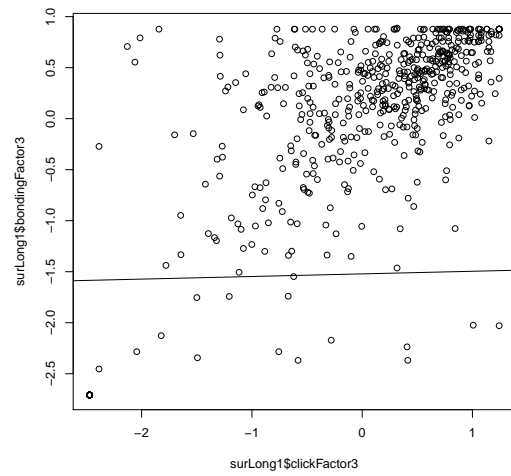
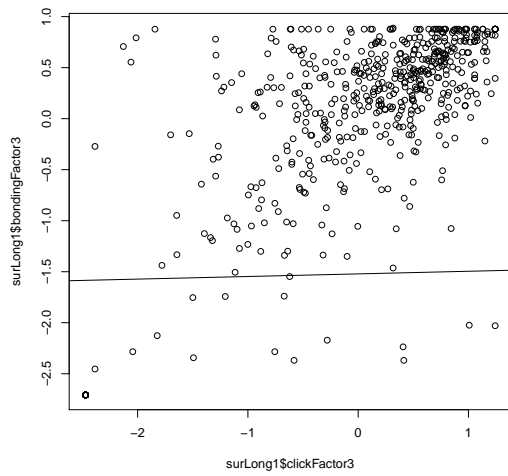
Table 57: Model Adjustment Comparison: bondingTournament teamClickTournament

	<i>Dependent variable:</i>			
	teamClick model (1)	bondingFactor3.LogReturned log-transformed (2)	bondingFactor3.Out outliers removed (3)	bondingFactor3.Out.LogReturned outliers + log-transformed (4)
(constant)	−1.84*** (0.13)	1.62*** (0.02)	0.33*** (0.07)	1.51*** (0.03)
teamPerformanceExpectations	0.02*** (0.001)			
indPerformanceExpectations	0.004** (0.001)			
objectiveCompetence		0.16*** (0.01)	0.32*** (0.04)	0.15*** (0.02)
subjectiveCompetence	0.01 (0.04)	0.005 (0.01)	0.01 (0.02)	0.01 (0.01)
finalRank	0.06 (0.04)	0.01 (0.01)	0.04 (0.02)	0.02* (0.01)
minutesTotal	0.06*** (0.01)	−0.003 (0.003)	−0.005 (0.01)	−0.003 (0.004)
pointsTotal	−0.0002 (0.002)	−0.001 (0.0004)	−0.001 (0.001)	−0.001 (0.001)
pointsTotal	0.003 (0.003)	−0.001 (0.001)	−0.002 (0.002)	−0.001 (0.001)
Marginal R-squared	.49	.50	.23	.23
Conditional R-squared	.66	.61	.35	.34
Shapiro-Wilk Test (p-value)	.92(i.000000000001)	.95(i.000001)	.96(i.00001)	.98(.0002)
Observations	331	449	384	384
Log Likelihood	−294.21	225.33	−174.57	106.77
Akaike Inf. Crit.	618.42	−422.66	377.14	−185.53
Bayesian Inf. Crit.	675.45	−365.17	432.45	−130.22

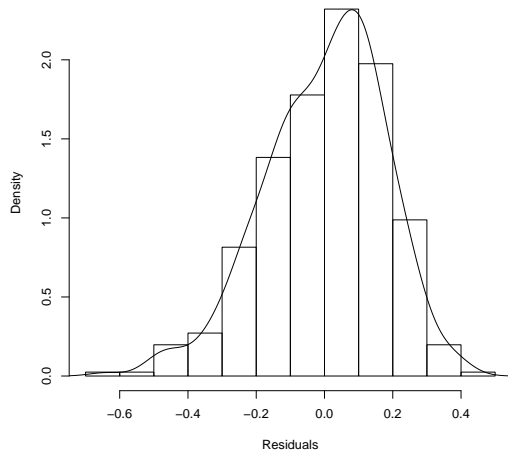
Note:

