

An exploratory study of the relationship between counterfeiting and culture

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Resumo. A contrafacção internacional afecta negativamente produtores, consumidores e as economias nacionais. Nos últimos anos, algumas tentativas têm sido empreendidas por organizações internacionais (União Europeia, Organização Mundial do Comércio) para resolver este problema complexo. Embora alguns sucessos tenham sido obtidos, o número de apreensões na fronteira externa da União Europeia de mercadoria contrafaccionada não tem parado de crescer. Este estudo analisa a influência das variáveis culturais de Hofstede (distância ao poder, individualismo, masculinidade e aversão à incerteza) na atracção de mercadoria contrafaccionada para os países da União Europeia. O perfil de um país receptor de contrafacção caracteriza-se pela baixa distância ao poder.

Palavras-chave: Contrafacção; Cultura; Hofstede; União Europeia

Abstract. International counterfeiting affects adversely producers, consumers and domestic economies. Some attempts have been made in the last years by international organisations (European Union, World Trade Organisation) to deal with this complex problem. Though some success has been achieved, the number of seizures of counterfeited goods detected in the external borders of EU has increased. This study examines the impact of Hofstede's cultural dimensions (power distance, individualism, masculinity, uncertainty avoidance) on the attraction of international counterfeiting to European Union member countries. A cultural profile of a counterfeiter country is one in which there is low power distance, low uncertainty avoidance, and low individualism

Keywords: Counterfeiting; Culture; Hofstede; European Union

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1. Introduction

In the last years counterfeiting and piracy have grown considerably to a point where they have now become a widespread phenomenon with a global impact. The phenomenon has gone hand in hand with the steady growth of international trade, the internationalisation of the economy, the expansion of the communication infrastructures and the collapse of the political systems in central and eastern Europe and in the former Soviet Union (CEC, 1998). Also Asian region, particularly China, represents the source of more than 60% of the fakes stopped by Customs in Europe, as stated by European Commissioner in charge of taxation and customs union.

According to the Counterfeiting Intelligence Bureau (CIB), set up by the International Chamber of Commerce (ICC), the increase of value of counterfeiting as a percentage of world trade rose massively from about 3,6% in 1990 to 5,6% in 1995. European companies have lost between 400 and 800 million Euros within the Union, but 2000 million Euros outside it [CEC, 1999]. The extent of the losses and the geographic spread of the phenomenon have become a focal point of international discussion (World Trade Organisation - WTO, European Union - EU), government action (USA) and corporate responses (Green and Smith, 2002). Due to its scale, counterfeiting and piracy have a damaging effect not only on businesses, national economies and consumers, but also on society as a whole.

Scholars in international business have dealt with counterfeiting by investigating anti-counterfeiting strategies (Chaudhry and Walsh, 1996; Green and Smith, 2002), examining common counterfeiting methods (Harvey and Ronkainen, 1985), researching bribery and corruption (Tanzi, 1998; Habib and Zurawicki, 2002; Sanyal and Samanta, 2004) and evaluating the economic consequences of international product counterfeiting (Globerman, 1988). However, studies which focus primarily on the causes or factors that promote counterfeiting are scanty and are all related with intellectual property rights protection (Ronkainen and Cusumano, 2001; Bender, 2002; Andrés, 2002; Javorcik, 2002; Aryanto, 2003).

There are two empirical facts that motivate this paper. First, the increased seizures of counterfeited goods in the external border of EU, and the increasingly international concern about the problem. Second, the volatility of the seizures by EU member countries, suggesting that some host countries are more vulnerable to counterfeiters than others.

This paper adopts a dual approach in assessing the impact of counterfeiting on EU. First, some data on seizures in the EU countries are analyzed in order to approach the size and evolution of the phenomenon. Then, we search for the impact of four cultural variables on the level of counterfeiting detected in European countries to understand why some countries are more vulnerable than others.

The essential legal framework background and definition of counterfeiting are presented in section 1. Section 2 defines the nature and extent of the counterfeiting phenomenon in the EU member states. Section 3 presents a literature review on the linkages between the Hofstede's cultural variables (power distance, individualism, masculinity, uncertainty avoidance) and counterfeiting. Study methodology is detailed in section 4, and the results of descriptive statistics are presented in section 5. Finally the paper concludes with recommendations for the development of culturally sensitive public policies that will be effective in the fight against counterfeiting.

