Discussion Section University of Oxford

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Almost all movement in this particular sporting context is generated in coordination with teammates or against opponents. The coordination of movement with others—"joint-action"—requires individuals to generate predictions that rely on the commitment of teammates (and opponents) to more or less the same action. Successful coordination of group-specific joint-action generates mutual commitment between teammates over time, as individuals' predictions about movement depend for their accuracy on the participation of others.

Table 1: df2latex

Variable	n	mean	sd	min	max	skew	krtss
yearsTeam	120	3.17	2.12	0	7	0.29	-1.25
trainingAge	120	4.40	2.35	0	13	0.47	0.66
startingAvg	172	0.61	0.36	0	1	-0.43	-1.32
age	121	21.67	3.26	16	32	0.52	-0.27
abilityTeammatesBaseline	120	19.45	20.14	-40	50	-0.31	-0.56
abilityChineseProsBaseline	120	15.78	19.59	-35	50	-0.18	-0.65
ability International Pros Baseline	120	18.46	26.19	-44	50	-0.48	-0.77
team Ability Chinese Provinces Baseline	120	22.48	22.90	-40	50	-0.64	-0.58

Table 2: df2latex

Variable	- 10	moon	sd	min	100 O 7 F	skew	krtss
	n	mean	sa	mın	max	skew	
indPerformance7	118	56.36	23.47	0	100	-0.35	-0.08
passingTech7	118	58.41	24.25	0	100	-0.79	0.05
supportAttack7	118	62.62	22.70	0	100	-0.98	0.64
indDefense7	118	57.64	23.57	0	100	-0.55	-0.11
effectContact7	118	62.15	24.81	0	100	-0.97	0.40
decisionAttack7	118	61.22	21.43	0	100	-0.72	0.37
teamPerformance7	118	64.36	23.61	0	100	-0.52	-0.30
teamDefense7	118	62.42	22.50	0	100	-0.52	-0.52
teamAttack7	118	65.33	20.26	0	100	-0.53	-0.23
teamSupportPlay7	118	65.75	19.72	0	100	-0.76	0.57
team Communication 7	118	65.25	21.26	0	100	-0.65	0.27

Table 3: df2latex

Variable	n	mean	sd	min	max	skew	krtss
unspokenUnderstanding7	118	72.72	19.95	0	100	-1.38	2.13
generalAtmosphere7	118	78.45	21.34	0	100	-1.51	2.82
clickPictorial7	118	3.93	1.04	1	5	-0.78	0.00
reliabilityOfOthers7	118	68.00	23.09	0	100	-1.33	1.75
reliabilityForOthers7	118	63.45	25.80	0	100	-1.06	0.51
abilityExtended7	118	72.25	19.27	0	100	-1.13	2.03

Table 4: df2latex

Variable	n	mean	sd	min	max	skew	krtss
emotionalSupport7	118	79.67	18.84	0.00	100	-1.74	4.37
sharedGoal7	118	86.00	15.56	29.00	100	-1.38	2.24
groupId7	118	4.29	0.67	1.50	5	-1.18	1.66
fusionVerbal7	118	4.00	0.71	1.43	5	-0.86	0.99
fusion Pictorial Team 7	118	4.33	1.19	0.00	5	-2.45	6.07

Table 5: df2latex

Variable	n	mean	sd	min	max	skew	krtss
fatigue7	118	69.27	21.24	0	100	-1.13	1.40
prpe7	118	14.97	2.66	6	20	-0.80	0.49
mental7	118	6.08	2.47	-4	10	-1.13	1.82
injury7	118	76.14	26.91	0	100	-1.19	0.60

