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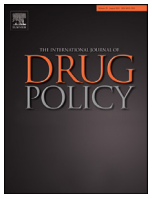

Corrigendum

Corrigendum to 'Uncertainty and risk: A framework for understanding pricing in online drug markets' [International Journal of Drug Policy 101 (2022) 1–13]

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The authors regret that the original article contains errors in the formatting and layout of the Tables 1, 2 and 3, and an unclear sentence in the caption of Table 2. The errors concern only line breaks and indentation in tables, and an unclear sentence. Properly formatted versions of the tables appear below. These errors do not affect the conclusions of the study.

The authors would like to apologise for any inconvenience caused.

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Table 1
Descriptive statistics. Mean, SD, skewness, number of zero-values before log-transformation, and range for continuous variables. Count and percentage for categorical and binary. Log-transformed variables incremented by 1 when containing zero. Note that crack cocaine is not treated as a subclass but as a binary variable. This is to allow differentiation between a cocaine sample and a crack sample.

	Cannabis		Cocaine		Heroin	
	Empire	Silk Road 3.1	Empire	Silk Road 3.1	Empire	Silk Road 3.1
N	43184	6132	23295	7051	9069	2921
log(Price per gram)	2.18	2.18	4.19	4.13	3.94	3.52
	(0.51; -0.36; 0)	(0.52; -0.48; 0)	(0.46; 0.45; 0)	(0.36; 0.30; 0)	(0.86; 0.30; 0)	(0.57; 0.47; 0)
	(-0.42 – 3.98)	(0.45 – 3.89)	(1.11 – 6.31)	(2.07 – 5.76)	(1.13 – 6.91)	(2.08 – 5.48)
log(Weight in grams)	2.76	2.73	1.46	1.60	1.26	1.94
	(1.71; 0.44; 0)	(1.69; 0.55; 0)	(1.74; 0.56; 0)	(1.72; 0.54; 0)	(1.72; 0.34; 0)	(1.80; 0.47; 0)
	(-1.61 – 10.13)	(-0.120 – 9.21)	(-3.91 – 8.01)	(-2.30 – 6.91)	(-2.30 – 6.91)	(-2.30 – 6.91)
log(USD-BTC exchange rate)	9.08 (0.13; -0.83; 0; 8.24 - 9.25)	8.91 (0.41; -0.87; 0; 8.12 - 9.38)	9.08 (0.13; -0.47; 0; 8.24 - 9.25)	8.95 (0.41; -0.47; 0; 8.12 -9.38)	9.08 (0.13; -0.89; 0; 8.24 - 9.25)	9.01 (0.38; -1.31; 0; 8.12 - 9.38)
Inactive item (%)	18615 (43.1)	2634 (43.0)	10861 (46.6)	2667 (37.8)	3735 (41.2)	1292 (44.2)
Subclass (%)						
Afghan					4588 (50.6)	2089 (71.5)
Asian					1237 (13.6)	61 (2.1)
Black Tar (B.T.H.)					626 (6.9)	140 (4.8)
Legal brand	661 (1.5)	27 (0.4)				
Outdoor	1798 (4.2)	182 (3.0)				
Regular	40009 (92.6)	5905 (96.3)	21314 (91.5)	6625 (94.0)	2210 (24.4)	577 (19.8)
Sample/intro/promo	716 (1.7)	18 (0.3)	1133 (4.9)	290 (4.1)	408 (4.5)	54 (1.8)
Social			848 (3.6)	136 (1.9)		
Crack (%)			2546 (10.9)	694 (9.8)		
Escrow (%)						
Finalize early (100%)		1022 (16.7)		2283 (32.4)		945 (32.4)
Finalize early (50%)		563 (9.2)		737 (10.5)		218 (7.5)
Centralized escrow	38335 (88.8)	4547 (74.2)	22390 (96.1)	4031 (57.2)	8959 (98.8)	1758 (60.2)
Multisignature escrow	4849 (11.2)		905 (3.9)		110 (1.2)	
log(Vendor level)		1.85		2.06		2.09
		(0.73; -1.28; 533)		(0.75; -1.47; 504)		(0.66; -1.65; 140)
		(0.00 – 2.94)		(0.00 – 3.00)		(0.00 – 3.00)
log(Vendor trust level)	0.88		0.96		1.00	
	(0.77; -0.02; 0)		(0.78; -0.16; 0)		(0.75; -0.32; 0)	
	(0.00 – 2.30)		(0.00 – 2.20)		(0.00 – 2.08)	
log(Positive seller ratings)	4.50	4.64	4.73	5.24	4.95	5.53
	(1.98; -0.62; 2355)	(2.04; -1.01; 731)	(2.00; -0.65; 1172)	(2.07; -1.13; 496)	(1.75; -0.71; 195)	(1.84; -1.37; 126)
	(0.00 – 9.23)	(0.00 – 8.28)	(0.00 – 9.23)	(0.00 – 8.28)	(0.00 – 8.80)	(0.00 – 7.97)
log(Negative seller ratings)	1.54	0.95	1.82	1.58	2.03	2.18
	(1.35; 0.43; 12955)	(1.03; 0.81; 2714)	(1.40; 0.23; 5199)	(1.28; 0.20; 1933)	(1.35; 0.05; 1385)	(1.37; -0.09; 421)
	(0.00 – 6.12)	(0.00 – 4.23)	(0.00 – 5.51)	(0.00 – 4.46)	(0.00 – 5.33)	(0.00 – 4.64)