2. Defining counterfeiting

The work of the World Intellectual Property Organisation (WIPO) and the Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPs) of the World Trade Organisation (WTO) provide the legal framework for the enforcement of intellectual property rights and the limiting of trade of counterfeited goods. According to the TRIPs agreement, the owner of a registered trademark has the exclusive right to prevent all third parties from using an identical or similar mark without the owner's consent, if this use would create a likelihood of confusion (article 15).

In the European Union, Regulation (EC) n. 3295/94 states that counterfeited goods are those bearing a trademark that is identical to, or indistinguishable from, a trademark registered to another party and infringes the rights of the holder of the trademark. Pirated goods are copies that were made without the consent of the holder of the copyright or related rights.

According to the Green Paper (CEC, 1998), the concepts of counterfeiting and piracy cover all products, processes and services which are the subject-matter or result of an infringement of an intellectual property right (trade mark or trade name, industrial design or model, patent, utility model and geographical indication), of a copyright or neighbouring right (the rights of performing artists, the rights of producers of sound recordings, the rights of the producers of the first fixations of films, the rights of broadcasting organisations), or of the "sui generis" right of the

maker of a data base. This wide scope definition allows to cover not only the case of products which are copied fraudulently (fakes), but also the case of products which are identical to the original ones but which are made without the rightholder's consent. Piracy in the services sphere covers mainly broadcast services and services linked to the development of the information society.

The definition does not cover look-alike products (duplication of the original product and bearing different names, but not a private label of a branded industrial product), reproductions that are not exact copies or unconvincing imitations.

The absence of a uniform international definition of counterfeiting and piracy raise problems in delimitating the boundaries of legal and illegal practices. On the side of intellectual property right-holders, the incentive is to extend the boundaries to include practices that some observers would deem legitimate manifestations of competition. The international organisations (WTO, EU) role is to maintain the legal infrastructure surrounding intellectual property, but it should not create incentives for anti-competitive or other rent-seeking behaviours beyond those already inherent to the acquisition of an exclusive property right (Globerman, 1988; OCDE, 1998).

As there is no generally agreed clear demarcation between piracy and counterfeiting, this paper will refer to all cases as counterfeiting, as collected by the services of European Commission.

3. Patterns of counterfeiting in the external border of European Union (2002/2004)

The statistics of seizures between 2002 and 2004 show that the amount of counterfeited and pirated articles seized at the EU's external borders is continuing to increase in all countries. During this period, 39 595 cases were reported by the Customs Authorities of the 15 European Union countries. The largest numbers come from Germany (11 980 cases), France (5 739 cases) and United Kingdom (5 677 cases). There was significant increases between 2002 and 2004 in Italy (+658%), Austria (+756%), Netherlands (230%), France (200%) and Spain (190%). Smaller countries like Portugal, Greece and Luxembourg reported also the smallest number of cases (Table 1).

Table 1. Number of cases registered in the external border of EU, by country (2002/2004)

Countries	2002		2003		2004	
	N	%	N	%	N	%
France	1083	14,3	1410	13,2	3246	15,2
Luxembourg	55	0,8	71	0,6	193	0,9
Denmark	212	2,8	515	4,8	544	2,6
Belgium	396	5,2	830	7,8	929	4,4
United Kingdom	1125	14,9	2017	18,8	2535	11,9
Italy	157	2,1	297	2,8	1190	5,6
Netherlands	544	7,2	905	8,5	1794	8,4
Spain	439	5,8	761	7,1	1274	6,0
Austria	155	2,1	331	3,1	1327	6,2
Finland	182	2,4	170	1,6	135	0,6
Ireland	292	3,9	347	3,3	675	3,2
Sweden	253	3,3	396	3,7	540	2,5
Portugal	48	0,6	63	0,5	73	0,3
Germany	2583	34,2	2587	24,2	6810	31,9
Greece	29	0,4	9	0,0	68	0,3
Total	7553	100,0	10709	100,0	21333	100,0

Source: TAXUD, 2006

The type of products confiscated by the customs officials (Table 2) included clothing and accessories (63% of cases in 2004), media (18,4% in 2002) and watches and jewellery (10% in 2004). In the period, only the number of seizures in clothing and accessories (+218%), media (+100%) and toys and games (+98%) faced a significant increase. These counterfeited products threaten the health and safety of EU consumers, their jobs, community competitiveness, trade and investment in research and innovation.