Table 6: df2latex

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

Table 7: Post Tournament Variables Correlation Matrix

	objective Competence Factor	${\it subjective Competence Factor}$	indPerformance7	ind Performance Components Factor Post	teamPerformance7	team Performance Components Factor
objectiveCompetenceFactor	1	-0.146	0.065	0.319	-0.128	-0.150
subjectiveCompetenceFactor	-0.146	1	-0.086	0.125	-0.067	0.044
indPerformance7	0.065	-0.086	1	0.411	0.454	0.285
indPerformanceComponentsFactorPost	0.319	0.125	0.411	1	0.411	0.490
teamPerformance7	-0.128	-0.067	0.454	0.411	1	0.709
teamPerformanceComponentsFactorPost	-0.150	0.044	0.285	0.490	0.709	1
clickPostFactor	0.011	0.145	0.226	0.414	0.570	0.686
bondingPostFactor	0.017	0.195	0.180	0.273	0.314	0.404
fatiguePostFactor	0.084	-0.045	0.221	0.245	0.204	0.202

Table 8: Tournament Performance Correlation Matrix

	finalRank	totalWL	pointsTotal	minutesTotal	startingAvg
finalRank	1	0.901	0.381	0.062	0.055
totalWL	0.901	1	0.428	0.129	0.089
pointsTotal	0.381	0.428	1	0.404	0.067
\min utes $Total$	0.062	0.129	0.404	1	-0.038
startingAvg	0.055	0.089	0.067	-0.038	1

Table 9: df2latex

Variable	n	mean	sd	min	max	skew	krtss
teamPerformanceFactorPrePost	238	0	0.96	-3.06	1.66	-0.96	1.00
ind Performance Factor Pre Post	238	0	0.95	-3.00	1.62	-1.05	0.95
clickFactorPrePost1	238	0	0.92	-3.93	1.41	-1.43	2.92
bondingFactorPrePost	238	0	0.91	-4.07	1.06	-1.65	3.22
fatigueFactorPrePost	281	0	0.94	-2.83	1.61	-1.34	1.94

Table 10: Correlation Matix of Pre-post Tournament Factors

team Performance Factor Pre Post	ind Performance Factor Pre Post
1	0.623
0.623	1
0.695	0.500
0.511	0.243
0.024	-0.011
	1 0.623 0.695 0.511

 ${\it Table~11:~teamClick~~jointActionSuccess}$

	Depe	endent varia	ıble:
		teamClick	
	(1)	(2)	(3)
(constant)	-0.04	0.02	-0.45^{*}
	(0.15)	(0.07)	(0.24)
jointActionSuccess		0.65***	0.67***
		(0.10)	(0.11)
individualComponentPerformance			-0.03
			(0.09)
objectiveCompetence			0.05
•			(0.08)
subjectiveCompetence			0.11
v			(0.07)
finalRank			0.02
			(0.04)
minutesTotal			0.01*
			(0.003)
totalWL			0.005
			(0.01)
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<0.1;	**p<0.05; *	**p<0.01

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 ${\bf Table~12:~team Click~~team Performance Expectations}$

	<i>Dep</i>	pendent vari	able:
		teamClick	
	(1)	(2)	(3)
(constant)	0.26*** (0.07)	-1.36^{***} (0.36)	-2.05^{***} (0.64)
team Performance Expectations		0.02^{***} (0.005)	0.02*** (0.01)
individual Performance Expectations			0.002 (0.003)
objectiveCompetence			0.01 (0.09)
subjectiveCompetence			0.12 (0.07)
finalRank			0.06 (0.11)
minutesTotal			0.004 (0.004)
totalWL			0.01 (0.08)
pointsTotal			0.001 (0.01)
Observations	118	118	97
Log Likelihood	-122.50	-128.22	-102.80
Akaike Inf. Crit.	255.00	268.43	231.60
Bayesian Inf. Crit.	268.85	285.06	265.07
Note:	*n<0	1· **n<0.05·	***n/0.01

