${\bf S1}$ Table. Summary of modifications to LESCA items.

Q	Original	Students	Non-students
19	Beginning a new school	Beginning a new school	Beginning a new work
	experience (beginning college,	experience (beginning	experience
	transferring college etc)	university, transferring	
		university etc)	
21	Academic probation /	No change	Removed
	ineligibility		
22	Being dismissed from dorm or	Being dismissed from halls or	Being asked to vacate
	other residence	other residence	house/home
27	Financial problems concerning	No change	Financial problems
	school		
29	Conflict with room-mate	No change	Conflict within household
36	Suspended from team for	No change	Removed
	non-academic reasons		
49	Being absent from school	Being absent from university	Being absent from work
	(classes) because of	(classes) because of	because of participation in
	participation in sport	participation in sport	sport
61	Major change in level of	No change	Major change in level of
	academic performance (doing		performance at work (doing
	better or worse)		better or worse)
62	Making career decisions	Making career decisions	Making career decisions
	(applying to graduate	(applying for Masters degree,	(applying for Masters degree,
	school,interviewing for jobs,	interviewing for jobs, etc)	interviewing for jobs, etc)
	etc)		

 ${\bf S2}$ Table. All arc strengths greater than ${\bf 0.3}$ included in the first network.

nlebase nlelg_1 1.00 1.00 nlebase nlelg_2 1.00 1.00 nlelg_1 injured_1 1.00 1.00 nlelg_2 injured_2 1.00 1.00 BIS_1 FFFS_1 0.98 0.70 FFFS_1 BIS_1 0.98 0.30 ind_team hours 0.94 0.50 nlebase RI_1 0.84 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.57 1.00 nlelg_1 BIS_2 0.71 1.00 pi stiffness_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_1 nlelg_2 0.52 1.00 injured_2	from	to	strength	direction
nlebase nlelg_2 1.00 1.00 nlelg_1 injured_1 1.00 1.00 nlelg_2 injured_2 1.00 1.00 BIS_1 FFFS_1 0.98 0.70 FFFS_1 BIS_1 0.98 0.30 ind_team hours 0.94 0.50 hours ind_team 0.94 0.50 nlebase RI_1 0.84 1.00 nlebase RI_1 0.84 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.71 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 </td <td>nlebase</td> <td>nlelg 1</td> <td>_</td> <td>1.00</td>	nlebase	nlelg 1	_	1.00
nlelg_2 injured_2 1.00 1.00 BIS_1 FFFS_1 0.98 0.70 FFFS_1 BIS_1 0.98 0.30 ind_team hours 0.94 0.50 hours ind_team 0.94 0.50 nlebase RI_1 0.84 1.00 ind_team nlebase 0.78 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.29 gender stiffness_1 0.71 1.00 pi stiffness_1 0.57 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 0.46 0.36 stiffness_1	nlebase		1.00	1.00
BIS_1 FFFS_1 0.98 0.70 FFFS_1 BIS_1 0.98 0.30 ind_team hours 0.94 0.50 hours ind_team 0.94 0.50 nlebase RI_1 0.84 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.57 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.93 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 0.46 0.66 34 stiffness_2 0.46 0.64 36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 feFF	nlelg_1	injured_1	1.00	1.00
BIS_1 FFFS_1 0.98 0.70 FFFS_1 BIS_1 0.98 0.30 ind_team hours 0.94 0.50 hours ind_team 0.94 0.50 nlebase RI_1 0.84 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.57 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.93 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 0.46 0.66 34 stiffness_2 0.46 0.64 36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 feFF	nlelg_2	injured_2	1.00	1.00
FFFS_1 BIS_1 0.98 0.30 ind_team hours 0.94 0.50 hours ind_team 0.94 0.50 nlebase RI_1 0.84 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.57 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.97 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 0.46 0.66 stiffness_2 0.46 0.36 stiffness_1 0.46 0.36	BIS 1		0.98	0.70
ind_team hours 0.94 0.50 hours ind_team 0.94 0.50 nlebase RI_1 0.84 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.57 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.36 stiffness_2 injured_2 0.46 0.34 injured_1 stifness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00			0.98	0.30
nlebase RI_1 0.84 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.57 1.00 pi stiffness_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_2 0.43 1.00 ferfs_1 injured_1 0.46 0.64 gender stiffness_1 0.40 0.4	ind_team	hours	0.94	0.50
ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.71 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.34 injured_1 1.46 0.64 34 gender stiffness_2 0.43 1.00 FFFS_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 hry_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 <td>hours</td> <td>ind_team</td> <td>0.94</td> <td>0.50</td>	hours	ind_team	0.94	0.50
BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.71 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_2 injured_1 0.42 1.00 hours stiffness_2 0.43 1.00 heless_1 0.42 1.00	nlebase	RI_1	0.84	1.00
BIS_2 FFFS_2 0.74 0.71 FFFS_2 BIS_2 0.74 0.29 gender stiffness_1 0.71 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_1 injured_1 0.46 0.36 stiffness_2 injured_1 0.42 1.00 hours stiffness_2 0.43 1.00 heless_1 0.42 1.00	ind_team	nlebase	0.78	1.00
gender stiffness_1 0.71 1.00 pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 pinjured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.04 <		FFFS_2	0.74	0.71
