

A comparative analysis of the evolution of TV rights in English and French men's football first divisions, 1980-2020

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Abstract

This article consists of a comparative analysis of the evolution of TV rights in English and French men's football first divisions over the period 1980-2020. The focus is on four main independent variables: the characteristics of the sporting event, the structure of the TV market, the financial situation of subscription channels and the penetration of the sport in society (watching). Based on this, a framework is suggested with the identification of 16 more specific independent variables. Correlations are calculated between these variables and TV rights in England and France. They allow us to explain why TV rights for the former have become much larger than for the latter. This can be summarised as follows: larger domestic audiences for the English Premier League (EPL) leading to larger revenues for Sky in the United Kingdom and Ireland than Canal + in France with a greater incentive to invest money in TV rights due to more competition leading to better players so better games and larger audiences; and much larger international TV rights for the EPL than for the French Ligue 1 due to the quality of the games and the ability to "sell" the league internationally, in particular in attracting international players.

Keywords: men's football, TV rights, England, France.

Introduction

On 10 February 2015, it was announced that the national TV rights for the English Premier League (EPL) will reach a record £5.136bn (€6.68bn for £1 = €1.3) for the three seasons from 2016-2017 to 2018-2019 (BBC, 2015). This could mean a league's overall broadcast revenue around £8.4bn (€10.92bn) for these three seasons once the international sales will be completed (Daily Mail, 2016; ESPN, 2015). These possible £2.8bn (€3.64bn) per season have to be compared with the annual £2.6m (€3.38m in current euros) for the 1983-1985 period, when the first televised live English Football League (EFL) matches were shown (Gratton & Solberg, 2007, pp. 4-5). This indicates the dramatic increase in TV rights for English football from the 1980s, also true to a lesser extent in French football. Indeed, national TV rights for the latter have increased from €0.8m in 1984-1985 to €748.5m per season for the period 2016-2020 (Wikipédia, 1).

In this article, the objective is to compare the evolution of TV rights in English and French men's football first divisions over the period 1980-2020 with a perspective both economic and historical (Szymanski, 2015), and an approach mainly quantitative (Vamplew, 2015, 2016) but with the use of numbers sometimes based on qualitative assessment. A comparative analysis on sports broadcasting markets has proved to be insightful (Smith, Evens & Iosifidis, 2015). The justification for the comparison between the English and French leagues is that the UK and French markets are quite similar in terms of population (around 65m in 2015) and gross domestic product (around \$45,000 per capita in 2014) and broadcasted live games appeared almost at the same time in both territories. The structure is as follows. The first section reviews the literature about the history of TV rights in professional team sports both in the USA and in Europe before dealing with the independent variables of the amount for broadcasting rights. The second section provides the framework which is developed to analyse the evolution of TV rights in English and French football with the identification of the criteria we focus on. The third section describes the methodology used. The fourth section presents the results along with their discussion. The conclusion sums up the article and compares TV rights for the EPL with the National Football League (NFL), the American football league which generates the highest level of TV rights in the world.

Literature review

The History of Pay-TV Football in the UK

The economic history of the relationship between television and sport in the UK is long and well established (Haynes, 2016). This symbiotic relationship, where sport provides a valued form of content to media organisations who provide valued revenue to sport, has become what Rowe (2011) has characterised as a ‘match made in heaven’. As Evens et al (2013) have suggested, following Kuhn (2007), this symbiotic relationship has had three phases of gestation: firstly, a public service monopoly/duopoly first dominated by the BBC and subsequently shared with the commercial regional franchises of ITV; second, following deregulation and privatisation of telecommunications under the 1984 Cable and Broadcasting Act and the 1990 Broadcasting Act, British television saw a period of expansion from the early 1980’s to the mid-1990’s with new free-to-air broadcasters Channel 4 (1982) and Channel 5 (1997) and new cable and direct-to-home satellite services, most notably British Sky Broadcasting (1990); thirdly, the more recent phase driven by digital television delivery systems across digital terrestrial, digital cable and digital satellite licences. As we shall discuss below, we may now add a fourth phase of UK television development which includes Internet television services, with video-on-demand services and ‘over-the-top’ (OTT) services being developed in a period that Hutchins and Rowe (2012) have labelled ‘Networked Media Sport’ in an age of ‘digital plenitude’. Sport, as a form of content that delivers a ‘ready-made audience’, and has arguably played a central role in the evolution and development of each of these phases of television. However, the impact of each phase of television has been motivated by quite divergent objectives, as well as creating quite varied and nuanced outcomes both across and within sports.

The first phase of television reminds us what the economic transaction between television and sport actually is. The BBC paid for a facility fee for the ‘right’ to place their cameras at sport as early as 1937, but it was not until the 1950’s that such fees became regularised in the contractual arrangements between television and sport (Haynes, 2016). The ‘rights’ in question are not intellectual property rights, but a right of access in to the sporting arena to broadcast the event. Governing bodies of sport were, for many years, nervous of the impact of television on their gate receipts, and for a while were particularly worried about what was termed the ‘rediffusion’ of television in public places, such as cinemas. The football authorities were especially concerned, and kept live coverage to a handful of occasions such as the FA Cup final, European club competitions and international matches (Haynes, 1998). As television developed, the rights of access became increasingly competitive as each broadcaster sought ‘exclusivity’ to cover events. However, to the early regulators of broadcasting exclusivity was deemed antithetical to the broader need to develop the medium among the British population, so to avoid the monopolisation of sport events the Postmaster General introduced an agreed set of ‘listed events’ of major sporting occasions which were deemed to be in the national interest (Barnett, 1990). The net effect of this list was to suppress the value of ‘facility fees’ for the right to televise major events, where both the BBC and ITV shared coverage. This state of affairs structured the duopoly of the BBC/ITV cartel from the mid-1950’s to the late-1980’s. Competition centred on a ratings war between the two

channels televising the same events and leagues, rather than a battle over exclusivity. The cosy-duopoly over rights was broken in a significant way when ITV bought exclusive rights to live First Division football matches in a four-year deal with the Football League worth £44m from 1988 to 1992.

In the second phase of television, especially following the launch of BSkyB, the value of economic rents to televise football took a dramatic turn. The fortuitous confluence of a newly formed elite English Premier League (organised in the economic interests of a smaller group of 20 clubs rather than the 92 members of the Football League) and the content hungry new pay-TV broadcaster led to a series of exclusive television deals that dwarfed previous contracts for live coverage of football: £191.5m (1992-97) and £670m (1997-01) in this phase of expansion. The popularity of live football on Sky Sports transformed a company that was making a £47m loss in 1992 in to a company making £67m profits a year later (Conn, 2012).

Economically, the new cash injection in to the sport helped finance the modernisation of football stadiums across the country, as well as inflate the salaries of leading footballers (Horrie, 2002). With increased volumes of money circulating in the world of English football the game also attracted new investors in clubs, many of whom had moved out of private ownership to public companies with shares trading on the stock market. Among the investors were media companies themselves, with BSkyB, the cable operator NTL, and ITV franchise holder Granada among the largest investors in clubs, and the management of their media assets (Boyle and Haynes, 2004). The investment by media companies was partly triggered by regulatory investigations, first by the Office of Fair Trading in 1999 which focused on competition issues related to the collective sale of TV rights to Premier League football, and second, by the European Commission whose competition directorate DG4 also found the joint sale of rights to be a 'horizontal restriction of competition' (Toft, 2003: 8). The prospect of clubs selling their own television rights led the Rupert Murdoch backed BSkyB to launch a £625m takeover bid for the leading club of the period Manchester United in 1998. Although this may have seemed a shrewd strategic decision to control media rights of the Premier League's leading club, the move proved highly controversial with fans and ultimately the regulator the Monopolies and Mergers Commission who intervened and prevented the sale on 'public interest' grounds. Soon after, the OFT ruled that the competitive market for the collective sale of Premier League rights ultimately benefited the consumer, but the leagues dispute with the EC rumbled on in to the third phase of British television.