 ${\it Table~13:~teamClick~~jointActionSuccess~* teamPerformanceExpectations}$

	Dependent variable:
	teamClick
(constant)	-1.19**
	(0.50)
teamPerformanceExpectations	0.49**
•	(0.24)
individualPerformanceExpectations	0.01
	(0.004)
objectiveCompetence	-0.01
	(0.09)
subjectiveCompetence	-0.001
	(0.003)
finalRank	0.07
	(0.08)
minutesTotal	0.11
	(0.07)
totalWL	0.10
	(0.09)
pointsTotal	0.01
	(0.003)
m totalWL	-0.07
	(0.06)
pointsTotal	0.01
	(0.01)
teamPerformanceComponentsFactorPost:teamPerformance7	0.001
7	(0.003)
Observations	97
Log Likelihood	-90.79
Akaike Inf. Crit.	213.57
Bayesian Inf. Crit.	254.77

Table 14: socialBonding teamCLick

	Dependent variable: socialBonding		
	(1)	(2)	(3)
(constant)	0.30***	-0.0002	-0.35
`	(0.07)	(0.07)	(0.44)
teamClick		0.64***	0.68***
		(0.08)	(0.08)
objectiveCompetence			0.05
			(0.08)
subjectiveCompetence			0.11
, and the second			(0.07)
finalRank			0.12
			(0.09)
minutesTotal			-0.004
			(0.004)
totalWL			-0.10
00001112			(0.06)
pointsTotal			-0.0004
Politios Formi			(0.01)
Observations	118	118	97
Log Likelihood	-128.64	-118.76	-96.77
Akaike Inf. Crit.	267.27	249.53	217.53
Bayesian Inf. Crit.	281.13	266.15	248.43
Note:	*p<0.1	: **p<0.05;	***p<0.01

^{&#}x27;p<0.1; **p<0.05; ***p<0.01

 ${\it Table~15:~social Bonding~~joint Action Success}$

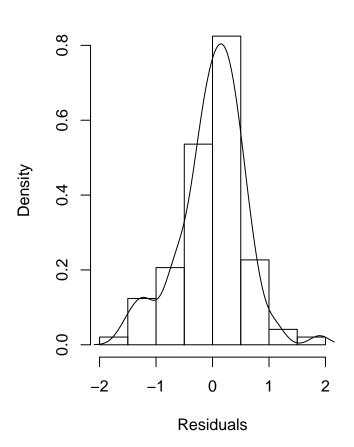
	Dependent variable:
	socialBonding
(constant)	-0.62
(11 11 11 1)	(0.55)
jointActionSuccess	0.46***
,	(0.14)
individualComponenetPerformance	0.06
•	(0.11)
objectiveCompetence	0.07
	(0.10)
subjectiveCompetence	0.18**
•	(0.08)
finalRank	0.11
	(0.12)
minutesTotal	0.001
	(0.004)
otalWL	-0.10
	(0.08)
pointsTotal	0.0004
	(0.01)
Observations	97
Log Likelihood	-112.34
Akaike Inf. Crit.	250.68
Bayesian Inf. Crit.	284.15
Note	*n/0.1·**n/0.05·***n/

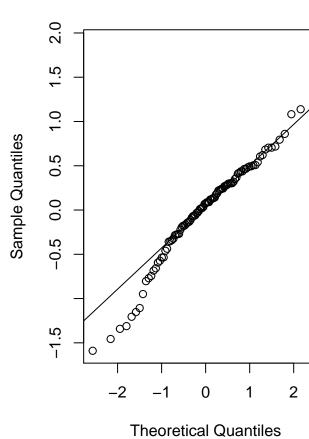
 ${\bf Table~16:~social Bonding~~team Performance Expectations}$