Table 2
Overview of observations before and after exclusion criteria were applied. Observations are the absolute number of product observations within a category. Listings are URLs. Vendors and countries are groups used in the analysis (random intercepts). Combinations adjust for the fact that a seller may change the advertised product of a listing (URL). Each is a combination of URL, subclass, weight, and origin country. Outliers are extreme prices that are dropped from the analysis. Missing quantities are products without an associated quantity.

	Cannabis		Cocaine		Heroin	
	Empire	Silk Road 3.1	Empire	Silk Road 3.1	Empire	Silk Road 3.1
Before exclusion						
Observations	46372	9444	24567	8589	9734	3545
Listings	12320	2292	5821	1694	2039	701
Vendors	1031	250	850	277	305	102
Origins	45	24	41	25	22	12
Combinations	12712	2346	6193	1771	2227	727
Outliers	80	71	51	1	5	1
Missing quantities	892	805	308	143	132	40
After exclusion						
Observations	43184	6132	23295	7051	9069	2921
Vendors	1007	234	822	260	287	91
Origins	45	19	40	24	20	9

Table 3
Fixed and random effects of hierarchical linear regression models. A model is estimated for each substance and market. 95% confidence interval, *p*-values based on Wald-tests. The listing level is the *combination* described earlier which is a distinct URL, subclass, quantity, and origin. Note that crack cocaine is not treated as a subclass but as a binary variable. This is to allow differentiation between a cocaine sample and a crack sample. $^{*}p < 0.05$, $^{**}p < 0.01$, $^{***}p < 0.001$.

