

**Table A1: Latent-class cluster model of competitiveness-Parameter estimates**

Questions	Cluster1		Cluster2		Cluster3		p-value
Cluster membership probabilities							
	Pr(1)	62%	Pr(2)	20%	Pr(3)	18%	0.00
$\alpha_{q c}$ parameters							
Comp1	$\alpha_{11}$	-0.20	$\alpha_{12}$	1.26	$\alpha_{13}$	-1.06	0.00
Comp2	$\alpha_{21}$	-0.10	$\alpha_{22}$	-0.57	$\alpha_{23}$	0.67	0.00
Comp3	$\alpha_{31}$	0.42	$\alpha_{32}$	-2.09	$\alpha_{33}$	1.66	0.00
Comp4	$\alpha_{41}$	0.02	$\alpha_{42}$	-1.48	$\alpha_{43}$	1.46	0.00
Comp5	$\alpha_{51}$	-0.07	$\alpha_{52}$	-0.51	$\alpha_{53}$	0.58	0.00
$\mu_{sq}$ parameters							
Comp1	"Competition destroys friendships"						
	1	$\mu_{11}$	-0.83				0.00
	2	$\mu_{21}$	0.64				
	3	$\mu_{31}$	1.02				
	4	$\mu_{41}$	0.29				
	5	$\mu_{51}$	-1.12				
Comp2	"Games with no ... winners ... boring"						
	1	$\mu_{12}$	0.13				0.00
	2	$\mu_{22}$	0.19				
	3	$\mu_{32}$	0.22				
	4	$\mu_{42}$	-0.25				
	5	$\mu_{52}$	-0.29				
Comp3	"I enjoy competing with others"						
	1	$\mu_{13}$	0.89				0.00
	2	$\mu_{23}$	2.15				
	3	$\mu_{33}$	0.71				
	4	$\mu_{43}$	-0.67				
	5	$\mu_{53}$	-3.07				
Comp4	"... rides ... opportunity to compete ..."						
	1	$\mu_{14}$	-1.72				0.00
	2	$\mu_{24}$	0.64				
	3	$\mu_{34}$	0.90				
	4	$\mu_{44}$	0.62				
	5	$\mu_{54}$	-0.44				
Comp5							
	never raced	$\mu_{15}$	-1.02				0.00
	1 race	$\mu_{25}$	-1.69				
	2-3 races	$\mu_{35}$	-0.08				
	4-5 races	$\mu_{45}$	0.32				
	6 or more	$\mu_{55}$	2.47				

(cont. next table)

**Table A1 (cont.): Latent-class cluster model of competitiveness: parameter estimates**

	Comp1	Comp2	Comp3	Comp4	Comp5
	$\Upsilon_{qq'}$ parameters*				
Comp1					
Comp2	$\Upsilon_{12}$	0.27			
Comp3	$\Upsilon_{13}$	-	$\Upsilon_{23}$	-	
Comp4	$\Upsilon_{14}$	-	$\Upsilon_{24}$	-	$\Upsilon_{34}$
Comp5	$\Upsilon_{15}$	0.11	$\Upsilon_{25}$	-0.07	$\Upsilon_{35}$ -0.32 $\Upsilon_{45}$ -0.26

(\* all the  $p=0$ )

**Table A2 Latent-class cluster model of competitiveness** - Estimated probabilities of being in cluster c, if, c.p., one chooses category s to question q\*

	Comp Cl1	Comp Cl2 Highly competitive	Comp Cl3 Not competitive
Cluster Size	62%	20%	18%
<b>Competition</b>			
Comp1	"Competition destroys friendships"		
1**	48%	2%	50%
2	51%	1%	48%
3	68%	4%	28%
4	71%	15%	14%
5	51%	44%	6%
Comp2	"Games with no ... winners ... boring"		
1	52%	43%	5%
2	57%	40%	3%
3	69%	21%	10%
4	69%	18%	13%
5	58%	17%	25%
Comp3	"I enjoy competing with others"		
1	39%	58%	3%
2	79%	10%	11%
3	69%	0%	30%
4	38%	0%	62%
5	23%	0%	77%
Comp4	"... rides ... opportunity to compete ..."		
1	32%	68%	1%
2	64%	34%	2%
3	81%	9%	10%
4	65%	2%	33%
5	35%	0%	64%
Comp5			
never raced	63%	17%	20%
1 race	61%	22%	17%
2-3 races	62%	22%	16%
4-5 races	59%	23%	18%
6 or more	57%	30%	13%

\*For each category, for each question, responses across classes sum to one

\*\* 1=definitely agree, 2=somewhat agree, 3=nether agree nor disagree,  
4=somewhat disagree, 5=definitely disagree

