Supplimentary materials

${\bf S1}$ 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 0.69 FFFS_1 BIS_1 0.98 0.31 ind_team hours 0.95 0.49 nlebase RI_1 0.83 1.00 ind_team nlebase 0.78 1.00 BIS_2 FFFS_2 0.74 0.70 FFFS_2 BIS_2 0.74 0.30 gender stiffness_1 0.67 1.00 gender stiffness_2 0.63 1.00 gender stiffness_2 0.63 1.00 gender stiffness_2 0.63 1.00 gender stiffness_2 0.63 1.00 gender stiffness_2 0.43 1.00 pinjured_1 0.50 1.00 pinj	from	to	strength	direction
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clevel RI_2 0.42 1.00 pi nlelg_2 0.41 1.00 nlelg_2 BIS_2 0.41 0.97 BIS_2 nlelg_2 0.41 0.03 gender FFFS_1 0.38 1.00 nlebase rmsd_1 0.38 1.00 nlebase RI_2 0.36 1.00 RI_1 BIS_1 0.36 0.45 BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 0.50 clevel pi 0.32 0.50 BIS_1 </td <td>FFFS_1</td> <td>injured_2</td> <td>0.44</td> <td>1.00</td>	FFFS_1	injured_2	0.44	1.00
pi nlelg_2 0.41 1.00 nlelg_2 BIS_2 0.41 0.97 BIS_2 nlelg_2 0.41 0.03 gender FFFS_1 0.38 1.00 nlebase rmssd_1 0.38 1.00 nlebase RI_2 0.36 1.00 RI_1 BIS_1 0.36 0.45 BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 BI	hours	injured_1	0.43	1.00
nlelg_2 BIS_2 0.41 0.97 BIS_2 nlelg_2 0.41 0.03 gender FFFS_1 0.38 1.00 nlebase rmssd_1 0.38 1.00 nlebase RI_2 0.36 1.00 RI_1 BIS_1 0.36 0.45 BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	clevel	RI_2	0.42	1.00
BIS_2 nlelg_2 0.41 0.03 gender FFFS_1 0.38 1.00 nlebase rmssd_1 0.38 1.00 nlebase RI_2 0.36 1.00 RI_1 BIS_1 0.36 0.45 BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	pi	nlelg_2	0.41	1.00
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nlebase rmssd_1 0.38 1.00 nlebase RI_2 0.36 1.00 RI_1 BIS_1 0.36 0.45 BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_1 0.34 0.71 balance_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	BIS_2	nlelg_2	0.41	0.03
nlebase RI_2 0.36 1.00 RI_1 BIS_1 0.36 0.45 BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	gender	FFFS_1	0.38	1.00
RI_1 BIS_1 0.36 0.45 BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	nlebase		0.38	1.00
BIS_1 RI_1 0.36 0.55 injured_2 balance_2 0.35 0.95 balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	nlebase	RI_2	0.36	1.00
injured_2 balance_2 0.35 0.95 balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 0.50 clevel pi 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00		BIS_1	0.36	0.45
balance_2 injured_2 0.35 0.05 injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	BIS_1	RI_1	0.36	0.55
injured_1 balance_1 0.34 0.71 balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	· —			0.95
balance_1 injured_1 0.34 0.29 gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	balance_2	injured_2		0.05
gender FFFS_2 0.34 1.00 injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	injured_1	balance_1	0.34	0.71
injured_2 rmssd_2 0.32 0.78 rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	balance_1	injured_1	0.34	0.29
rmssd_2 injured_2 0.32 0.22 pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	gender		0.34	1.00
pi stiffness_2 0.32 1.00 ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	injured_2	rmssd_2		0.78
ind_team FFFS_1 0.32 1.00 pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	rmssd_2			0.22
pi clevel 0.32 0.50 clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	pi	stiffness_2		1.00
clevel pi 0.32 0.50 BIS_1 FFFS_2 0.31 1.00	ind_team	FFFS_1	0.32	1.00
BIS_1 FFFS_2 0.31 1.00	pi	clevel	0.32	0.50
			0.32	0.50
pi ind_team 0.31 0.45	BIS_1	FFFS_2	0.31	1.00
	pi	ind_team	0.31	0.45

S3 Table continued

from	to	strength	direction
ind_team	pi	0.31	0.55
RI_1	balance_1	0.31	0.20
balance_1	RI_1	0.31	0.80

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

from	to	strength	direction
BIS	FFFS	1.00	0.75
FFFS	BIS	1.00	0.25
hours	injured	0.72	1.00
rmssd	FFFS	0.66	0.69
FFFS	rmssd	0.66	0.31
injured	stiffness	0.65	1.00
clevel	BIS	0.60	1.00
gender	stiffness	0.57	1.00
injured	nlec	0.45	1.00
pi	balance	0.43	1.00
pi	injured	0.38	1.00
RI	BIS	0.35	0.31
BIS	RI	0.35	0.69
pi	rmssd	0.34	1.00

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

prob	clevel	hours	nlelg_1	stiffness 1	balance 1
$\frac{1000}{0.53}$	club_university_county	High	Low	High	High
$\frac{0.35}{0.46}$	national international	_	Low	High	Low
	national_international	High	Low		
0.44		High Low		High	High
0.39			High	High	High
0.37	club_university_county	High	Low	High	Low
0.34	club_university_county	High	High	High	High
0.32	national_international	Low	High	High	Low
0.3	national_international	Low	High	High	High
0.29	club_university_county	Low	High	Low	High
0.29	club_university_county	High	High	Low	High
0.27	national_international	High	High	High	Low
0.26	national_international	High	High	High	High
0.25	club_university_county	Low	High	High	Low
0.24	national_international	Low	High	Low	Low
0.23	national_international	High	High	Low	Low
0.22	national_international	Low	High	Low	High
0.22	national_international	High	High	Low	High
0.21	club_university_county	High	High	High	Low
0.18	club_university_county	Low	High	Low	Low
0.18	club_university_county	High	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.

	DDDC 1	11 0	1:m 9	1.0	1 1 0
prob	FFFS_1	nlelg_2	stiffness_2	rmssd_2	balance_2
0.51	Low	Low	High	Low	High
0.44	Low	High	High	Low	High
0.42	Low	Low	High	High	High
0.38	Low	Low	High	Low	Low
0.35	Low	High	High	High	High
0.31	Low	High	High	Low	Low
0.31	Low	Low	Low	Low	High
0.30	Low	Low	High	High	Low
0.27	Low	High	Low	Low	High
0.24	High	Low	High	Low	High
0.24	Low	Low	Low	High	High
0.24	Low	High	High	High	Low
0.20	Low	High	Low	High	High
0.20	Low	Low	Low	Low	Low
0.20	High	High	High	Low	High
0.18	High	Low	High	High	High
0.17	Low	High	Low	Low	Low
0.15	High	Low	High	Low	Low
0.15	Low	Low	Low	High	Low
0.15	High	High	High	High	High
0.13	Low	High	Low	High	Low
0.12	High	High	High	Low	Low
0.12	High	Low	Low	Low	High
0.11	High	Low	High	High	Low
0.11	High	High	Low	Low	High
0.09	High	High	High	High	Low
0.09	High	Low	Low	High	High
0.08	High	High	Low	High	High
0.07	High	Low	Low	Low	Low
0.07	High	High	Low	Low	Low
0.05	High	Low	Low	High	Low
0.05	High	High	Low	High	Low