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“Evidence of risky health behavior in online ads for escorts”

Handout for presentation at APHA annual meeting, Session 5199

Wednesday, November 6, 2013: 12:30 pm - 2:00 pm

Table 1.

Factor loadings of advertised items on escorts.com
Ads displayed in February, 2010; n=487

Advertised Item	Latent factor		
	Risky Sexual Behavior	Unconventional Sexual Behavior	Autonomy/ Popularity
Female oral sex	0.933	0.365	0.409
Deep french kissing	0.925	0.286	0.335
Fellatio without condom	0.907	0.236	0.347
Multiple orgasms allowed	0.884	0.454	0.321
Manual stimulation	0.874	0.584	0.359
Vaginal sex and fellatio	0.862	0.642	0.272
Russian (breast sex)	0.785	0.51	0.327
Girlfriend experience	0.781	0.371	0.333
Anal sex	0.672	0.626	0.237
Group sex	0.645	0.623	-0.012
Porn star experience	0.639	0.449	0.256
Dominate	0.319	0.905	0.092
Spanking	0.483	0.902	0.064
Bondage	0.349	0.871	0.064
Sensual domination	0.377	0.861	0.204
Toys	0.663	0.825	0.244
Masturbation	0.684	0.821	0.243
Strap-on	0.544	0.802	0.131
Role playing	0.583	0.791	0.162
Submission	0.435	0.769	0.112
Tantric massage	0.278	0.742	0.273
Inclusion of other females	0.582	0.701	0.273
Watersports (one partner urinates on the other)	0.484	0.697	0.137
Anal oral sex	0.489	0.541	0.21
Number of reviews on profile	0.287	-0.013	0.857
Independent of third-party manager	0.432	0.634	0.862
Escort travels beyond own state	0.373	0.154	0.622
Interview with escort provided	0.441	0.382	0.589
Incall only (escort provides location)	0.487	0.444	0.546
Profile includes a schedule	0.222	0.072	0.465
Profile includes an email address	0.388	0.231	0.398
Escort is managed by an agency	-0.003	-0.126	-0.471

Note: Selected factor loadings are listed in bold and in order of magnitude for each latent factor

Table 2.

**EFA analysis of advertised items on escorts.com:
Between factor correlations**

	Factor One	Factor Two	Factor Three
Factor One	1		
Factor Two	0.4	1	
Factor Three	0.36	0.1	1

Table 3.

**Descriptive statistics:
Effect of age and race on latent
factors in NC escort ads**

	mean	std. dev.
<i>dependent variables</i>		
risky sexual behavior	0.29	0.29
unconventional sexual behavior	0.25	0.28
autonomy/popularity	0.89	1.26
<i>explanatory variables</i>		
age	28.83	7.58
white	0.54	0.00
black	0.16	0.37
race not provided	0.30	0.46
n = 491		

Table 4.

**OLS regression models:
Effect of age and race on latent factors in
NC escort ads**

Ads displayed in February, 2010; n=487

Dependent variable: Risky sexual behavior

<u>explanatory variable</u>	<u>coef.</u>	<u>std. error</u>
age	0.0069***	0.0017
black	-0.0612**	0.0358
race not provided	-0.1380***	0.0292
intercept	0.1378**	0.0544

Dependent variable: Unconventional sexual behavior

<u>explanatory variable</u>	<u>coef.</u>	<u>std. error</u>
age	0.0012	0.0017
black	0.0234	0.0355
race not provided	-0.0729**	0.0289
intercept	0.2327***	0.0539

Dependent variable: Autonomy/popularity

<u>explanatory variable</u>	<u>coef.</u>	<u>std. error</u>
age	0.0573***	0.0071
black	-0.4285	0.1503
race not provided	-0.3765	0.1226
intercept	-0.5725	0.2284

Note: *p<0.10, **p<0.05, ***p<0.01

Race = advertised race; white is reference