

Appendix A: List of considered markets

Cell properties: **Yellow**: Not in the archive; **Orange**: timeframe too short or data gaps too big; **Blue**: Products are not or only partly categorized; **Grey**: Data gaps too big or no counterfeits were found within the categories; **Green**: market included in analyses

Name	Archived	Data-start	Data-end	Data Categorized?	Notes
Abraxas	Yes	16.12.2014	05.07.2015	Yes	
Acropolis	No	-	-	-	
Agora	Yes	01.01.2014	07.07.2015	Yes	
Alpaca	Yes	24.04.2014	07.11.2014	Partly	
AlphaBay	Yes	21.12.2014	28.01.2017	Yes	
Anarchia	Yes	07.05.2015	05.07.2015	Partly	
Andromeda	Yes	12.04.2014	18.11.2014	Yes	Strong variation on captured listings per scrape
Apple Market	No	-	-	-	
Area51	Yes	22.06.2014	23.01.2015	No	
Black Market	No	-	-	-	
BlackBank Market	Yes	06.02.2014	17.05.2015	Yes	
Blue sky	yes	06.01.2014	28.09.2014	Partly	Several months missing between scrapes
Cloud 9	Yes	11.02.2014	01.11.2014	Yes	
Crypto Market	Yes	19.02.2015	06.07.2015	Yes	Strong variation on captured listings per scrape
Darknet Heroes League	Yes	30.05.2015	04.07.2015	Partly	
Diabolus/SR3	Yes	17.10.2014	05.07.2015	Yes	
Dream Market	Yes	09.01.2014	05.07.2015	Partly	
East India Company	Yes	28.04.2015	05.07.2015	Yes	
Evolution	Yes	21.01.2014	17.03.2015	Yes	
Hansa	No	-	-	-	
House of Lions Market	No	-	-	-	
Hydra	Yes	03.04.2014	27.10.2014	Partly	Counterfeits are not captured in categories
Middle Earth Marketplace	Yes	23.06.2014	05.07.2015	Yes	
Mr Nice Guy 2	Yes	21.02.2015	04.07.2015	-	Cannot inspect data (corrupted)
Nucleus Marketplace	Yes	24.10.2014	07.07.2015	Partly	Most of the scrapes were blocked (no content)
Outlaw Market	Yes	09.01.2014	05.07.2015	Partly	Almost exclusively drugs; newer listings without categorization
Pandora	Yes	25.12.2013	05.11.2014	No	
Pirate market	Yes	25.01.2014	21.09.2014	Yes	Big gaps in the scraped data
RoadSilk	Yes	26.12.2013	15.01.2014	Yes	
Silk Road 2.0	Yes	13.12.2013	06.11.2014	Partly	
Silk Road 3.0	No (see Diabolus)	-	-	-	
Silk Road Reloaded	Yes	18.01.2015	05.07.2015	Yes	No counterfeits found within categories
The Marketplace	Yes	03.01.2014	09.11.2014	Yes	

TheRealDeal	Yes	16.04.2015	05.07.2015	Partly	
Tochka	Yes	05.02.2015	04.07.2015	Partly	
Tom	Yes	05.05.2014	17.12.2014	Partly	2 months of data missing
Topix	No	-	-	-	
Tor Bazaar	Yes	02.02.2014	06.11.2014	Partly	Almost exclusively drugs; Counterfeits not captured in categories
Valhalla	No	-	-	-	

Table 10. List of considered markets; Cell properties: **Yellow**: Not in the archive; **Orange**: timeframe too short or data gaps too big; **Blue**: Products are not or only partly categorized; **Grey**: Data gaps too big or no counterfeits were found within the categories; **Green**: market included in analyses

Appendix B: Categories included for keyword searches:

"Other", "Fraud", "Electronics", "CustomListings", "Miscellaneous", "Accessories", "Fraud Related", "Jewelry", "Weight loss", "Forgeries", "Jewelry", "Listings", "Tobacco", "Market", "Hidden", "Precious metals", "Jewels & Gold", "Other Listings", "Abraxas", "Electronics", "Watches", "Accessories", "Clothing", "Sunglasses", "Cigarettes", "Jewelry", "Collectables", "Tobacco", "Metals Stones".

Appendix C: Synonyms used for keyword search:

"copies", "copy", "counterfeit", "replica", "fake", "clone", "deceit", "deception", "bum", "dummy", "facsimile", "gyp", "hoax", "humbug", "imitation", "imposture", "phony", "pseudo", "put-on", "reproduction", "sham", "simulacrum", "bogus", "junque", "likeness", "miniature", "lookalike", "xerox", "forge", "ditto", "dupe", "mimeo", "reduplication", "replication", "repro", "stat", "forgery", "forged", "spurious", "mock", "false", "unreal", "ungenuine", "falsified".