Table 2. Number of cases registered on the external border of EU, by product type (2002/2004)

Product type	2002		2003		2004 (a)	
	N	%	N	%	N	%
Foodstuffs, alcoholic and other drinks	13	0,2	17	0,2	53	0,0
Perfumes and cosmetics	37	0,4	116	1,1	214	1,0
Clothing and accessories	4380	58,0	5891	55,0	13928	63,0
Electrical Equipment	283	3,7	200	1,9	829	4,0
Computer equipment	22	0,3	43	0,4	122	1,0
CD (audio, software, etc.), DVD	1388	18,4	1898	17,7	2785	12,0
Watches and jewellery	572	7,6	1098	10,3	2201	10,0
Toys and games	261	3,5	497	4,6	517	2,0
Cigarettes	-	-	130	1,2	316	1,0
Other goods	597	7,9	820	7,7	1346	6,0
Total	7553	100,0	10709	100,0	22311	100,0

Source: TAXUD, 2006.(a) EU25.

Table 3 lists the three most counterfeited brands, by product. The image of counterfeited merchandise in the external borders of the EU member countries tended to center on Boss, Calvin Klein and Armani perfumes, Nike and Adidas sportswear, Ralph Lauren polo shirts, Nokia cellular phones, Rolex watches and Nintendo games. The well-known brands Sony, Intel and Hewlett-Packard were ranked in the first place during this period on items related with computer equipment. IFPI (The International Federation of the Phonographic Industry), who represents the majority of record producers worldwide, and MPA (Motion Picture Association), similar organisation to the movie industry, reported an increased number of pirated CD's and DVD's.

Table 3. Three most counterfeited brands (number of cases), by product type (2002/2004)

Product type	2002			2003			2004		
	1°	2°	3°	1°	2°	3°	1°	2°	3°
Foodstuffs, alcoholic and other drinks	Charl-es	Disney	Grant's	Disney	Aust. Apples	Konar Lebe	Lipton	Spirits Prod Inter	Coca Cola
Perfumes and cosmetics	Boss	Calvin Klein	Gucci	Boss	Armani	Vuitton	Beier-sdorf	P & G	L'Oréal
Clothing and accessories	Nike	Adidas	Ralph Lauren	Vuitton	Nike	Bur-berrys	Vuitton	Nike	Adidas
Electrical Equipment	Nokia	Philips	Pana-sonic	Nokia	Philips	Sony	Philips	Nokia	Osram
Computer equipment	Sony	Epson	Philips	Intel	Philips	Epson	HP	Sam-sung	Sisvel
CD (audio, software, etc.), DVD	MPA	IFPI	Nin-tendo	MPA	IFPI	Philips	Philips	FACT	Philip Morris
Watches and jewellery	Rolex	Brei-ting	Gucci	Rolex	Brei-ting	Cartier	Rolex	Adida-s	Gucci
Toys and games	Taiwan Moto	Nin-tendo	Disney	Nin-tendo	Hasbro	Disney	Kona-mi	Upper Desck	Disney
Cigarettes	-	-	-	Philip Morris	Reem-tsma	Imp. Tob.	Philip Morris	Imp. Tob.	Galla-her
Other goods	Nokia	Pfizer	Disney	Nokia	Pfizer	Disney	Dura-cell	Bic	Pfizer

Source: TAXUD, 2006.

Table 4 shows the three most important countries of origin of the goods seized by the customs authorities of the European Union. The vast majority of counterfeited products arrived from China (toys and games), Thailand (clothing and accessories) and Hong Kong (computer equipment). Turkey and United Arab Emirates (perfumes and cosmetics) were very common sources too. European

countries like Poland, Ukraine and Russia were also involved in the production of counterfeit goods.