**Table A3 Latent-class cluster model of sensation-seeking - Estimated probabilities**

of being in cluster c, if, c.p., one chooses category s to question q\*

	Sensation C11	Sensation C12	Sensation C13		Sensation C11	Sensation C12	Sensation C13
		Sensation- seekers	Cautious	Class Size		Sensation- seekers	Cautious
Cluster Size	58%	28%	14%		58%	28%	14%
<b>Sensation</b>				<b>Sensation</b>			
Sensation1	"Unpredictability ... life enjoy."			Sensation5	"... smooth descent... or at limits..."		
1**	28%	70%	1%	0	63%	15%	23%
2	76%	16%	8%	1	54%	40%	6%
3	66%	2%	32%				
4	46%	0%	54%				
5	21%	0%	79%				
Sensation2	"I like ... frightening"			Sensation6	"I love to go fast..."		
1	20%	80%	0%	1	53%	42%	6%
2	88%	6%	7%	2	67%	17%	15%
3	58%	0%	42%	3	62%	8%	29%
4	19%	0%	81%	4	48%	5%	47%
5	6%	0%	94%	5	50%	9%	42%
Sensation3	"I like ... even if I get lost"			Sensation7	"I worry about crashes or injuries"		
1	45%	52%	3%	1	55%	19%	26%
2	78%	8%	14%	2	62%	24%	14%
3	62%	3%	36%	3	62%	28%	10%
4	39%	0%	61%	4	53%	41%	6%
5	16%	0%	84%	5	40%	55%	6%
Sensation4	"I rarely... time... planning ..."			Sensation8	"Riding alone frightens me"		
1	38%	57%	4%	1	56%	24%	20%
2	59%	33%	8%	2	59%	22%	19%
3	62%	24%	13%	3	64%	21%	15%
4	62%	22%	16%	4	61%	24%	14%
5	55%	22%	23%	5	54%	35%	11%

\*For each category, for each question, responses across classes sum to one

\*\* 1=definitely agree, 2=somewhat agree, 3=nether agree nor disagree,

4=somewhat disagree, 5=definitely disagree

**Table A4 Latent-class cluster model of extroversion/introversion - Estimated probabilities**

of being in cluster *c*, if, c.p., one chooses category *s* to question *q*\*

	Extrov Cl1	Extrov Cl2	Extrov Cl3
		Extraverts	Introverts
Cluster Size	76%	14%	11%
<b>Extroversion</b>			
Extroversion1	"One only needs a few ... friends"		
1	62%	0%	37%
2	88%	1%	11%
3	91%	7%	2%
4	72%	28%	0%
5	34%	66%	0%
Extroversion2	"I have a wide circle of ... friends"		
1	52%	48%	1%
2	89%	9%	2%
3	91%	1%	9%
4	74%	0%	26%
5	50%	0%	50%
Extroversion3	"I try to avoid arguments and ..."		
1	68%	17%	15%
2	78%	11%	11%
3	77%	15%	8%
4	81%	12%	7%
5	0.7728	0.1337	0.0934
Extroversion4	"... rides ... opp. enjoy ... friends"		
1	74%	20%	5%
2	80%	9%	11%
3	76%	4%	20%
4	64%	2%	34%
5	61%	2%	37%
Extroversion5	"How often do you socialize off the bike"		
Never	74%	5%	20%
Occasionally	77%	9%	13%
Moderately	76%	14%	9%
Quite often	74%	19%	7%

\*For each category, for each question, responses across classes sum to one

\*\* 1=definitely agree, 2=somewhat agree, 3=nether agree nor disagree,  
4=somewhat disagree, 5=definitely disagree

Table A5: Estimated probability of being in behavioral class c if, c.p., one chooses level k of an attribute

	Class_b1	Class_b2	Class_b3		Class_b1	Class_b2	Class_b3
Overall	27%	58%	15%	Overall	27%	58%	15%
single (%)				back5			
0-17	23%	72%	6%	0	28%	59%	12%
20-40	25%	66%	9%	1	25%	56%	18%
50	28%	60%	13%	back2			
60-66	29%	56%	16%	0	28%	65%	7%
100	30%	43%	27%	1	26%	49%	25%
trail (miles)				front2			
7	2%	80%	18%	0	35%	58%	7%
14	6%	76%	18%	1	14%	58%	27%
21	15%	68%	17%	front5			
35	53%	36%	11%	0	24%	64%	12%
climbs (n)				1	32%	49%	19%
0	18%	60%	22%	front10			
1	22%	60%	18%	0	31%	60%	10%
2	26%	59%	15%	1	19%	54%	27%
4	35%	56%	10%	Most competitive			
grade (%)				0	27%	59%	14%
0	17%	83%	0%	1	30%	48%	22%
0.9-1.3	19%	81%	0%	Not competitive			
1.8-3.6	23%	77%	0%	0	27%	57%	15%
5.4	34%	66%	0%	1	27%	67%	6%
9.0-13.0	41%	33%	26%	Introverted			
solo				0	27%	59%	15%
0	28%	59%	13%	1	47%	31%	22%
1	26%	55%	20%	Sensation-seekers			
back10				0	26%	61%	13%
0	31%	58%	11%	1	31%	48%	21%
1	19%	59%	23%	Cautious			
				0	28%	57%	15%
				1	18%	73%	9%

For each level of each attribute the columns sum to one