	Cannabis		Cocaine		Heroin	
	Empire	Silk Road 3.1	Empire	Silk Road 3.1	Empire	Silk Road 3.1
Predictors	*β*	*β*	*β*	*β*	*β*	*β*
Intercept	2.764 ***	2.489 ***	4.819 ***	4.347 ***	4.588 ***	4.249 ***
	(2.684 – 2.845)	(2.371 – 2.607)	(4.664 – 4.974)	(4.234 – 4.459)	(4.234 – 4.942)	(4.003 – 4.496)
log(Weight in grams)	-0.159 ***	-0.171 ***	-0.136 ***	-0.109 ***	-0.156 ***	-0.100 ***
	(-0.172 – -0.147)	(-0.178 – -0.163)	(-0.164 – -0.108)	(-0.129 – -0.090)	(-0.181 – -0.132)	(-0.111 – -0.089)
log(USD-BTC exchange rate)	-0.015 ***	0.003	-0.036 ***	-0.002	-0.036 ***	-0.004
	(-0.022 – -0.009)	(-0.006 – 0.012)	(-0.047 – -0.025)	(-0.006 – 0.003)	(-0.051 – -0.020)	(-0.014 – 0.006)
Inactive item (Reference: Active item)	0.011 ***	0.025 ***	0.011 ***	0.002	0.017 ***	0.009
	(0.008 – 0.013)	(0.017 – 0.033)	(0.007 – 0.015)	(-0.004 – 0.008)	(0.010 – 0.023)	(-0.002 – 0.020)
Subclass (Reference: Regular)						
Legal brand	0.421 ***	0.594 ***				
	(0.385 – 0.458)	(0.415 – 0.772)				
Outdoor	-0.385 ***	-0.369 ***				
	(-0.411 – -0.359)	(-0.432 – -0.305)				
Sample/intro/promo	-0.102 ***	-0.411 ***	-0.096 ***	-0.093 ***	-0.137 ***	-0.224 **
	(-0.133 – -0.070)	(-0.546 – -0.276)	(-0.121 – -0.071)	(-0.137 – -0.048)	(-0.202 – -0.072)	(-0.374 – -0.074)
Social cocaine			-0.508 ***	-0.376 ***		
			(-0.543 – -0.472)	(-0.434 – -0.317)		
Afghan heroin					-0.118 ***	-0.288 ***
					(-0.174 – -0.063)	(-0.388 – -0.188)
Asian heroin					0.315 ***	0.209 *
					(0.240 – 0.390)	(0.037 – 0.381)
Black Tar Heroin (B.T.H.)					-0.127 **	-0.048
					(-0.215 – -0.038)	(-0.226 – 0.130)
Crack (Reference: Cocaine)			0.103 ***	0.069 ***		
			(0.078 – 0.127)	(0.039 – 0.099)		
log(Positive seller ratings)	-0.004	0.006	0.002	0.010 *	0.015 *	-0.005
	(-0.012 – 0.003)	(-0.007 – 0.019)	(-0.004 – 0.009)	(0.000 – 0.020)	(0.002 – 0.029)	(-0.028 – 0.018)
log(Negative seller ratings)	0.010 ***	0.003	0.006 **	-0.007 **	-0.010 **	-0.026 ***
	(0.008 – 0.012)	(-0.005 – 0.010)	(0.002 – 0.010)	(-0.012 – -0.002)	(-0.016 – -0.003)	(-0.035 – -0.017)
log(Trust level)	0.008 ***		0.013 ***		0.011 *	
	(0.004 – 0.012)		(0.007 – 0.020)		(0.000 – 0.021)	
log(Level)		0.011		-0.011 *		-0.004
		(-0.001 – 0.023)		(-0.022 – -0.000)		(-0.023 – 0.015)
Escrow (Reference: Full escrow)						
Multisignature escrow	-0.003		0.025		0.250 *	
	(-0.018 – 0.012)		(-0.029 – 0.079)		(0.059 – 0.441)	
Finalize early (100%)		-0.060 ***		-0.012 **		-0.032 ***
		(-0.081 – -0.039)		(-0.021 – -0.003)		(-0.046 – -0.017)
Finalize early (50%)		-0.011		-0.009 *		0.014
		(-0.023 – 0.001)		(-0.016 – -0.001)		(-0.001 – 0.029)
Random Effects						
Residual Variance	0.002	0.003	0.003	0.002	0.003	0.002
Between-group variance						
Listing	0.039	0.044	0.036	0.025	0.057	0.050
Vendor	0.326	0.189	0.151	0.105	0.300	0.244
Country	0.006	0.006	0.091	0.027	0.455	0.061
Random-slope variance						
Vendor * log(Positive seller ratings)	0.010	0.004	0.004	0.002	0.007	0.005
Country * log(Weight in grams)	0.001		0.005	0.001	0.002	
Slope-intercept correlation						
Vendor	-0.854	-0.779	-0.811	-0.484	-0.776	-0.793
Country	0.492		-0.214	-0.889	-0.905	
ICC	0.988	0.980	0.984	0.987	0.996	0.991
N						
Listings	12412	2117	6069	1721	2181	711
Vendors	1007	234	822	260	287	91
Countries	45	19	40	24	20	9
Observations	43184	6132	23295	7051	9069	2921
Marginal R^2/Conditional R^2	0.306 / 0.992	0.376 / 0.988	0.235 / 0.988	0.212 / 0.990	0.150 / 0.996	0.234 / 0.993

Declarations of Interest

None.