Table 4. Three most counterfeiters countries (number of cases), by product type (2002/2004)

Product type	2002			2003			2004		
	1°	2°	3°	1°	2°	3°	1°	2°	3°
Foodstuffs, alcoholic and other drinks	Thailand	China	Turkey	Turkey	Poland	Chile	Russia	Ukraine	Dominican Rep.
Perfumes and cosmetics	Turkey	Spain	China	UAE	Turkey	Thailand	UAE	Turkey	USA
Clothing and accessories	Thailand	Turkey	China	Thailand	China	Turkey	China	Thailand	Turkey
Electrical Equipment	China	Hong Kong	Turkey	China	Hong Kong	Taiwan	China	Hong Kong	UAE
Computer equipment	Hong Kong	Taiwan	China	China	Hong Kong	UAE	China	Hong Kong	Russia
CD (audio, software, etc.), DVD	Thailand	Malaysia	Belgium	Thailand	Malaysia	Pakistan	China	Thailand	Malaysia
Watches and jewellery	Thailand	Hong Kong	China	Thailand	China	Hong Kong	China	Hong Kong	Thailand
Toys and games	China	Thailand	Hong Kong	China	Thailand	Hong Kong	China	India	Hong Kong
Cigarettes	-	-	-	Poland	China	Russia	Poland	China	Ukraine
Other goods	China	USA	Hong Kong	China	Hong Kong	India	China	India	Hong Kong

Source: TAXUD, 2005. Notes: UAE – United Arab Emirates.

4. Culture and counterfeiting

Lacking prior empirical evidence on the linkage between counterfeiting and culture, we propose that the presence of counterfeiting in a host country is not culture free. Culture “is a system that enables individuals and groups to deal with each other and the outside world” (Mole, 2003, p.8). Lewis (1999, p.2) argues that “people of different cultures share basic concepts but view them from different angles and perspectives, leading them to behave in a manner which we may consider irrational or even in contradiction of what we hold sacred”. One useful paradigm to study the impact of national culture on individual behaviour is Hofstede’s model. Hofstede (1991) defined culture at national level in terms of four dimensions: large versus small power distance, individualism versus collectivism, masculinity versus femininity, and strong versus weak uncertainty avoidance. A fifth dimension was developed (Hofstede and Bond, 1988), confucian dynamism, which deals with time perceptions (long term versus short term orientation). However, this variable was not included in our study due to a lack of data for all European countries.

4.1. Counterfeiting and Hofstede’s power distance

Power distance refers to “the extent to which the less powerful members of institutions and organizations within a country expect and accept that power is distributed unequally” (Hofstede, 1991). People who possess large power distance values are accepting of gaps in power and believe that there is an order of inequality in the world and that everybody has a predetermined place. Small power distance people believe that inequality among individuals with regard to income, status and wealth should be minimized.

According to Ronkainen and Cusumano (2001) countries with high power distance display significantly higher levels of piracy than more equalitarian societies. In large power distance societies conspicuous consumption and flaunting of wealth are tolerated. Innovations are seen as coming from powerful and wealthy people. Status symbols such as counterfeited prestige brands, are demanded by consumers to show the world that they hold power.

Therefore, we would expect that the higher the level of power distance in a country, the higher the incidence of counterfeiting (H1).

4.2. Counterfeiting and Hofstede's individualism

According to Hofstede (1991) individualism describes the relationship between the individual and the collectivity which prevails in a given society. It is reflected in the way people live together – for example, in nuclear families, or tribes; and it has all kinds of value implications. In highly individualistic societies, individuals look after themselves and their immediate families. In highly collectivistic societies, people are strongly integrated into cohesive in-groups.

According to Ronkainen and Cusumano (2001) countries valuing individualism have relatively less piracy. Then, counterfeiters are expected to flourish in collectivistic societies, as greater product variety and consumption with the purpose of differentiating the purchaser from others are the social/cultural norms.

Therefore, we would expect that the more collectivistic (less individualistic) a society, the higher the level of counterfeiting in a country (H2).

4.3. Counterfeiting and Hofstede's masculinity

Masculinity, with its inverse femininity, looks at how distinctly roles in society are defined. It is focused on material success as opposed to concern with the quality of life (Hofstede, 1991). Although empirical evidence did not allow us to infer from this cultural dimension to counterfeiting, we might predict certain things about societies that are at the extremes of these two dimensions. Societies with a masculine orientation focus on assertiveness, domination, and high performance. Big and fast are considered beautiful and independence is the ideal. In this orientation, greater importance is placed on making money, ostentatious manliness, and the pursuit of visible achievements. Societies with a feminine orientation focus on people rather than money. Small and slow are considered beautiful and interdependence is the ideal. In this orientation, greater importance is placed on relationships and quality of life.

Therefore, we would expect that the importance of material success (masculinity) would lead to a greater willingness to purchase counterfeited goods and consequently to higher level of counterfeiting in a country (H3).