\*p<0.05; \*\*p<0.01; \*\*\*p<0.001

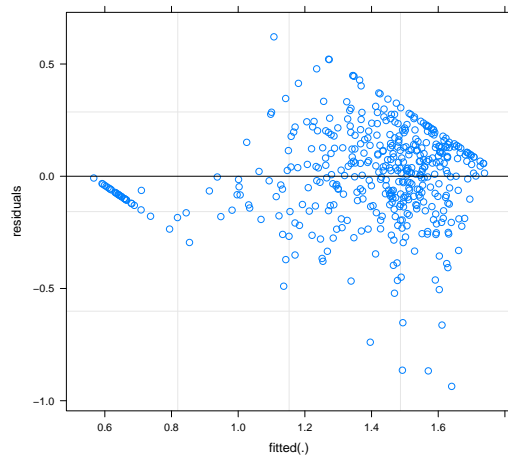




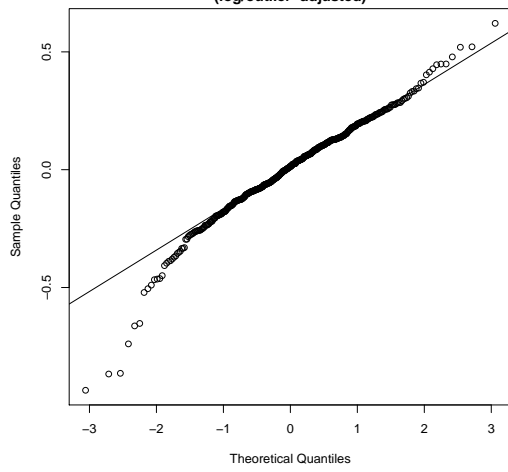
Residuals: M3.1b bondingTournament ~ clickTournament (log/outlier-adjust)



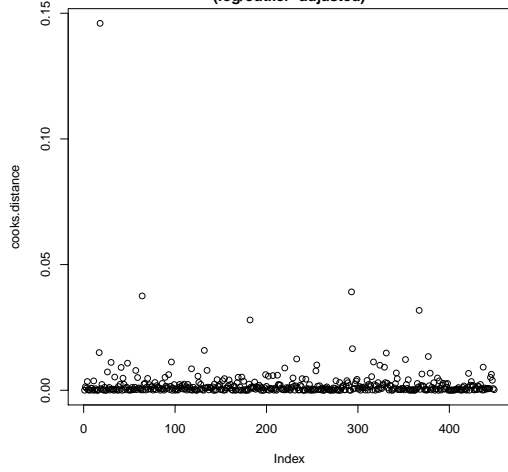
Residuals: M3.1b  
bondingTournament ~ clickTournament  
(log/outlier-adjusted)



Normal Q-Q Plot: M3.1b  
bondingTournament ~ clickTournament  
(log/outlier-adjusted)



Cook's Distance: M3.1b  
bondingTournament ~ clickTournament  
(log/outlier-adjusted)