pi stiffness_1 0.57 1.00 nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stifness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 0.40 1.00 hrv_1 0.40 1.00 hrv_1 0.40 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 0.37 0.96	FFFS_2	BIS_2	0.74	0.29
nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_2 0.42 1.00 nlebase hrv_1 0.40 1.00 promer FFFS_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 0.89 nlelg_2 0.37 0.89 nlelg_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.11 pi nlelg_2	gender	stiffness_1	0.71	1.00
nlelg_1 BIS_1 0.55 0.97 BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_2 0.42 1.00 nlebase hrv_1 0.41 1.00 nlebase hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 0.89 nlelg_2 0.37 0.89 nlelg_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.11 pi nlelg_2	pi	stiffness_1	0.57	1.00
BIS_1 nlelg_1 0.55 0.03 FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 nlebase hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 0.89 nlelg_2 0.37 0.96 BIS_2 0.37 0.96 BIS_2 0.37 0.04 hrv_2 injured_2 0.36 </td <td></td> <td>BIS_1</td> <td></td> <td></td>		BIS_1		
FFFS_1 BIS_2 0.52 1.00 clevel balance_1 0.47 1.00 injured_2 stiffness_2 0.46 0.66 stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 hours injured_1 0.42 1.00 nlebase hrv_1 0.40 1.00 hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 0.09 nlelg_2 hrv_2 0.37 0.89 nlelg_2 nlelg_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.36 1.00		nlelg_1		0.03
injured_2 stiffness_2 0.46 0.66 stiffness_1 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 0.89 nlelg_2 0.37 0.89 nlelg_2 0.37 0.96 BIS_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.0	FFFS_1			1.00
stiffness_2 injured_2 0.46 0.34 injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 injured_2 0.37 0.89 nlelg_2 0.37 0.89 nlelg_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 <td>clevel</td> <td>balance_1</td> <td>0.47</td> <td>1.00</td>	clevel	balance_1	0.47	1.00
injured_1 stiffness_1 0.46 0.36 stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.30 inj	injured_2	stiffness_2	0.46	0.66
stiffness_1 injured_1 0.46 0.64 gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 clevel RI_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 0.36 0.30 injured_2 0.34	stiffness_2	injured_2	0.46	0.34
gender stiffness_2 0.43 1.00 FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 clevel RI_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 0.36 0.	injured 1		0.46	0.36
FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 clevel RI_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_1 0.33 0.22 balance_1 0.33	stiffness_1	injured_1	0.46	0.64
FFFS_1 injured_2 0.42 1.00 hours injured_1 0.42 1.00 clevel RI_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_1 0.33 0.22 balance_1 0.33	gender	stiffness_2	0.43	1.00
clevel RI_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.22 balance_1<		injured_2	0.42	1.00
clevel RI_2 0.42 1.00 nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.22 balance_1<	hours	injured_1	0.42	1.00
nlebase hrv_1 0.41 1.00 hours hrv_1 0.40 1.00 hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender<	clevel	RI_2	0.42	1.00
hrv_1 nlelg_2 0.39 1.00 gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50	nlebase		0.41	1.00
gender FFFS_1 0.37 1.00 injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50	hours		0.40	1.00
injured_2 hrv_2 0.37 0.89 nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50	hrv_1	nlelg_2	0.39	1.00
nlelg_2 BIS_2 0.37 0.96 BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50	gender	FFFS_1	0.37	1.00
BIS_2 nlelg_2 0.37 0.04 hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	injured_2	hrv_2	0.37	0.89
hrv_2 injured_2 0.37 0.11 pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	nlelg_2	BIS_2	0.37	0.96
pi nlelg_2 0.36 1.00 RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	BIS_2	nlelg_2	0.37	0.04
RI_1 BIS_1 0.36 0.41 BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	hrv_2	injured_2	0.37	0.11
BIS_1 RI_1 0.36 0.59 nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	pi	nlelg_2	0.36	1.00
nlebase RI_2 0.36 1.00 injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50		BIS_1	0.36	0.41
injured_1 balance_1 0.36 0.70 balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	BIS_1	RI_1	0.36	0.59
balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	nlebase	_	0.36	1.00
balance_1 injured_1 0.36 0.30 injured_2 balance_2 0.34 0.94 balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	injured_1	balance_1	0.36	0.70
balance_2 injured_2 0.34 0.06 RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	balance_1	injured_1	0.36	0.30
RI_1 balance_1 0.33 0.22 balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	injured_2	balance_2	0.34	0.94
balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	balance_2	injured_2		0.06
balance_1 RI_1 0.33 0.78 gender FFFS_2 0.33 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50	RI_1	balance_1	0.33	0.22
pi clevel 0.32 0.50 clevel pi 0.32 0.50	balance_1			0.78
clevel pi 0.32 0.50	gender	FFFS_2	0.33	1.00
	pi	clevel	0.32	0.50
ind_team FFFS_1 0.31 1.00	clevel	pi	0.32	0.50
	ind_team	FFFS_1	0.31	1.00