Digital television, the third phase of television development, radically broadened the spectrum of available channels and created the potential for more competition in the television marketplace. A new competitor to BSkyB's dominance in football rights was ONDigital, later to be rebranded ITV Digital. Launched in November 1998 ONDigital was the new digital terrestrial television (DTT) license holder, and saw television rights to football as a key strategic aim to gain a foothold in the pay-TV marketplace

alongside satellite and cable broadcasters. In June 2000 the television rights for the Premier League, the FA Cup and the Football League all came up for auction, in what turned in to a rights feeding frenzy among the new digital television services Sky, NTL/CableTel and ONDigital. Sky won the rights to the Premier League for a record fee of £1.2bn, they also picked up the FA Cup and England national matches, and in an effort to win at least one of the rights packages ONDigital bought the rights to the Football League for £315m, four times the previous deal with Sky. The inflated cost proved the undoing of the DTT provider which had changed name to ITV Digital, which hit by escalating costs and falling revenues went in to administration in June 2002, only one year in to the three-year television deal with the Football League. Litigation to redeem the remainder of the fee from ITV Digital's creditors ultimately failed due to a lack of parent company guarantees from Carlton and Granada, which left many Football League clubs facing financial ruin and administration (Boyle and Haynes, 2004).

Sky's success in seeing off competition from a rival pay-TV service was soon checked again by the European competition commissioner's ruling on collective sale of rights by the Premier League. The ruling failed to effect the 2004 rights sale which Sky won for £1.024bn over a three year period, but in 2007 the Premier League were forced to break up their rights bundle in to smaller tranches to enable wider competition for TV rights from other providers. Irish company Setanta successfully bid for a share of the Premier League rights from 2007-2010 for total fee of £1.7bn, continuing the inflationary spiral of Premier League TV rights. As Setanta sought to broaden their presence in the television sports market they bought rights to Scottish football, the FA Cup and England games, Premier Rugby and the PGA Tour among others. Unfortunately, the cost of servicing the debt on the capital required to pay for the TV rights deals ultimately became too great, and in 2009 the company ceased trading in the UK and its various TV deals to football were auctioned off cheaply to US sports network ESPN. As with the collapse of ITV Digital before it, Setanta's demise left significant financial holes in the budgets of major sports organisations, and football clubs, and left Sky to maintain its hegemony in the television football market.

The beginnings of what might be characterised as a fourth phase of British television centre's on the development of Internet Protocol Television (IPTV) services which began to be marketed in the UK during the first decade of the 21st century when telecommunications companies, such as BT Vision, began to provide television packages using its broadband service from 2006. BT Vision carried live pay-TV football via deals with Setanta and subsequently ESPN, and from Sky Sports following a ruling by regulator Ofcom in July 2010 which forced BSkyB to reduce the wholesale price of its premium sports channels by 23.4% which were previously viewed as a form of restrictive practice against competitors. Buoyed by renewed competition in sports rights, BT's most significant move in the world of televised football came in 2012 when it successfully won the rights to 38 live Premier League matches per season from 2013-16. Most crucially, this included the right for 18 'first choice' matches.

This initial deal, worth £738m, was modestly expanded further to 42 games per season from 2016-2019 for £960m. The most dramatic strategic change to live football rights in the UK came with BT Sports exclusive acquisition of UEFA Champions League games in 2013 for £897m. The move broke nearly two decades of dominance by ITV and Sky in the coverage of the competition in the UK, and moved BT in alignment with sky in terms of its attractiveness to pay-TV customers. The fierce competition for television rights to premium football between Sky and BT has emphasised the importance of sport to drive new customers in to their businesses. BT's key strategic move has been to bundle its sports channel offering free with broadband and telephony services. This 'triple play' of television, broadband and telephony now characterises the entertainment and telecommunications market in the UK, where inflated rights to premium sport content has become a 'loss leader' to lucrative digital media household markets which are now more complex and diverse in their offers. In to this new digital media landscape global Internet corporations such as Google (via YouTube), Facebook, Netflix and Amazon are also competing to deliver Video-on-Demand and Over-The-Top services which also have the capacity to stream or broadcast live sports content. In this respect, the market for premium live televised football in the UK is likely to remain complex and constantly in flux for the foreseeable future.

History of French Television Football Rights

The French position is quite similar to the UK case. A public monopoly on broadcasting existed from 1945 to 1974 with the Radiodiffusion Française (RDF) until 1949 before the Radiodiffusion-Télévision Française (RTF) until 1964 then the Office de Radiodiffusion-Télévision Française (ORTF). From 1964-1965, televised live matches occurred in French football. However, on 8 November 1969, Lyon-Rennes which was televised live took place in front of only 894 attendees. This led to the end of televised live matches in French football for 15 years. In 1975, the ORTF fractured in three TV channels (TF1, Antenne 2 and FR3) but, as underlined by Bourg (1998, p. 213), "*competition is weak because all three pertain to public service, are not commercial companies and they agree to harmonise their schedule (sharing of sports broadcasts on weekend with Saturday reserved for Antenne 2 and Sunday for TF1)*".

In 1977-1978, TF1 began to broadcast 'Téléfoot' (match highlights) for an amount of €69,000 (Wikipédia, 2) or €107,000 (Hinho, 2015). Pleased with its audiences during its initial season, TF1 offered €229,000 in 1978-1979 then €1.37 million for three seasons in 1979 and kept 'Téléfoot' in spite of competition from Antenne 2 in 1979 which proposed €762,000 (Wikipédia, 3). From 1982, the French television market evolved towards a competitive business with the lifting of the ceiling on advertising revenue for channels (Bourg & Gougnet, 2001). Above all, a new TV channel appeared in 1984: Canal Plus. As soon as 1984-1985, the

latter agreed a deal to broadcast live French football matches. Since then, they have been regularly televised live.

Independent variables of the amount for TV rights

Beyond the descriptive historical approach above, it is necessary to identify independent variables of the amount for TV rights so as to apply them or some of them to our following analysis. Bolotny and Bourg (2006) provide a useful representation of the two markets of sport and television and the independent variables of the amount for broadcasting rights (see Figure 1). The two markets are the broadcasting rights market where holders of rights (supply) and TV channels (demand) meet, and the sports programmes market where TV channels (supply) and viewers or consumers (demand) meet. A set of independent variables is given, among which four are of particular interest in this article (framed within Figure 1): the characteristics of the sporting event, the structure of the TV market, the financial situation of subscription channels and the penetration of the sport in society (practice and watching with a focus on the latter in this article). The degree of league cohesion is also important but since 2015-2016, the Spanish La Liga has adopted a collective sale of TV rights, meaning that all five main European football leagues (England, France, Germany, Italy and Spain) have such a formula. This has always been the case in England and France as in the USA since the Sports Broadcasting Act 1961.

An additional dimension to be incorporated is the rest of the world since international TV rights can be of prime importance for a league as exemplified by the EPL. This means that the two markets of sport and television and their three actors can be reproduced for different countries, with the same holders of rights as initially but other TV channels (except for those that are in different countries) and viewers. In the same time, domestic TV channels and viewers can be interested in foreign leagues. As such, different holders of football rights (football leagues) are in competition for TV rights, even if TV viewers have preferences for watching competitors and clubs from their own countries (Gratton & Solberg, 2007). Football leagues are also in competition on how they use TV rights. Indeed, their increase is associated with an increase in player salaries both in the USA and Europe, and in transfer fees in Europe (Andreff, 2009, 2012; Andreff & Bourg, 2006; Quirk & Fort, 1997). As such, a league with more TV rights will be more likely to attract the best players even if this depends on a set of variables, mainly: domestic rules about TV rights sharing between different sports organisations (in France, TV rights for the first two football divisions are grouped together then shared between them – with

a smaller percentage of TV revenue for the Ligue 1 than what it generates – but also with amateur sport), number of clubs, rules for TV revenue sharing between clubs and domestic taxes.

Framework

The framework developed here is based on the core claims below for a domestic TV channel and a domestic league. The main variables we will focus on in the following analysis are numbered and in bold. Initially, we consider that the domestic TV channel is alone on the market or has largely more market power than the other channels and no real competition. Its starting point is to meet the demand from domestic TV viewers that can be considered as watching the best possible matches, preferentially in their domestic league and with domestic players:

- So as to meet the demand from TV viewers, the TV channel's objective is to broadcast the best possible matches thus the **best clubs and players in the world (1; Buraimo & Simmons, 2015)**, including the **best domestic players (2; Gratton & Solberg, 2007)**.