Appendix D: Synonyms of authentic:

"genuine", "authentic", "real", "valid", "original", "actual", "official".

Appendix E: Keywords used to exclude listings:

"tutorial", "template", "licence", "ID", "refund", "scan", "scans", "COUPONS", "Licence", "License".

Appendix F: Full lists of percentage counterfeits by OECD/EUIPO and IPO

(OECD/EUIPO, 2019)		
Category	Share of custom seizures (%)	Share of seized value (%)
Footwear	22.6	10.45
Clothing, knitted or crocheted	17.00	8.20
Articles of leather	13.55	11.60
Electrical machinery and equipment	12.25	10.75
Watches	5.70	22.75
Optical, photographic and medical instruments	5.15	4.10
Perfumery and cosmetics	3.50	4.95
Toys	2.75	4.65
Jewellery	1.85	5.85
Machinery and mechanical appliances	1.55	0.95
Pharmaceutical products	1.55	1.50
Headgear	1.45	0.30
Other made up textile articles	1.15	1.10
Vehicles	1.10	1.50
Clothing, not knitted or crocheted	1.00	0.95
Plastics and articles thereof	0.65	0.60
Furniture, bedding, cushions, lamps etc.	0.49	0.75
Miscellaneous manufactured articles	0.40	0.70
Foodstuff	0.40	0.56

Table 11. Full lists of counterfeit type shares by OECD/EUIPO (2019).

(IP Crime Group, 2015)	
Category	%
Optical Media	39.85
Tobacco	28.15
Clothing	7.94
Alcohol	4.42
Footwear	2.77
Circumvention	2.01
Cosmetics	1.10
Handbags	1.44
Software	0.68
E-Games	0.66
File-sharing	0.78
Other	7.41
Watches	1.19
Headphones	0.44
Electrical	0.36
Jewellery	0.51
Pharmaceuticals	0.30

Table 12. Full lists of counterfeit type shares by IP Crime Group (2015).

Appendix G: Product price differences for 10 products in each category between Darknet markets and the surface web.

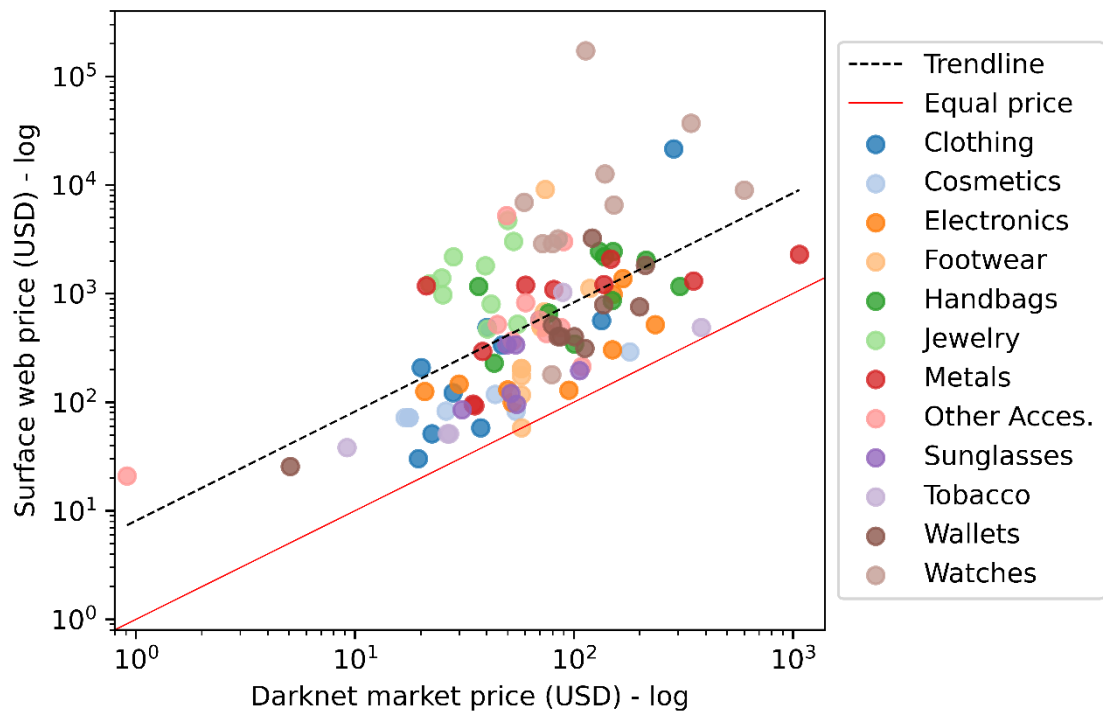


Figure 7. Product price differences for 10 products in each category between Darknet markets and the surface web.