4.4. Counterfeiting and Hofstede's uncertainty avoidance

Uncertainty avoidance is defined as the extent to which members of a society feel threatened by uncertainty or unknown situations (Hofstede, 1991). People who score high along this dimension try to avoid ambiguous situations by establishing more rules and policies. In strong uncertainty avoidance societies where deviance from prescriptive norms is less tolerated, we may infer greater intention of individuals to comply with copyright rules. Weak uncertainty avoidance societies tend to be less affected by ambiguity and more tolerant of inequality and copyright rules infringement. However, in the study by Ronkainen and Cusumano (2001) the assessment of uncertainty avoidance produced a result contrary to expectations; the higher the uncertainty avoidance, the higher the rate of piracy. The explanation is likely to be in the interpretation of risk taking. Rather than being risk taking that would condone piracy, it refers to initiative which, in turn, may be rewarded in those cultures by more stringent legislation to protect the results of that action.

Therefore, we would expect that the greater the level of uncertainty avoidance in a country, the higher the incidence of counterfeiting in a country (H4).

5. Methodology

The European Commission collects data on all counterfeited goods confiscated in the external borders of EU. For every case, the EU customs services record the country of origin, type of product and brand, among other characteristics of the seizure. Given the illegal nature of counterfeiting, these cases represent only a fraction of fraudulent goods entering EU marketplace each year. So, the number of cases detected may say more about the efficiency and competency of the EU customs authorities than about the level of counterfeiting. However, ambiguity arises when there is no agreement about the factors that should be taken into account when calculating the scale of counterfeiting (Green and Smith, 2002). As the resolution of these issues are rather difficult and beyond the objectives of this paper, we take the data from the European Commission in order to achieve a measure of counterfeiting, that is, the number of cases of counterfeited goods detected in the external borders of the EU countries.

We have collected data from the 15 countries of EU in the years 2001, 2002, 2003 and 2004. The result is a database with 60 observations. Variable *CTF* (Counterfeiting) is obtained by dividing the number of cases detected in the external border of each EU country (TAXUD, 2006) by the number of country residents (population) and multiplying by 100,000 (Rephann, 1999; UNDP, 2003). Then, a

rank variable was created for *CTF* (Counterfeiting) assigning one point if the item was ranked in the first place, two if it was ranked in the second place and so on.

Table 5 displays the rankings for the period 2001/2004.

Countries	2001	2002	2003	2004
France	5	11	11	9
Luxembourg	1	1	1	1
Denmark	4	3	2	5
Belgium	3	4	4	6
United Kingdom	8	10	8	10
Italy	13	14	14	13
Netherlands	2	6	5	4
Spain	12	12	12	11
Austria	6	9	7	3
Finland	11	5	9	12
Ireland	10	2	3	2
Sweden	9	8	6	8
Portugal	15	13	13	15
Germany	5	7	10	7
Greece	14	15	15	14

Variables Power Distance (PDI), Individualism (IND), Masculinity (MAS) and Incertainty Avoidance (UNA) are measured according Hofstede (1997) values. Then, rank variables were created assigning: i) one point for high power distance and fourteen points for low power distance; ii) one point for individualism and fourteen points for collectivism; iii) one point for masculinity and fourteen points for femininity; iv) one point for high uncertainty avoidance and fourteen points for low uncertainty avoidance. Luxembourg was excluded due to lack of data on Hofstede's framework.

The countries of EU15 are generally characterized by low levels of power distance when compared to the median of the countries studied by Hofstede. EU15 countries tend to be very individualistic (United Kingdom, Netherland, Italy), while Portugal, Greece and Spain are very collectivistic. Nordic countries (Sweden, Denmark and Finland) tend to be very feminine, while countries such as Austria, Italy, Ireland, UK and Germany are masculine. There is a great deal of variation among european countries with respect to the uncertainty avoidance dimension.

Table 6. Rankings of Hofstede's dimensions in EU15

Countries	PDI	IND	MASC	UNA
France	1	6	8	4
Luxembourg	-	-	-	-
Denmark	13	5	12	14
Belgium	2	4	7	3
United Kingdom	8	1	4	11
Italy	6	3	2	6
Netherlands	7	2	13	10
Spain	5	12	9	4
Austria	14	11	1	7
Finland	10	10	11	9
Ireland	12	8	3	11
Sweden	11	6	14	13
Portugal	3	14	10	2
Germany	8	9	4	8
Greece	4	13	6	1

Source: Adapted from Hofstede (1991)

Spearman's rho correlation coefficients are calculated to measure the degree of association between rank orders from tables 5 and 6.