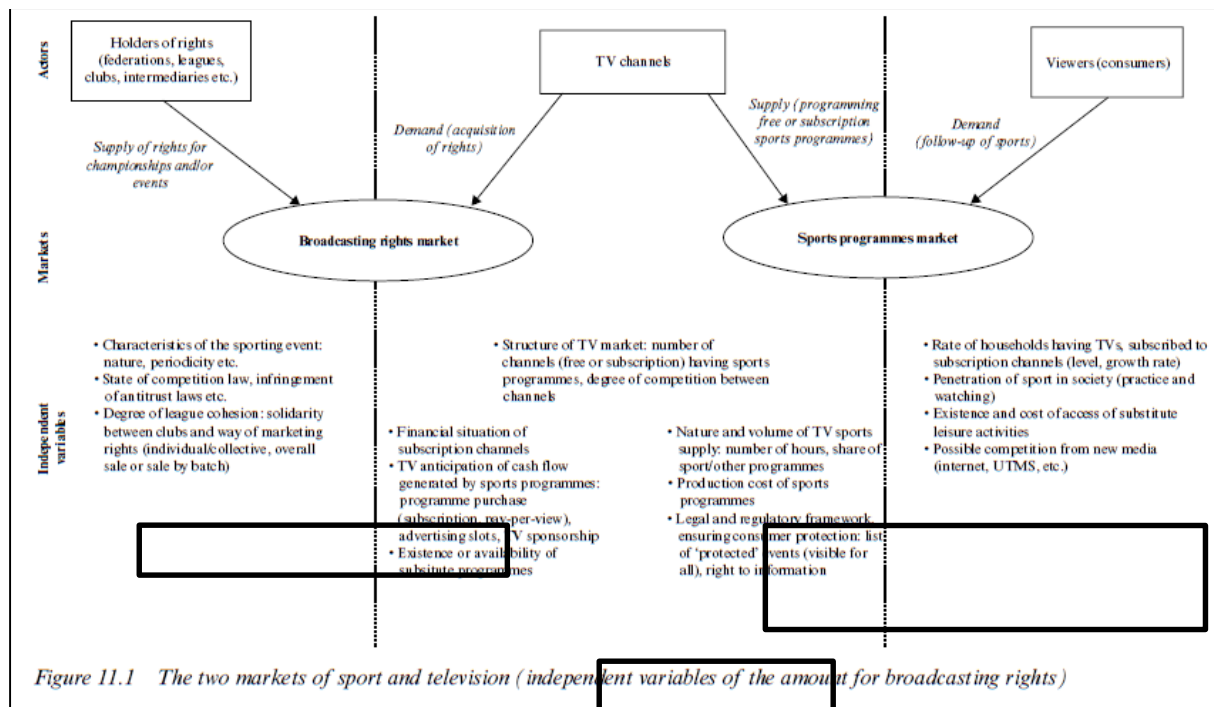


Figure 1 Independent variables of the amount for broadcasting rights (Bolotny & Bourg, 2006, p. 113)

- Having the best players requires being able to pay the best salaries so domestic clubs need more revenue than foreign clubs¹.
- A TV channel is ready to spend more money if it has the **financial ability (3)** to do so, the football domestic league is a **core product (4)** for it and this allows domestic clubs to attract the best players in the world, meaning that these clubs must already have revenue comparable or close to foreign clubs.
- As a consequence, domestic clubs need **large investments and revenue beyond domestic TV rights (5)** to attract even more of the latter.
- In particular, domestic clubs need **large stadium attendance (6)**, which is also required for telegenic purposes thus by the TV channel (a large crowd is more likely to generate a great atmosphere with a positive impact on TV viewers' experience).
- Having the best clubs and players should lead to **continental competitiveness (7)** for its domestic league, which should increase its perceived quality by TV viewers and sporting prizes (a better continental performance means more positions qualifying for the European competitions in the domestic league) thus be beneficial for the TV channel.
- Continental competitiveness is also required per se by the TV channel as it usually broadcasts continental matches and their audiences are better with successful domestic clubs.
- At the end, we reintroduce competition between TV channels so a TV channel also needs to offer more money than its **domestic competitors (8)** to get TV rights.

For a domestic league:

- Its objective is to have the best possible matches and competitive clubs in continental competitions, consistent with TV channels and viewers' expectations.
- Competitive domestic clubs in continental competitions can require that a few clubs or even only one club – **the driving force (9)** – has the best players, contradictory with the necessity of outcome uncertainty which is well documented in the literature (Andreff & Scelles, 2015; Scelles, Durand, Bonnal, Goyeau & Andreff, 2013a, 2013b), and especially the necessity of **uncertainty for the title (10)** (Scelles, 2016; Scelles *et al.*, 2015).
- The league needs a sufficiently equalitarian sharing of its TV rights to generate outcome uncertainty and / or to limit its **number of clubs (11)** so as to avoid that some have too limited financial resources compared to others and / or to make sure that its best clubs will

¹ To simplify, we do not consider domestic taxes.

benefit from a large amount of TV rights. Besides, fewer clubs means fewer matchdays, which is better for TV channels as it is likely that more matches will be played on weekends with a positive impact on audiences (Buraimo & Simmons, 2015).

- The league needs to optimise its TV rights to be able to have both competitive and relatively equal clubs, at least for its best clubs.
- TV rights optimisation needs domestic but also international TV rights optimisation with the selling and marketing of these rights by sports promoters operating in an increasingly global marketplace (Boyle & Haynes, 2002).
- International TV rights optimisation requires reaching a maximum number of countries.
- Reaching a maximum number of countries is partially consistent with having the best players in the world (reaching the countries with the best players in the world) but also suggests attracting players from **markets with high potential for TV rights (12)** (Gratton, Liu, Ramchandani & Wilson, 2012), even if these players are not among the best in the world. It is worth noting that this strategy can be temporal: once a market is interested in a league, it may be not necessary to attract players coming from this market anymore.
- A league can generate more competition with an **appropriate packaging (13)** (Bolotny & Bourg, 2006; Gratton & Solberg, 2007).
- The **number of live games (14)** offered by the league can also increase competition.
- **Timing (15)** is also important: should a league negotiate TV rights just before a new period or earlier?
- At the end, the league also needs to be able to allocate as many TV rights as possible to its clubs (no need to allocate a part of them to clubs in other divisions / sports), which is related to its **independency (16)**. Thus, French TV rights are shared not only between first division clubs but also with second division clubs and amateur sport.

Methodology

Based on the previous criteria, the objective is to compare the evolution of TV rights in English and French football over the period 1980-2020. Although no TV rights were paid for live matches before 1983, the criteria will be analysed for the sub-period 1980-1983. The reason is that TV rights for a given period are related, among other causes, to the quality of a league and what happened in terms of TV competition during the previous period. The methodology is based on correlations between TV rights and their possible explanatory variables. Some have

explicit values (e.g. attendance) but for most of them, it is necessary to consider whether a criterion is met or not, allocating a value according to this (1 if met, 0 if not). As some criteria are not fully met, not fully not met, they will be allocated 0.5. So as to evaluate as objectively as possible the different variables, clear and consistent rules have to be set (the main source for the data is Wikipedia in English or Wikipédia in French; if another source is used, it is mentioned in brackets):

1. Quality of foreign players: 1 if best players in the world, 0.5 if not all best players in the world, 0 otherwise (sources: Wikipedia/Wikipédia).
2. Quality of domestic players: 1 if evidence (qualification for the main national team competitions, the FIFA World Cup and the UEFA Euro) and best domestic players in the domestic league, 0.5 if evidence but not all best domestic players in the domestic league, 0 if no evidence or evidence but most of the best players not in the domestic league.
3. TV channel's financial ability: turnover.
4. Football domestic league = core product: audiences.
5. Ability to attract investors and revenues beyond TV rights: 1 if dominant league from an economic point of view without taking into account TV rights or evidence of large investments, 0.5 if ability without being the dominant league or evidence of large investments, 0 otherwise.
6. Stadium attendance: data from European Football Statistics.
7. Continental competitiveness: data from Kassies.
8. Competition between TV channels: 1 if at least three competitors, 0.5 if two, 0 if only one.
9. At least one economically and sportingly strong team, the driving force: 1 if met, 0 if not.
10. Convincing domestic rivals so as to generate uncertainty for the title: 1 if at least two rivals or only one rival but with high potential (e.g. high attendance / big city), 0.5 if only one rival with limited potential (e.g. low attendance / small city), 0 if not.
11. Appropriate number of clubs: this depends on several factors such as the position of the league and its best clubs in the economic continental hierarchy as a strongly dominant league can have more clubs sharing its TV rights without compromising its best clubs' economic position; or the number of weekends / holidays when matchdays can be organised (e.g. Boxing Day in the UK).
12. Markets with high potential for TV rights: 1 if Asia and the United States are reached, 0.5 if only one of these two markets is reached or none of them but some others with good potential (e.g. France for the English Premier League), 0 otherwise. As an alternative for the quality of foreign players and players from markets with potential for TV rights, we

will also consider the percentage of foreign players (Andreff, 2012; Gratton *et al.*, 2012; Gratton & Solberg, 2007; Pautot, 2014). This percentage is supposed to have been highly impacted by the Bosman case (1995).