socialBondingTournament  $\sim$  teamPerformanceExpectationsTournament

Table 58: M3.2a socialBondingTournament teamPerformanceExpectationsTournament

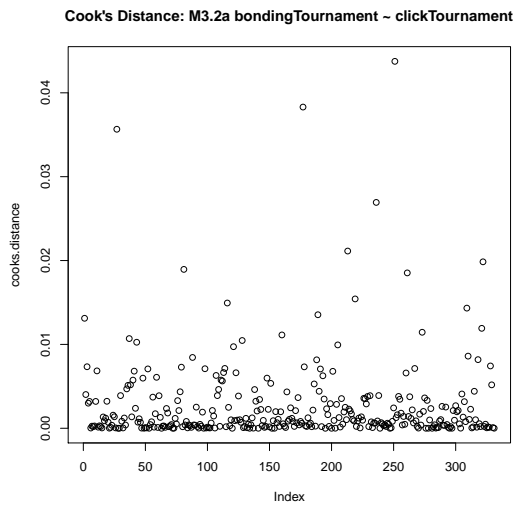
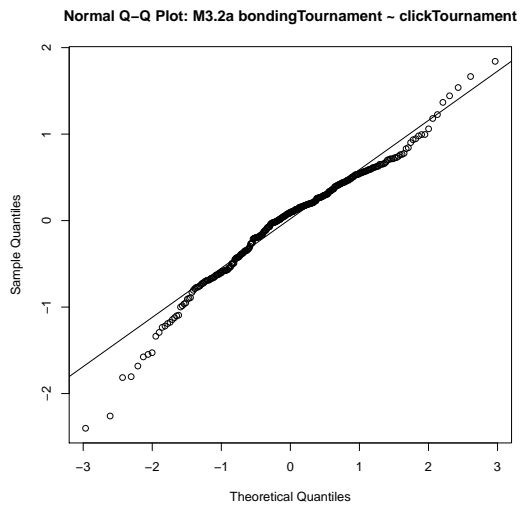
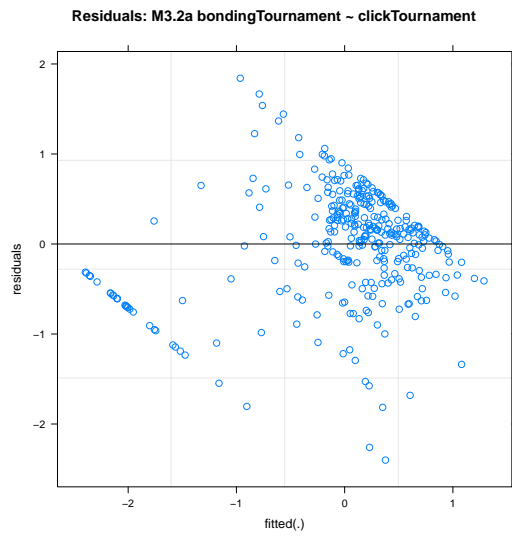
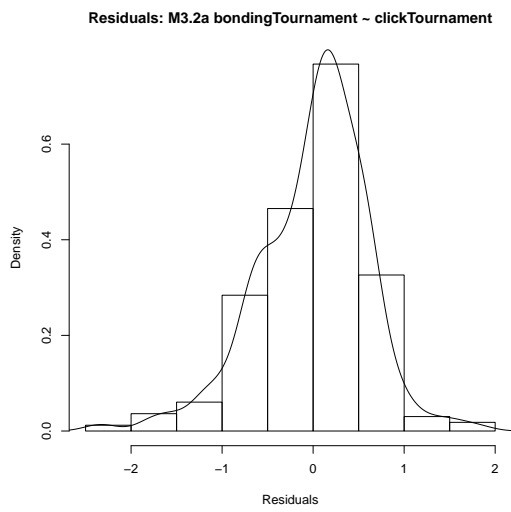
	<i>Dependent variable:</i>		
	teamClick		
	(1)	(2)	(3)
(constant)	0.00 (0.04)	−0.90*** (0.11)	−1.03*** (0.18)
teamPerformanceExpectations		0.02*** (0.002)	0.01*** (0.002)
indPerformanceExpectations			0.005** (0.002)
objectiveCompetence			0.01 (0.05)
subjectiveCompetence			0.08 (0.04)
finalRank			0.04* (0.02)
minutesTotal			−0.003 (0.002)
pointsTotal			0.001 (0.003)
Marginal R-squared		.28	.33
Conditional R-squared		.54	.53
Observations	564	444	331
Log Likelihood	−774.78	−499.08	−373.38
Akaike Inf. Crit.	1,557.56	1,016.15	776.76
Bayesian Inf. Crit.	1,574.90	1,053.02	833.80
<i>Note:</i>	*p<0.05; **p<0.01; ***p<0.001		

Table 59: Model Comparison: M3.2a socialBondingTournament teamPerformance-ExpectationsTournament

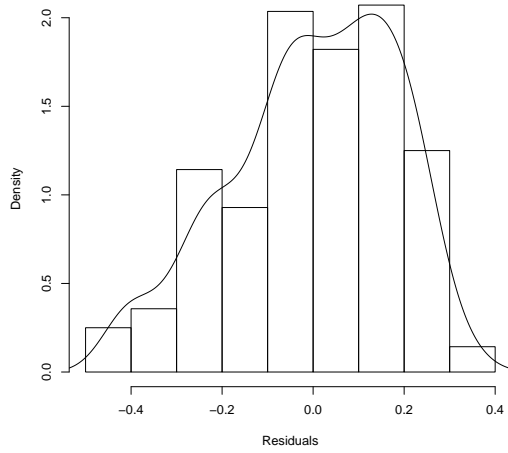
	<i>Dependent variable:</i>		
	socialBonding model	bondingFactor3.LogReturned log-transformed	bondingFactor3.Out.LogReturned outliers+log-transformed
	(1)	(2)	(3)
(constant)	−1.03*** (0.18)	2.00*** (0.06)	1.40*** (0.05)
teamPerformanceExpectations	0.01*** (0.002)	0.002*** (0.001)	0.002*** (0.001)
indPerformanceExpectations	0.005** (0.002)	−0.0000 (0.001)	−0.0001 (0.001)
objectiveCompetence	0.01 (0.05)	−0.003 (0.02)	0.01 (0.01)
subjectiveCompetence	0.08 (0.04)	0.03 (0.01)	0.03* (0.01)
finalRank	0.04* (0.02)	0.01 (0.01)	0.01 (0.01)
minutesTotal	−0.003 (0.002)	−0.001 (0.001)	−0.001 (0.001)
pointsTotal	0.001 (0.003)	0.0003 (0.001)	−0.001 (0.001)
Marginal R-squared	.33	.23	.23
Conditional R-squared	.53	.35	.34
Shapiro-Wilk Test (p-value)	.97(<.00001)	.96(<.00001)	.97(<.00001)
Observations	331	294	280
Log Likelihood	−373.38	21.77	60.27
Akaike Inf. Crit.	776.76	−13.54	−90.54
Bayesian Inf. Crit.	833.80	41.71	−36.01