S2 Table continued

from	to	strength	direction
BIS_1	FFFS_2	0.31	1.00
pi	ind_team	0.30	0.46
ind_team	pi	0.30	0.54

 ${\bf S3}$ Table. All arc strengths greater than ${\bf 0.3}$ included in the second network.

from	to	strength	direction
BIS	FFFS	1.00	0.76
FFFS	BIS	1.00	0.25
hours	injured	0.72	1.00
injured	stiffness	0.67	1.00
clevel	BIS	0.60	1.00
hrv	FFFS	0.58	0.69
FFFS	hrv	0.58	0.31
gender	stiffness	0.56	1.00
injured	nlec	0.45	1.00
pi	balance	0.43	1.00
pi	injured	0.38	1.00
stiffness	BIS	0.38	0.93
BIS	stiffness	0.38	0.07
RI	BIS	0.35	0.29
BIS	RI	0.35	0.71
pi	hrv	0.33	1.00

S4 Table. Probabilities of injury conditional on the variables in the Markov blanket for injured_1.

	1 1	1	11 4	.· m = 4	1 1 4
prob	clevel	hours	nlelg_1	stiffness_1	balance_1
0.53	club_university_county	High	Low	High	High
0.46	national_international	High	Low	High	Low
0.44	national_international	High	Low	High	High
0.39	club_university_county	Low	High	High	High
0.37	club_university_county	High	Low	High	Low
0.32	national_international	Low	High	High	Low
0.32	club_university_county	High	High	High	High
0.31	club_university_county	High	High	Low	High
0.3	national_international	Low	High	High	High
0.29	club_university_county	Low	High	Low	High
0.25	national_international	High	High	High	Low
0.25	national_international	High	High	Low	Low
0.25	club_university_county	Low	High	High	Low
0.24	national_international	High	High	Low	High
0.24	national_international	High	High	High	High
0.24	national_international	Low	High	Low	Low
0.22	national_international	Low	High	Low	High
0.19	club_university_county	High	High	Low	Low
0.19	club_university_county	High	High	High	Low
0.18	club_university_county	Low	High	Low	Low
0.17	club_university_county	Low	Low	High	High
0.16	club_university_county	High	Low	Low	High
0.13	national_international	Low	Low	High	Low
0.12	national_international	High	Low	Low	Low
0.12	national_international	Low	Low	High	High
0.12	national_international	High	Low	Low	High
0.09	club_university_county	Low	Low	High	Low
0.09	club_university_county	High	Low	Low	Low
0.07	club_university_county	Low	Low	Low	High
0.06	national_international	Low	Low	Low	Low
0.05	national_international	Low	Low	Low	High
0.04	club_university_county	Low	Low	Low	Low