13. Packaging: number of packages.

14. Number of live games.

15. Timing: how long before? It is worth noting that timing impacts the information that has to be taken into account for our criteria. Indeed, if TV rights in period t were negotiated one year before the new deal, the last season of period $t-1$ has not to be considered as it cannot influence these TV rights; if TV rights depend on the number of current TV viewers as it was the case in French football between 1984 and 1987 (Wikipédia, 2), this is period t that has to be taken into account to explain TV rights in t .

16. Independency: 1 if met or to come, 0.5 if signs that this could occur, 0 if not.

For the criteria taking the values 1, 0.5 or 0, the decision to allocate a specific value can be straightforward or a matter of qualitative assessment based on available and collected evidence. Such evidence is provided in Appendices so that the reader can understand the rationale behind our choices.

Results and discussion

Brief description of the evolution of TV rights

First of all, we briefly describe the evolution of TV rights in English and French men's football first divisions over the period 1980-2020. Figure 2 shows the huge increase for England, particularly from 2007 with the gap with France having always increased since then (the decrease for England in 2008-2009 and 2009-2010 is due to the parity pound-euro, not an actual decrease in pounds as annual TV rights were the same over the period 2007-2010). From 1997 to 2007, TV rights were always larger in England than France but the latter was able to partially fill the gap when it increased. It is difficult to really know how TV rights evolved before 1997 based on Figure 2. This is the reason why Figure 3 focuses on the period 1980-1997 only. During the latter, TV rights were much closer between the two leagues with the French league being able to fill the gap appeared in 1992-1993, when the Premier League was created and Sky won TV rights for the first time, at the end of the period.

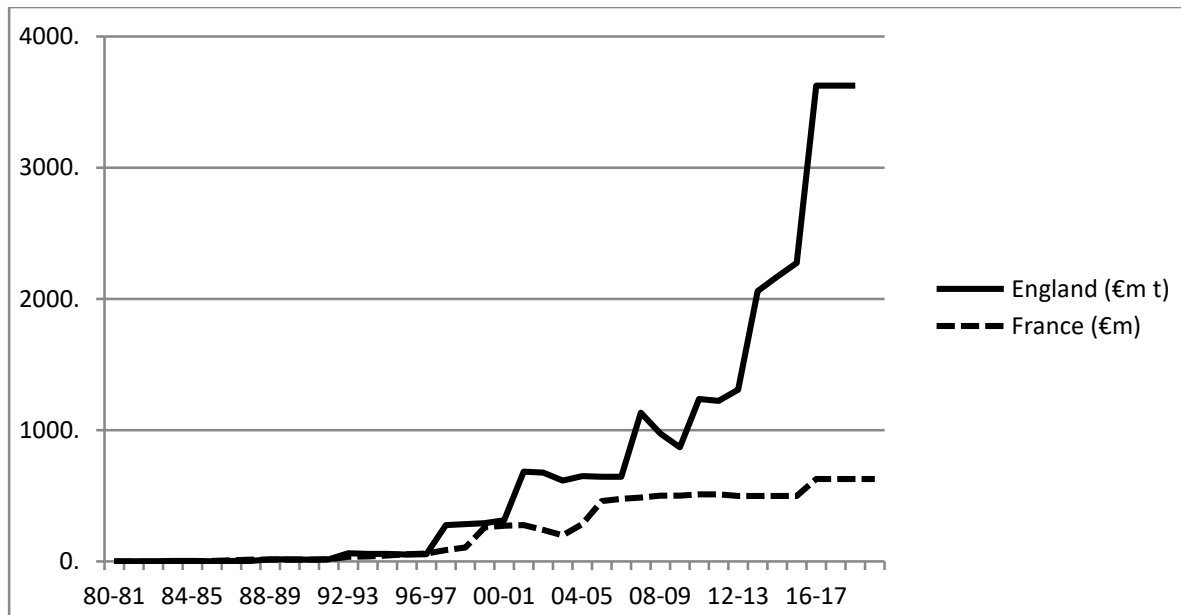


Figure 2 Evolution of TV rights in English and French men's football first divisions, 1980-2020

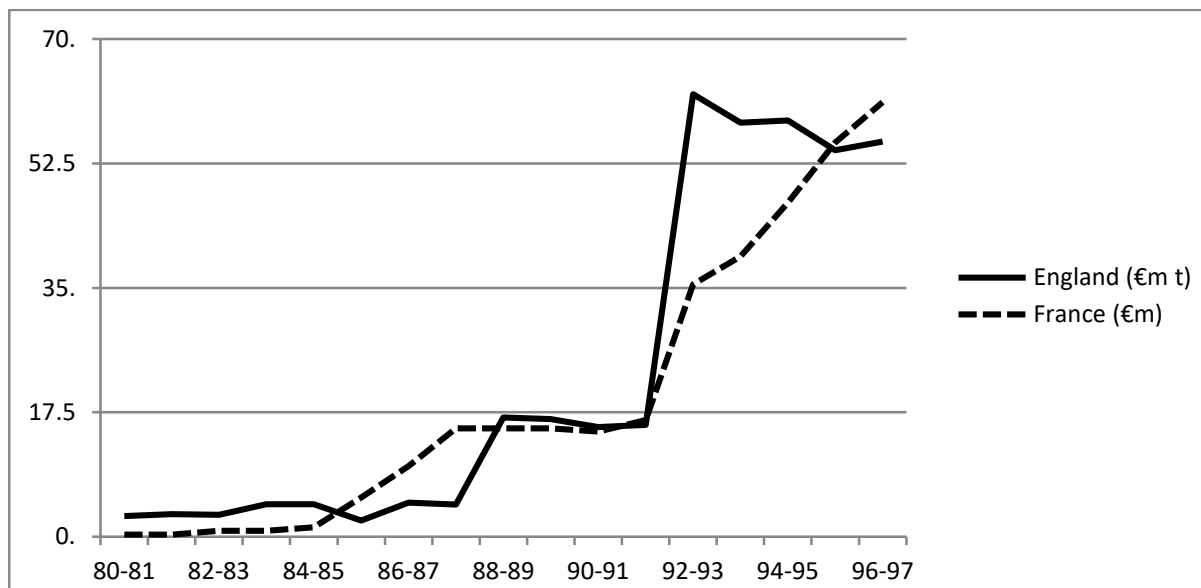


Figure 3 Evolution of TV rights in English and French men's football first divisions, 1980-1997

Data and correlations

Table 1 provides the data related to TV rights and their supposed explanatory variables ($n = 27$ observations; 13 for England and 14 for France). For qualitative details about the data, see Appendices 1 to 4. Unfortunately, all annual domestic audiences could not be found. As a consequence, all average domestic audiences could not be calculated, that's why they are not reported here. However, domestic audiences are discussed in a dedicated subsection later. Data for TV rights, timing, number of live games, packages and clubs are those for $t+1$. Indeed, TV

rights in $t+1$ are determined mainly by elements in t , except for those specified here and in France from 1984 to 1987 (see explanation for timing in the methodology section). Based on the elements in Table 1, one might have the feeling that most of the explanatory variables have improved in parallel with TV rights, especially for England. The best way to confirm this is to observe the correlations between variables.