*Note:*

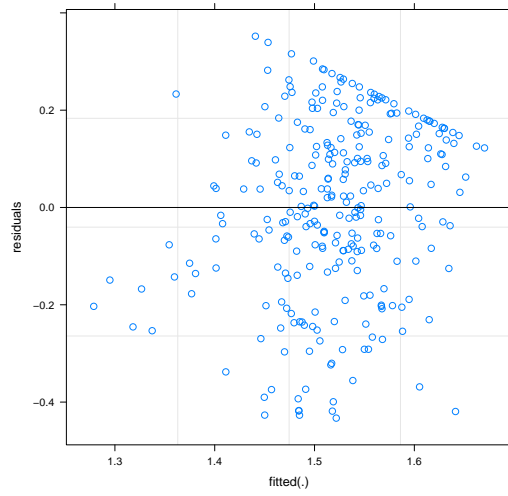
\*p<0.05; \*\*p<0.01; \*\*\*p<0.001



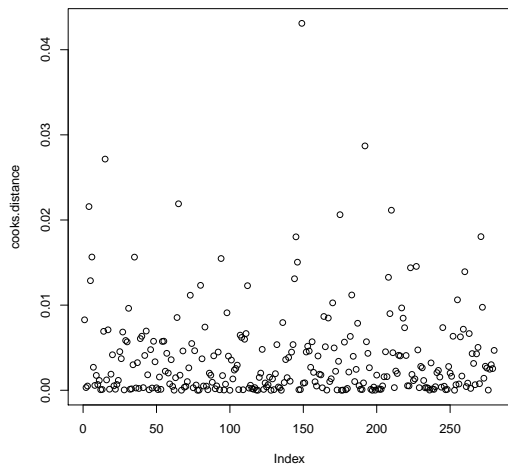
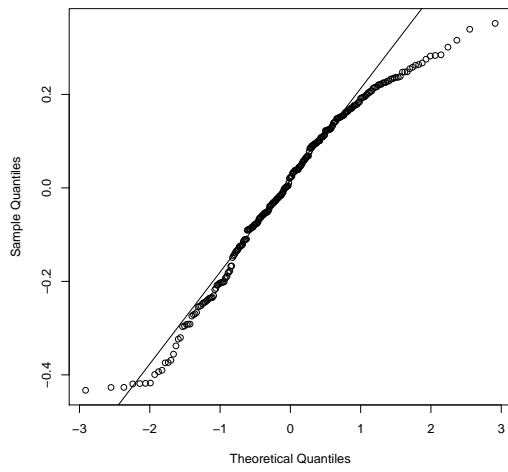
Residuals: M3.2a bondingTournament ~ clickTournament (log/outlier-adjusted)



esiduals: M3.2a bondingTournament ~ clickTournament (log/outlier-adjusted)



rmal Q-Q Plot: M3.2a bondingTournament ~ clickTournament (log/outlier-adjusted) Cook's Distance: M3.2a bondingTournament ~ clickTournament (log/outlier-adjusted)



$$\text{socialBonding} \sim \text{teamPerformanceExpectationsTournament} \times \text{teamClickTournament}$$

Table 60: M3.3a socialBondingTournament teamPerformanceExpectationsTournament\*teamClickTournament