6. Results

Analyzing each of the five correlations (Table 7), it is interesting to note that two of the four cultural variables are negatively associated with counterfeiting (power distance and uncertainty avoidance). These results are inconsistent with hypotheses H1 and H4 which posited that large distance and uncertainty avoidance countries would have more counterfeited goods.

Countries characterized by lower levels of power distance tended to have higher incidence of counterfeiting. In small distance countries most of the consumers are not willing to pay a considerably higher price for the authentic good if the counterfeit item offers similar qualities. Consumers who purchase these goods subject themselves to social risk because the goods are of high symbolic value and social visibility. However, as long as the counterfeit good is not readily discernible as fake, it fulfills its function as well as the authentic item (Nill and Shultz, 1996).

Table 7. Spearman Correlations

	PDI	IND	MASC	UNA	N
CTF01	-0,158	0,601*	-0,172	-0,388	14
CTF02	-0,515	0,33	-0,211	-0,634*	14
CTF03	-0,557*	0,466	-0,227	-0,703**	14
CTF04	-0,554*	-0,352	0,097	-0,553*	14
CTF(01-04)	-0,358**	-0,362**	-0,091	-0,442**	56

(**) Correlation significant at the 0,01 level (2 – tailed)

(*) Correlation significant at the 0,05 level (2 – tailed)

Countries characterized by lower levels of uncertainty avoidance tended to have higher incidence of counterfeiting. This intolerance for inequality manifests itself in terms of flexibility in the enforcement of intellectual property laws and customs inefficiency in the detection of counterfeited goods.

Individualism is negatively correlated with counterfeiting but only for CTF(01-04) with statistical significance ($p < 0,01$). This confirms hypothesis H2 which stated that lower individualistic societies would have more counterfeited goods. Then,

counterfeiting is likely to be dominant in collectivistic societies as consumers would purchase counterfeited brands to convey the status of group membership.

We found no support for hypothesis H3. This is illustrated by the lack of statistical significance in the five correlations for the relationship of masculinity with counterfeiting.

On the basis of these four year period results, we can tentatively describe a cultural profile of a counterfeiter country as one in which there is lower power distance, uncertainty avoidance, and individualism.

7. Recommendations and conclusion

The fight against international counterfeiting is a complex phenomenon that must be pursued on many fronts. The greatest mistake that can be made is to rely on a strategy that depends excessively on actions in a single level (intergovernmental agencies, national governments, nonprofit organizations, coalitions of firms, firms). Any realistic strategy must start with an explicit recognition that counterfeiting is not culture free. This suggests the need for sustained improvements in education and income, as well as for social and economic policies that favour law enforcement.

The role played by intellectual property owners should be analysed at two different levels. First, firms must be enrolled in global mutual cooperation such as the International Trademark Association (INTA), the International Anti-Counterfeiting Coalition (IACC) and the Global Business Leaders' Alliance Against Counterfeiting (GBLAAC), as well as industry specific groups, including the International Federation of the Phonographic Industry (IFPI) and the Business Software Alliance (BSA) to inform governments and politicians in general about the major problems suffered by their members and general populations as a consequence of intellectual property theft. Second, brand owners need to have its own intellectual property protection in place. After that, developing anti-counterfeiting tactics can be an effective way of preventing or reducing trademark counterfeiting. This often includes using key features on the genuine article that are difficult to copy, such as official seals or distinctive detailing. Many brand owners also use the addition of forensic features to products or packaging as a means of authentication. This includes overt features such as holograms, or covert features such as invisible fluorescent inks, taggants, digital water marking, bar coding or tracking.

In conclusion, counterfeiting is a worldwide phenomenon with negative impacts on host economies and firms doing business internationally. Despite the increasing international concerns (EU, WTO), few systematic studies have been undertaken to provide empirical evidence. This paper sheds some light on the impact of Hofstede's cultural dimensions (power distance, individualism, masculinity, uncertainty avoidance) on the attraction of international counterfeiting to European Union member countries. Spearman correlations show that some countries' cultural traits are important to international counterfeiters. A cultural profile of a counterfeiter country is one in which there is low power distance, low uncertainty avoidance, and low individualism.

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