Table 2 shows that most of the explanatory variables have a significant positive impact on TV rights (the negative sign for UEFA ranking means a positive impact as it is better to be ranked 1st than 2nd which is better than 3rd and so on). The variables that have not a significant impact on TV rights are the number of live games, the quality of domestic players, driving force, domestic rivals, the number of clubs and an appropriate number of clubs. For driving force and domestic rivals, a main reason is that almost all periods have a value equal to 1, meaning that these two variables are not sufficiently discriminating in England and France over time. For the number of clubs, a reason is that 20 clubs in England is not the same as 20 clubs in France given their respective situation (England more likely to share TV rights between 20 clubs with limited economic impact on its best clubs regarding its economic position and its independency) and more attractive possibilities for broadcasting games in England due to the absence of a winter lull. When considering an appropriate number of clubs for England alone, there is a significant positive impact. There is also a significant positive impact of the number of live games for England alone. Interestingly, there is a significant negative impact of the quality of domestic players for France alone. An explanation is that TV rights increased after the 1998 World Cup in and won by France but also after the Euro 2000 also won by France, whereas most of its best players left the domestic league after the Bosman case in 1995. This could translate an increase in football demand from French people due to France national men's football team success, independent of whether the best French players operate in the domestic league or not. This interpretation is consistent with the increase in overall audiences for the French football first division over the period 1998-2002, when 306 games were broadcasted per season (all games with 18 clubs): from 49m in 1998-1999 to 92m in 2001-2002 (almost doubled).

Table 1 Data

	TV rights in t+1 (€m)	Tim ing for TV rights t+1	Nu mber of live games t+1	Nu mber of pac kages t+1	Qual ity of foreign players	Qual ity of domestic players	Turn over ITV 1986 -96 then Sky / Cana l+ (€m)	Econ omic posit ion	Atten - danc e	UE FA rank ing	Co mpe - titio n	Driv ing forc e	Dom es- tic rival s	Nu mber of club s t+1	Appr o- priate numb er of clubs t+1	Inter nation al mar kets	% of fo- reig n play ers	Indep en- dency
Eng land																		
198 0-83	4.56	0	10	1	0	1	0	0.5	2012 7	3	0	1	1	22	0	0	2%	0
198 3-85	7.39	0	10	1	0	1	0	0.5	2108 0	1	0	1	1	22	0	0	1%	0
198 5-86	2.28	0	6	1	0	0	0	0	1956 3	33	0	1	1	22	0	0	2%	0
198 5-86	4.63	0	14	1	0	0	0	0	1956 3	33	0	1	1	22	0	0	2%	0
198 6-88	16.1 2	0	18	1	0	0	1428 .31	0	1927 3	33	0.5	1	1	20	1	0	1%	0.5
198 8-92	57.8 1	0	60	1	0	1	1850 .56	0.5	2162 2	13	1	1	1	22	0	0	3%	1
199 2-97	292. 80	1	60	1	0.5	1	1967 .62	1	2755 0	7	1	1	1	20	1	0.5	34 %	1
199 7-01	659. 73	1	66	1	0.5	1	2920 .11	1	3075 7	5	1	1	1	20	1	0.5	40 %	1
200 1-04	647. 39	1	138	4	0.5	0.5	4837 .94	1	3444 8	2	0	1	1	20	1	1	50 %	1
200 4-07	993. 03	1	138	6	0.5	1	6076 .82	1	3386 4	3	1	1	1	20	1	1	55 %	1
200 7-10	125 6.58	1.5	138	6	0.5	1	6490 .78	1	3561 4	1	1	1	1	20	1	1	61 %	1
201 0-13	216 8.18	1	154	7	0.5	1	8101 .66	1	3460 0	1	1	1	1	20	1	1	65 %	1
201 3-16	362 5.70	1.5	168	7	0.5	0.75	9597 .89	1	3617 9	2	1	1	1	20	1	1	68 %	1
Fran ce																		
198 0-83	0.3	0	0	1	0	0.5	0	0.5	1088 6	8	0	1	1	20	1	0	10 %	0

198 3-84	0.8	0	0	1	0	0.5	0	0.5	1008 4	10	0	1	1	20	1	0	10 %	0
198 4-85	1.32	0	6	1	0.5	0.5	42.0 8	0.5	9906	11	0	1	1	20	1	0	10 %	0
198 5-86	5.5	0	25	1	0.5	0.5	190. 56	0.5	1015 6	15	0	1	1	20	1	0	10 %	0
198 6-87	9.9	0	25	1	0.5	0	403. 38	0.5	1142 5	14	0	1	1	20	1	0	10 %	0
198 6-87	15.2 5	0	38	1	0.5	0	403. 38	0.5	1142 5	14	0	1	1	20	1	0	10 %	0
198 7-92	45.3	0	106. 4	1	0.5	1	1345 .75	0.5	1149 3	5	0	1	1	20	1	0	10 %	0
199 2-97	92.4	0	306	1	0	0	1645 .69	0	1416 3	3	0	1	1	18	1	0	18 %	0
199 7-99	220. 6	0	343	4	0	0	1615 .96	0	1994 1	4	0.5	1	1	18	1	0	22 %	0
199 9-04	368	2	380	3	0.5	0	1577 .66	0	2175 5	5	0.5	0	1	20	0	0.5	31 %	0
199 9-05	475	0.5	380	4	0.5	0	1548 .36	0	2017 8	5	0.5	1	0.5	20	0	0.5	36 %	0
200 5-08	506	0.5	380	12	0.5	0	1748	0	2184 1	5	0.5	1	0.5	20	0	0.5	33 %	0
200 8-12	500	1	380	11	0.5	0	1822	1	1974 2	5	0.5	1	1	20	0	0.5	38 %	0
201 2-16	628	2	380	6	0.5	0	1805 .5	1	2095 3	6	0.5	1	0.5	20	0	0.5	41 %	0

Table 2 Correlations

	Timing for TV rights t+1	Number of live games t+1	Number of packa- ges t+1	Quality of foreign players	Quality of domestic players	Turno- ver	Econo- mic position	Atten- dance	UEFA ranking	Com- peti- tion	Driving force	Domes- tic rivals	Num- ber of clubs	Appropria- te number of clubs	Internatio- nal markets	% of foreign players	Bosman case	Inde- penden- cy
TV rights in t+1 (€m)	0.61**	0.24 (0.82** EPL)	0.55**	0.41*	0.30 (-0.57* Ligue 1)	0.92**	0.51**	0.73**	-0.39*	0.62**	0.02	-0.03	-0.15	0.21 (0.56* for EPL)	0.78**	0.82**	0.55**	0.59**
Timing for TV rights in t+1		0.60**	0.55**	0.60**	0.10	0.62**	0.53**	0.67**	-0.44*	0.62**	-0.44*	-0.26	-0.17	-0.09	0.81**	0.81**	0.76**	0.44*
Number of live games t+1			0.75**	0.38	-0.40*	0.25	-0.04	0.28	-0.41*	0.37	-0.35	-0.63**	-0.38*	-0.40*	0.45*	0.52**	0.75**	-0.08
Number of packages t+1				0.46*	-0.13	0.53**	0.28	0.47*	-0.40*	0.45*	0.01	-0.46*	-0.23	-0.22	0.66**	0.69**	0.67**	0.17
Quality of foreign players					0.09	0.44*	0.52**	0.31	-0.40*	0.35	-0.15	-0.27	-0.29	0.21	0.62**	0.65**	0.49**	0.28

Quality of domestic players						0.41*	0.61**	0.44*	-0.44*	0.40*	0.20	0.36	0.28	0.27	0.30	0.24	-0.02	0.63**
Turnover							0.58**	0.85**	-0.44*	0.71**	0.04	0.06	-0.23	0.33	0.88**	0.89**	0.63**	0.78**
Economic position								0.54**	-0.49**	0.46*	0.26	0.17	-0.01	0.33	0.62**	0.62**	0.33	0.64**
Attendance									-0.36	0.75**	-0.02	0.002	0.04	0.04	0.88**	0.81**	0.68**	0.83**
UEFA ranking										-0.31	0.09	0.14	0.39*	-0.14	-0.51**	-0.59**	-0.59**	-0.24
Competition											-0.05	-0.09	-0.12	0.07	0.68**	0.69**	0.63**	0.77**
Driving force												-0.07	0.04	0.26	-0.09	-0.06	-0.19	0.14
Domestic rivals													0.08	0.46*	-0.17	-0.20	-0.34	0.25
Number of clubs														-0.60**	-0.18	-0.37	-0.53**	0.01
Appropriate number of clubs															0.13	0.22	0.03	0.36
International markets																0.96**	0.78**	0.70**

% of foreign players																	0.85**	0.63**
Bosman case																		0.42*

* and ** mean significant at the 5% and 1% threshold, respectively.