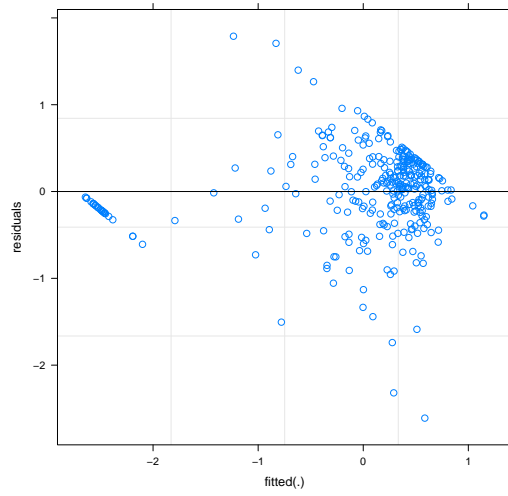
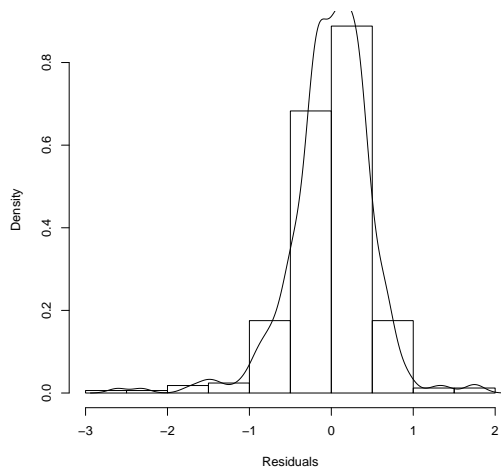
	<i>Dependent variable:</i>		
	model	log-transformed	outliers+log-transformed
	(1)	(2)	(3)
(constant)	0.28 (0.16)	1.65*** (0.04)	1.51*** (0.06)
teamPerformanceExpectations	−0.0000 (0.002)	−0.0002 (0.0004)	−0.001 (0.001)
indPerformanceExpectations	1.02*** (0.06)	0.22*** (0.02)	0.33*** (0.02)
objectiveCompetence	0.001 (0.001)	0.0002 (0.0004)	0.0003 (0.001)
subjectiveCompetence	0.002 (0.04)	0.003 (0.01)	0.01 (0.02)
finalRank	0.05 (0.04)	0.01 (0.01)	0.02 (0.01)
minutesTotal	0.005 (0.01)	0.001 (0.004)	0.002 (0.01)
pointsTotal	−0.003 (0.002)	−0.001 (0.0005)	−0.001 (0.001)
pointsTotal	0.002 (0.003)	0.0003 (0.001)	0.0004 (0.001)
teamPerformanceExpectations:clickFactor3	−0.01*** (0.001)	−0.002*** (0.0003)	−0.002*** (0.0004)
Marginal R-squared	.68	.28	.23
Conditional R-squared	.73	.36	.28
Shapiro-Wilk Test (p-value)	.93(<.00001)	.99(.02)	.99(.14)
Observations	331	331	331
Log Likelihood	−279.94	175.00	23.69
Akaike Inf. Crit.	593.89	−316.00	−13.37
Bayesian Inf. Crit.	658.52	−251.36	51.26

Note:

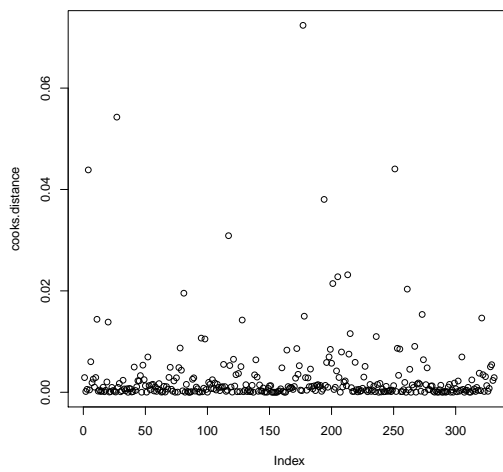
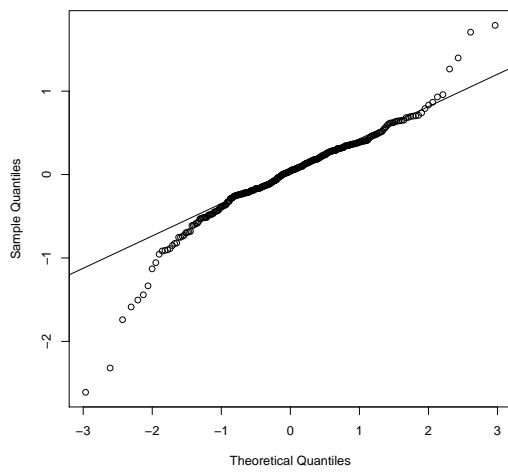
\*p<0.05; \*\*p<0.01; \*\*\*p<0.001