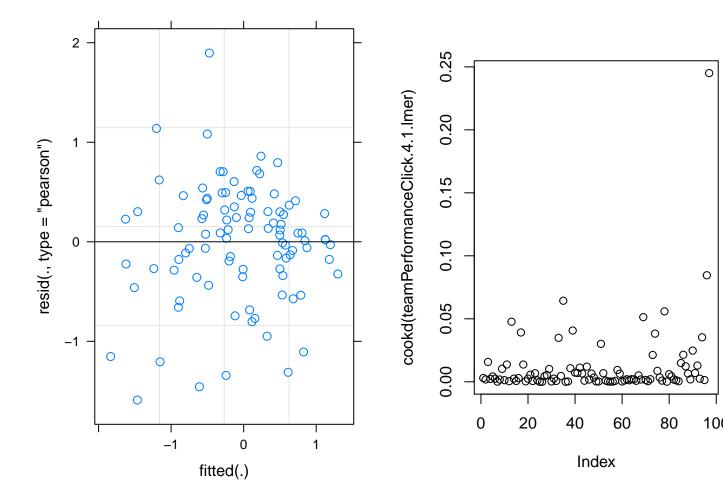
	Dependent variable:
	socialBonding
(constant)	-1.67**
(11 11 11 1)	(0.73)
teamPerformanceExpectations	0.01**
	(0.01)
individualPerformanceExpectations	0.004
•	(0.004)
objectiveCompetence	0.03
	(0.10)
subjectiveCompetence	0.19**
-	(0.09)
finalRank	0.08
	(0.13)
minutesTotal	0.0003
	(0.004)
totalWL	-0.04
	(0.09)
pointsTotal	-0.001
	(0.01)
Observations	97
Log Likelihood	-117.26
Akaike Inf. Crit.	260.52
Bayesian Inf. Crit.	293.99
N7 - 4	* <0 1. ** <0 05. ***

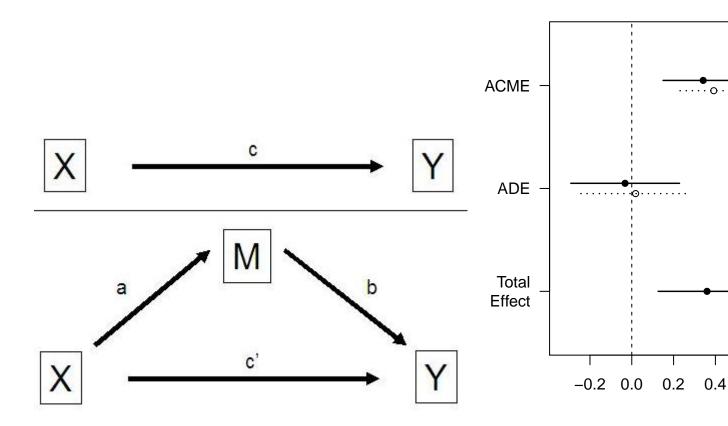
ty of Residuals for teamClick ~ jointActio

Normal Q-Q Plot









$$ind = ab + \sigma_{a_jb_j} \quad (EQ:A11)$$

$$Var(ind) = b^2 \sigma_{\hat{a}}^2 + a^2 \sigma_{\hat{b}}^2 + \sigma_{\hat{a}}^2 \sigma_{\hat{b}}^2 + 2ab\sigma_{\hat{a},\hat{b}} + (\sigma_{\hat{a},\hat{b}})^2 + \sigma_{\hat{\sigma}_{a_j,b_j}}^2 \quad (EQ:A14)$$

average total effect

$$tot = ab + \sigma_{a_{j}b_{j}} + c' \quad (EQ : A15)$$

$$Var(ind) = b^{2}\sigma_{\hat{a}}^{2} + a^{2}\sigma_{\hat{b}}^{2} + 2ab\sigma_{\hat{a},\hat{b}} + 2b\sigma_{\hat{a},\hat{c}'} + 2a\sigma_{\hat{b},\hat{c}'} + \sigma_{\hat{\sigma}_{a_{j},b_{j}}}^{2} + \sigma_{\hat{c}'}^{2} + \sigma_{\hat{a}}^{2}\sigma_{hatb}^{2} + (\sigma_{hata,hatb})^{2} \quad (EQ : A18)$$

$$(Y \sim \beta_{0} + \beta_{1}X + \epsilon)$$

 $Y_i \sim \beta_0 + \beta_1 X_i + \beta_2 M_i + \epsilon_i$ blah blah blah (**Keller2014**)