Main TV channel's turnover

The explanatory variable with the strongest correlation with TV rights is the main TV channel's turnover. Figure 4 shows the evolution of the turnover for Sky in the UK and Ireland and Canal + in France over the period 1990-2015, from seven times larger for Canal + in 1990-1991 to five times and a half larger for Sky in the UK and Ireland in 2014-2015. The very strong correlation between TV rights and main TV channel's turnover suggests the possibility of a virtuous circle: broadcasting football games allows a TV channel to increase its customer base and its turnover, meaning that it can invest in turn more money in football so that clubs can attract better players (consistent with the strong correlation between the main TV channel's turnover and the percentage of foreign players, the strongest between explanatory variables), increasing the attractiveness of the league and thus new customers for the TV channel. This is what happened in English football (even if Sky decreased its investment for the period 2004-2007 when it did not face competition) but not in French football. A reason is competition between English and French football, with the latter not able to spend as much money in players as the former. This means that English clubs can attract the best players operating in the French league. It is worth noting that English clubs can rely not only on large domestic TV rights but also large international TV rights, including from France and, until 2016, Canal +. Thus, the French TV group provided €63m per season for the EPL over the period 2013-2016.

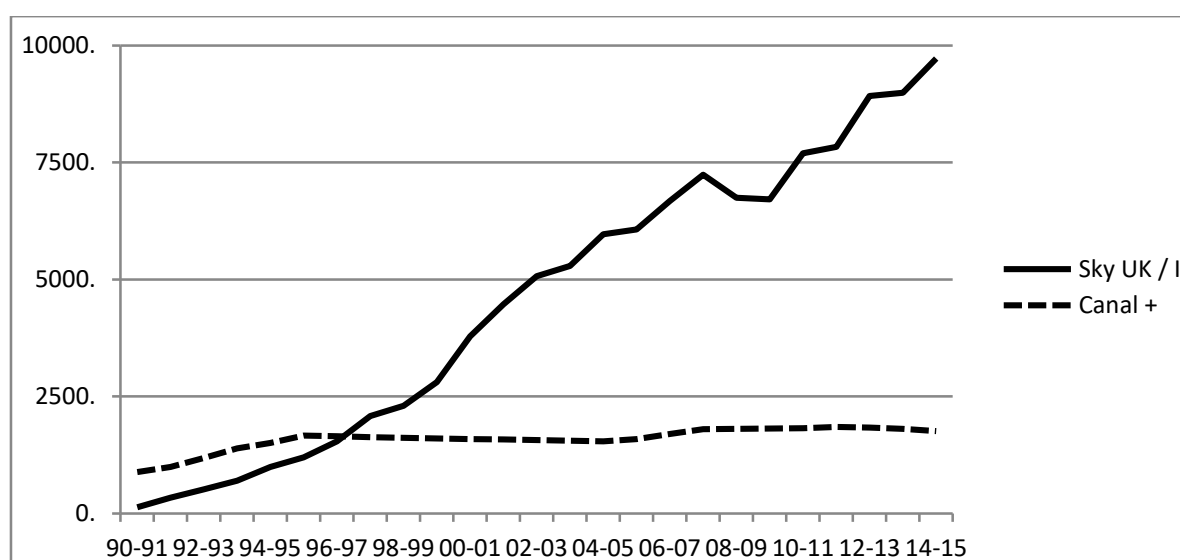


Figure 4 Evolution of the turnover for Sky in the UK and Ireland and Canal + in France over the period 1990-2015

Domestic audiences

As written earlier, we could not find all annual domestic audiences. Nevertheless, some of them could be accessed over the period 1996-2014 (Table 3). From 2000-2001 to 2003-2004, overall audiences for France were larger than England but its average audiences were four to five times smaller. In 2004-2005 and 2005-2006, overall audiences were even smaller for France in spite of much more broadcast games (380 *versus* 88 for England). In 2006-2007, overall audiences were again larger for France then England increased its number of broadcast games (to 137 in 2007-2008) and even if this number was still smaller than France, overall audiences for England were larger again. The fact that the French Professional League (LFP) has stopped the publication of Ligue 1 overall audiences from 2008-2009 lets think that they have decreased compared to 2007-2008. In 2012-2013, the average audience for the main game of each matchday (38 games) decreased to 1.1m in Ligue 1, an average not strongly larger than the one for the 154 broadcast games (four times more games) in EPL in 2013-2014. This is consistent with the idea that EPL has much more games with high potential for large audiences than the French Ligue 1. In the French context, it is also important to consider the development of the rugby Top 14, able to achieve an average domestic audience for all its games (not only for the main game of each matchday) between 700,000 and 800,000 over the period 2008-2013 in spite of days or at least times not as optimal as for football (Autorité de la concurrence, 2014). Top 14 average audiences were slightly decreasing in 2013-2014, a decrease mainly due to “*a very strong competition from the Premier League that year*” (Autorité de la concurrence, 2014, p. 25).

Table 3 Domestic audiences in English and French men’s football first divisions over the period 1996-2014 (in million)

	Overall		Average	
	England	France	England	France
1996-1997	91.2	-	1.52	-
1997-1998	-	-	-	-
1998-1999	-	49.2	-	0.16
1999-2000	-	57.5	-	0.19
2000-2001	65.4	83.0	1.09	0.27
2001-2002	77.2	92.1	1.17	0.30
2002-2003	89.8	104.5	1.36	0.28
2003-2004	89.8	105.5	1.36	0.28

2004-2005	107.4	105.6	1.22	0.28
2005-2006	106.5	103.7	1.21	0.27
2006-2007	103.8	111.3	1.18	0.29
2007-2008	134.3	112.5	0.98	0.30
2008-2009	-	64.6 ¹	-	1.7 ¹
2009-2010	-	57.0 ¹	-	1.5 ¹
2010-2011	-	60.8 ¹	-	1.6 ¹
2011-2012	-	53.2 ¹	-	1.4 ¹
2012-2013	-	41.8 ¹	-	1.1 ¹
2013-2014	160.9	-	1.04	-

¹ Main game of each matchday only.

Sources: Autorité de la concurrence (2014), Buraimo & Simmons (2015), Gratton & Solberg (2007, pp. 33-34), Harris (2014), LNF / LFP

English Premier League's virtuous circle

A lot of explanatory variables are positively correlated, suggesting the existence of a virtuous circle, at least for the English Premier League. Such a virtuous circle is represented in Figure 5. This can be simplified as follows: independency and competition between TV channels => more money => better clubs => more potential live games => more competition between TV channels => more money. Before commenting further on Figure 5, we remind that English club football was in a very bad situation in the 1980s: attendances were falling down (from more than 31,000 in 1972 to less than 19,000 in 1984) due to old stadia and hooliganism; English clubs have been banned from European competitions for five years following the Heysel disaster in 1985; and the Hillsborough disaster in 1989 was the most serious tragedy in UK sporting history. The latter induced the Taylor Report (1990) which eventually led to all-seat arenas from 1994-1995. The Taylor Report was one determining factor triggering the English Premier League success, along with English clubs coming back in European competitions in 1990 (meaning that top positions in the league could qualify again for continental competitions), and independency and Sky winning TV rights in 1992. The Bosman Case (1995) and the Euro 1996 in England were two other beneficial factors during the 1990s as was the evolution of the Champions League from only one club per country (except if its winner was not champion in its domestic league) to four clubs for the best countries from 1999, along with more money shared on the basis of the TV pool (TV domestic market) rather than sporting

performance and equality between countries. In 2003, Sky faced no competition for national TV rights that slightly decreased for the period 2004-2007 in spite of more than twice more broadcasted games. This was “*seen by many as an indicator that the boom time for broadcasting rights was over*” (Gratton & Solberg, 2007, p. 5). However, the European Commission insisted that at least one of the packages offered for the period 2007-2010 went to a different broadcaster. This generated again competition between TV channels which is even more intense with BT being in the market since 2012.