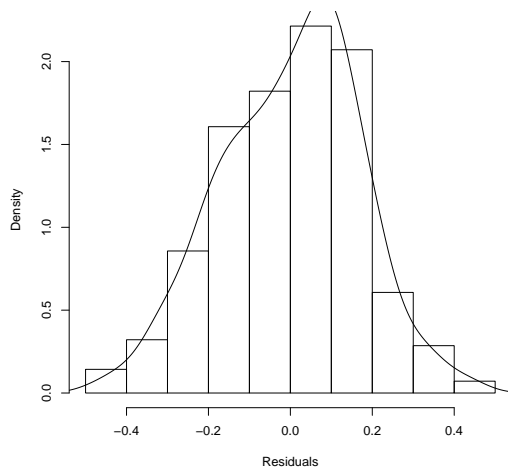
13.3a bondingTournament ~ teamPerformanceExpectationsTournament\*click  
 : M3.3a bondingTournament ~ teamPerformanceExpectationsTournament\*cli



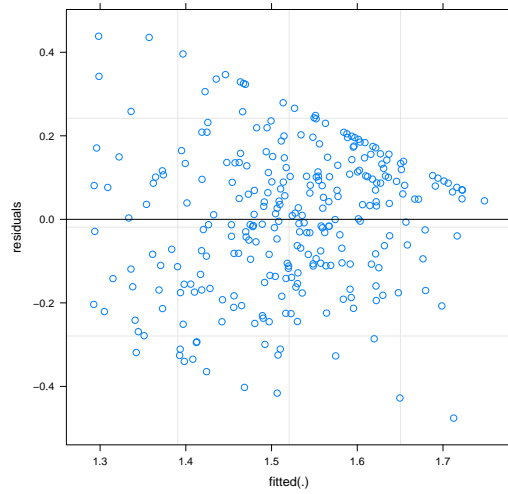
plot: M3.3a bondingTournament ~ teamPerformanceExpectationsTournament ice: M3.3a bondingTournament ~ teamPerformanceExpectationsTournament



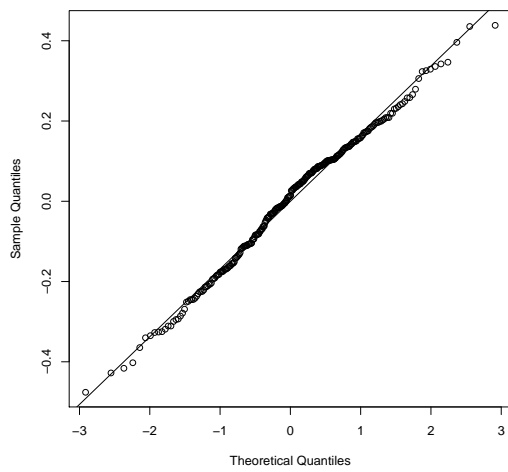
Residuals: M3.3a bondingTournament ~ clickTournament (log/outlier-adjusted)



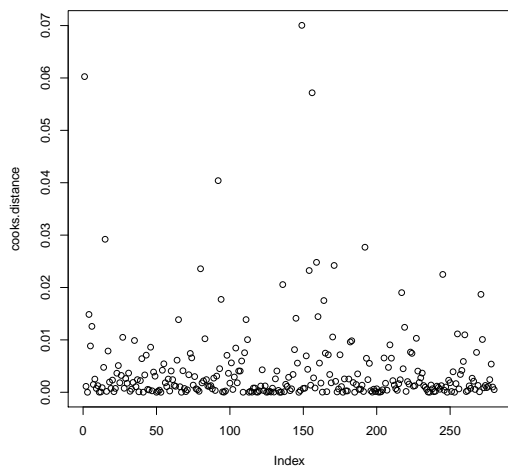
Residuals: M3.3a bondingTournament ~ clickTournament (log/outlier-adjusted)



Normal Q-Q Plot: M3.3a bondingTournament ~ clickTournament (log/outlier-adjusted)



Cook's Distance: M3.3a bondingTournament ~ clickTournament (log/outlier-adjusted)



Mediation Analysis: teamPerformanceExpectationsTournament →  
teamClickTournament → socialBondingTournament

**M3.4a Mediation Analysis teamPerformanceExp → teamCLick → socialBon**