S5 Table. Probabilities of injury conditional on the variables in the Markov blanket for injured $_2$.

prob	FFFS_1	nlelg_2	stiffness_2	hrv_2	balance_2
0.53	Low	Low	High	Low	High
0.46	Low	High	High	Low	High
0.41	Low	Low	High	High	High
0.39	Low	Low	High	Low	Low
0.35	Low	High	High	High	High
0.33	Low	High	High	Low	Low
0.32	Low	Low	Low	Low	High
0.28	Low	Low	High	High	Low
0.26	Low	High	Low	Low	High
0.25	High	Low	High	Low	High
0.23	Low	High	High	High	Low
0.23	Low	Low	Low	High	High
0.22	High	High	High	Low	High
0.21	Low	Low	Low	Low	Low
0.18	Low	High	Low	High	High
0.17	High	Low	High	High	High
0.17	Low	High	Low	Low	Low
0.16	High	Low	High	Low	Low
0.15	High	High	High	High	High
0.14	Low	Low	Low	High	Low
0.13	High	High	High	Low	Low
0.13	High	Low	Low	Low	High
0.11	Low	High	Low	High	Low
0.11	High	High	Low	Low	High
0.11	High	Low	High	High	Low
0.09	High	High	High	High	Low
0.08	High	Low	Low	High	High
0.08	High	Low	Low	Low	Low
0.07	High	High	Low	High	High
0.06	High	High	Low	Low	Low
0.05	High	Low	Low	High	Low
0.04	High	High	Low	High	Low

S6 Table. Highest and lowest probability of injury, conditional on the all variables in the Markov blanket for "injured".

Probability	hours	pi	nle	stiffness
0.77	High	injury	+1SD	+1SD
0.74	High	no injury	+1SD	+1SD
0.72	Low	injury	+1SD	+1SD
0.70	High	injury	+1SD	mean
0.69	High	injury	+1SD	-1SD
0.68	High	no injury	+1SD	mean
0.66	High	no injury	+1SD	-1SD
0.65	Low	injury	+1SD	mean
0.64	Low	injury	+1SD	-1SD
0.61	High	injury	mean	+1SD
0.58	High	no injury	mean	+1SD
0.54	Low	injury	mean	+1SD
0.54	High	injury	mean	mean
0.51	High	injury	-1SD	+1SD
0.51	High	injury	mean	-1SD
0.50	High	no injury	mean	mean
0.48	High	no injury	mean	-1SD
0.48	Low	injury	mean	mean
0.47	High	no injury	-1SD	+1SD
0.46	Low	injury	mean	-1SD
0.44	Low	injury	-1SD	+1SD
0.44	High	injury	-1SD	mean
0.42	High	injury	-1SD	-1SD
0.41	High	no injury	-1SD	mean
0.38	High	no injury	-1SD	-1SD
0.37	Low	no injury	+1SD	+1SD
0.37	Low	injury	-1SD	mean
0.35	Low	injury	-1SD	-1SD
0.32	Low	no injury	+1SD	mean
0.29	Low	no injury	+1SD	-1SD
0.20	Low	no injury	mean	+1SD
0.18	Low	no injury	mean	mean
0.16	Low	no injury	mean	-1SD
0.15	Low	no injury	-1SD	+1SD
0.13	Low	no injury	-1SD	mean
0.11	Low	no injury	-1SD	-1SD