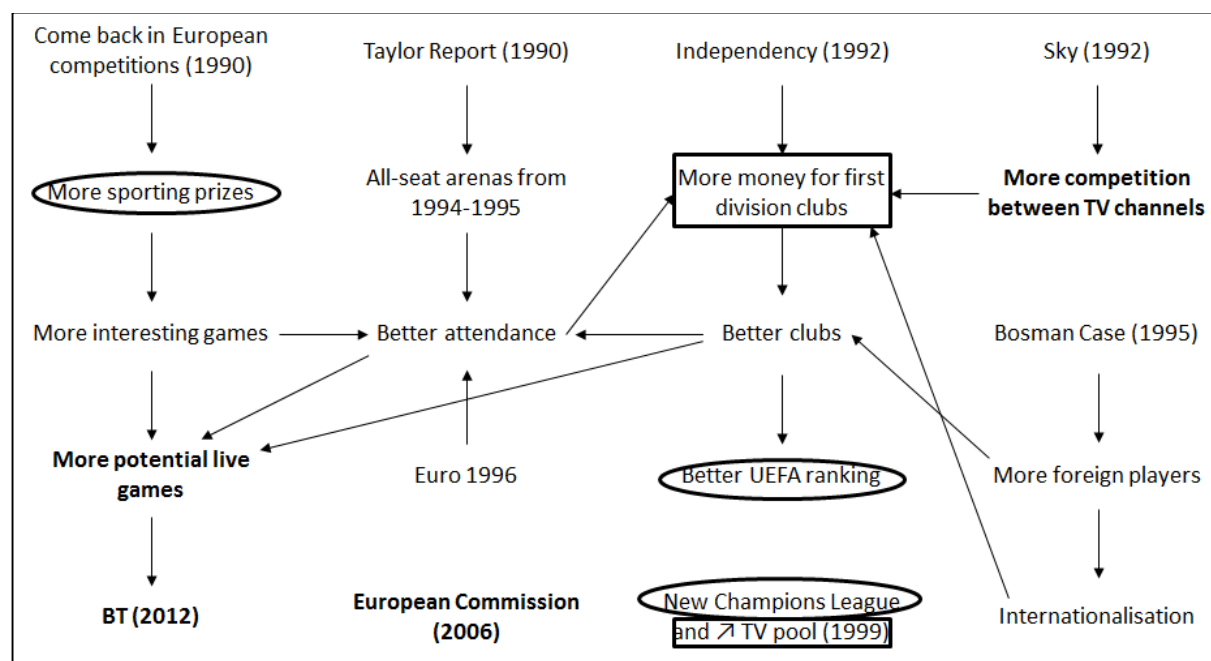


Figure 5 English Premier League’s virtuous circle: positive influence of independency, domestic and European environments, and internationalisation

Conclusion

This article has looked for comparing the evolution of TV rights in English and French men’s football first divisions over the period 1980-2020. The literature review provided some variables explaining TV rights, with an emphasis on four elements here: the characteristics of the sporting event, the structure of the TV market, the financial situation of subscription channels and the penetration of the sport in society (watching). A framework was then developed, taking into account the four previous elements. Based on this, a comparison between the English Premier League and the French Ligue 1 has been made, showing and explaining why TV rights for the former have become much larger than for the latter. This can be summarised as follows: larger domestic audiences for the EPL leading to larger revenues for

Sky in the United Kingdom and Ireland than Canal + in France with a greater incentive to invest money in TV rights due to more competition leading to better players so better games and larger audiences; and much larger international TV rights for the EPL than for the French Ligue 1 due to the quality of the games and the ability to “sell” the league internationally, in particular in attracting international players.

Based on the current conversion rate between the British pound and the US dollar (£1 = \$1.44), the annual TV rights for the EPL over the period 2016-2019 would be equivalent to \$4bn *versus* \$5bn for the NFL over the period 2014-2021. This means that the EPL would have almost filled the gap whereas in 1990, the NFL generated \$900m per year in TV rights against less than \$20m for the English Football League (more than 45 times less). It is worth noting that if we already know the amount for TV rights for the French Ligue 1 in 2019-2020, this is not the case for the EPL. During that season, it could be envisaged that TV rights for the EPL becomes as high as those for the NFL or even higher. Whether this would be the case or not, EPL TV rights are already causing concern in European men’s football as the budgets of all 20 EPL clubs will be greater than most of their overseas counterparts who compete at the top end of their domestic leagues (Jackson, 2016). As a consequence, UEFA would be considering a major revamp of the Champions League with a possible move to a larger group format, allowing the established continental clubs to have more high-profile games and thus generate a bigger income. This could be seen as a first step towards a European Super League. In any event, European men’s football seems at a turning point of its history.

References

- Andreff, W. (2009). Équilibre compétitif et contrainte budgétaire dans une ligue de sport professionnel. *Revue Economique*, 60(3), 591-633.
- Andreff, W. (2012). *Mondialisation économique du sport*. Brussels: De Boeck.
- Andreff, W., & Bourg, J.F. (2006). Broadcasting rights and competition in European football. In C. Jeanrenaud & S. Késenne (Eds.), *The economics of sport and the media* (pp. 37-70). Cheltenham, UK / Northampton, MA: Edward Edgar.
- Andreff, W., & Scelles, N. (2015). Walter C. Neale fifty years after: Beyond competitive balance, the league standing effect tested with French football data. *Journal of Sports Economics*, 16(8), 819-834.

Autorité de la concurrence (2014). Décision n° 14-MC-01 du 30 juillet 2014 relative à la demande de mesures conservatoires présentée par la société BeIN Sports France dans le secteur de la télévision payante.

BBC (2015, 10 February). Premier League TV rights: Sky and BT pay £5.1bn for live games. Internet link: <http://www.bbc.co.uk/sport/0/football/31357409>

Bolotny, F., & Bourg, J.F. (2006). Demand for media coverage. In W. Andreff and S. Szymanski (Eds.), *The handbook of the economics of sport* (pp. 112-133). Cheltenham, UK / Northampton, MA: Edward Edgar.

Bourg, J.-F. (1998). Relations économiques entre le sport et la télévision. In J.-F. Bourg & J.-J. Gougnet, *Analyse économique du sport* (pp. 209-242). Paris: Presses Universitaires de France.

Bourg, J.-F., & Gougnet, J.-J. (2001). *Économie du sport*. Paris : La Découverte.

Boyle, R., & Haynes, R. (2002). New media sport. *Culture, Sport, Society* (now *Sport in Society: Cultures, Commerce, Media, Politics*), 5(3), 96-114.

Bradford, T. (2005). *When Saturday comes: The half decent football book*. London: Penguin Books.

Buraimo, B., & Simmons, R. (2015). Uncertainty of outcome or star quality? Television audience demand for English Premier League football. *International Journal of the Economics of Business*, 22(3), 449-469.

Daily Mail (2016, 2 January). New year, new TV billions: Premier League rules the world, with foreign sales of games set to hit £1billion a year in 2016 deals. Internet link: <http://www.dailymail.co.uk/sport/football/article-3382281/New-year-new-TV-billions-Premier-League-rules-world-foreign-sales-games-set-hit-1billion-year-2016-deals.html>

Downward, P., Dawson, A., & Dejonghe, T. (2011). *Sports economics: Theory, evidence and policy*. Abingdon, UK: Routledge.

ESPN (2011, 14 December). NFL renews television deals. Internet link: http://espn.go.com/nfl/story/_/id/7353238/nfl-re-ups-tv-pacts-expand-thursday-schedule

ESPN (2015, 11 February). Global deals set to take EPL TV rights over \$13 billion, attract investors. Internet link: [http://www.espnfc.co.uk/barclays-premier-league/story/2294089/global-deals-set-to-take-epl-tv-rights-over-\\$13-billion-and-attract-more-investors](http://www.espnfc.co.uk/barclays-premier-league/story/2294089/global-deals-set-to-take-epl-tv-rights-over-$13-billion-and-attract-more-investors)

European Football Statistics. Internet link: <http://www.european-football-statistics.co.uk/>

Gratton, C., & Solberg, H.A. (2007). *The economics of sports broadcasting*. Abingdon, UK: Routledge.

Gratton, C., Liu, D., Ramchandani, G., & Wilson, D. (2012). *The global economics of sport*. Abingdon, UK: Routledge.

Harris, N. (2014, 21 July). Man United and Liverpool remain top TV draws despite 2013-14 without trophies. *Sporting Intelligence*. Internet link: <http://www.sportingintelligence.com/2014/07/21/man-united-and-liverpool-remain-top-tv-draws-despite-2013-14-without-trophies-210703/>

Hinho (2015). Ça s'est passé... le 16 Septembre 1977: La première de Téléfoot. *Tout Le Monde S'en Foot*. Internet link : <http://www.toutlemondesenfoot.fr/blog/2015/09/17/ca-sest-passe-le-16-septembre-1977-la-premiere-de-telefoot/>

Horowitz, I. (1974). Sports broadcasting. In R.G. Noll (Ed.), *Government and the sports business* (pp. 275-324). Washington, DC: The Brookings Institution.

Horowitz, I. (1978). Market entrenchment and the sports broadcasting act. *The American Behavioral Scientist*, 21(3), 415-430.

Jackson, J. (2016, 23 March). Uefa is considering a major revamp of the Champions League format. *The Guardian*. Internet link: <http://www.theguardian.com/football/2016/mar/23/uefa-champions-league-revamp>

Jeanrenaud, C., & Késenne, S. (2006) (Eds.). *The economics of sport and the media*. Cheltenham, UK / Northampton, MA: Edward Edgar.

Kassies, B. UEFA European cup football: Results and qualification. Internet link: <http://kassiesa.home.xs4all.nl/bert/uefa/index.html>

McChesney, R.W. (1989). Media made sport: A history of sports coverage in the United States. In L.A. Wenner (Ed.), *Media, sports and society* (pp. 49-69). London: Sage.

Neale, W.C. (1964). The peculiar economics of professional sports: A contribution to the theory of the firm in sporting competition and in market competition. *The Quarterly Journal of Economics*, 78(1), 1-14.

Pautot, M. (2014). *Sport et nationalités : Quelle place pour les joueurs étrangers ?* Paris: L'Harmattan.

Quirk, J.P., & Fort, R.D. (1997). *Pay dirt: The business of professional team sports*. Princeton, NJ: Princeton University Press.

Rottenberg, S. (1956). The baseball players' labor market. *Journal of Political Economy*, 64(3), 242-258.

Scelles, N. (2016). Star quality and competitive intensity? Television audience demand for English Premier League football reconsidered. Unpublished working paper.

Scelles, N., Durand, C., Bonnal, L., Goyeau, D., & Andreff, W. (2013). Competitive balance versus competitive intensity before a match: Is one of these two concepts more relevant in explaining attendance? The case of the French football Ligue 1 over the period 2008-2011. *Applied Economics*, 45(29), 4184-4192.

Scelles, N., Durand, C., Bonnal, L., Goyeau, D., & Andreff, W. (2013). My team is in contention? Nice, I go to the stadium! Competitive intensity in the French football Ligue 1. *Economics Bulletin*, 33(3), 2365-2378.

Scelles, N., Durand, C., Bonnal, L., Goyeau, D., & Andreff, W. (2015). Do all sporting prizes have a significant positive impact on attendance in a European national football league? Competitive intensity in the French Ligue 1. Unpublished working paper.

Smith, P., Evens, T., & Iosifidis, P. (2015). The regulation of television sports broadcasting: A comparative analysis. *Media, Culture & Society*, 37(5), 720-736.

Szymanski, S. (2015). Economics and (modern) sports history. *The International Journal of the History of Sport*, 32(15), 1775-1777.

Taylor, P. (1990). *The Hillsborough stadium disaster, 15 April 1989: Inquiry by the Rt Hon Lord Justice Taylor*. Final Report.

Vamplew, W. (2015). In praise of numbers: Quantitative sports history. *The International Journal of the History of Sport*, 32(15), 1835-1849.

Vamplew, W. (2016). The power of numbers: A plea for more quantitative sports history. *Sport in Society: Cultures, Commerce, Media, Politics*, 19(3), 313-320.

Wikipedia. English football on television. Internet link:
https://en.wikipedia.org/wiki/English_football_on_television

Wikipédia (1). Championnat_de_France_de_football. Internet link:
https://fr.wikipedia.org/wiki/Championnat_de_France_de_football

Wikipédia (2). Football et télévision. Internet link:
https://fr.wikipedia.org/wiki/Football_et_t%C3%A9l%C3%A9vision

Wikipédia (3). Téléfoot. Internet link: <https://fr.wikipedia.org/wiki/T%C3%A9l%C3%A9foot>

Wilson, B. (2015, 7 August). From TV blackout to a Premier League broadcasting fortune. *BBC*. Internet link: <http://www.bbc.co.uk/news/business-33149689>

Appendix 1 TV rights and characteristics of English and French football first divisions over the period 1980-1987

	1980-1983		1983-1984		1984-1985		1985-1986		1986-1987	
	England	France	England	France	England	France	England	France	England	France
Annual TV rights / domestic competition	£1.67m (€3.04m) ¹ BBC & ITV	€0.30m 1979-1982 TF1	£2.6m (€4.6m) BBC & ITV	€0.8m TF1	£2.6m (€4.5m) BBC & ITV	€1.32m ¹ TF1 & Canal +	£1.3m (€2.3m) ² BBC	€5.5m ¹ TF1 & Canal +	£3.15m (€4.8m) BBC & ITV	€9.9m ¹ TF1 & Canal +
Timing rights t+1	1983	1982 or 1983	1983	1984-1985	1985	1985-1986	1986	1986-1987	1988	1987
Driving force(s)	Liverpool	Saint-Etienne (till 82)	Liverpool	Bordeaux	Liverpool	Bordeaux	Liverpool	Bordeaux	Liverpool	Bordeaux
Rival(s)	Ipswich, Watford, Manchester United, Aston Villa (champion 1981, European Cup winner 1982)	Nantes (champion 1983), Bordeaux, Monaco (champion 1982), Paris SG	Southampton, Nottingham, Manchester United, QPR	Nantes, Monaco, Auxerre, Paris SG	Everton (champion), Tottenham, Manchester United	Nantes, Monaco, Auxerre, Paris SG (only 13)	Everton, West Ham, Manchester United	Paris SG (champion), Nantes	Everton (champion 1987), Manchester United (only 11 but still best attendance)	Marseille, Toulouse
Investors / revenues beyond TV rights	British record transfer fee = £1.5m in 1981 (Robson, Manchester United) vs £3m for Maradona from Boca Juniors to FC Barcelona in 1982	Bez (Bordeaux)	Tottenham first club on the stock exchange in 1983	Bez (Bordeaux)	Effect of Tottenham on the stock exchange £5m for Maradona from FC Barcelona to Napoli	Bez (Bordeaux)	-	Bez (Bordeaux)	-	Bez (Bordeaux) Tapie (Marseille) Lagardère (Matra Racing) £6m for Gullit from PSV Eindhoven to AC Milan in 1987

Quality of domestic players ³	Good UEFA ranking with a limited number of foreign players A few players abroad	Semi-finalist in 1982 World Cup Six abroad except in 1981, Platini abroad from 1982 Platini 3 rd Ballon d'or 1980, 4 th 1981, 9 th 1982 Giresse 2 nd 1982	Good UEFA ranking with a limited number of foreign players A few players abroad Dalglish 2 nd Ballon d'or 1983	Euro 1984 winner (at home) Platini abroad	Good UEFA ranking with a limited number of foreign players A few players abroad Rush 4 th Ballon d'or 1984	Qualification for 1986 World Cup after Euro 1984 winner Platini and Six abroad Tigana 2 nd Ballon d'or 1984	England 5-8 1986 World Cup A few players abroad but departures to come after the 1986 World Cup	Semi-finalist in 1986 World Cup Platini and Papin abroad	England and Ireland qualified for Euro 1988 Some of the best players abroad	Not qualified for Euro 1988 Platini abroad Amoros 4 th Ballon d'or 1986
Quality and quantity of foreign players	Limited number	Different nationalities / continents, not from Asia, North and Central America, no World Cup semi-finalists except Szarmach (Poland)	Limited number	Different nationalities / continents, not from Asia, North and Central America, no Euro semi-finalists	Limited number	Different nationalities / continents, not from Asia, North and Central America Chalana (Portugal) 5 th Ballon d'or 1984	Limited number	Different nationalities, / continents, not from Asia, North and Central America Burruchaga (Argentina)	Limited number	Different nationalities / continents, not from Asia, North and Central America Burruchaga, Förster (West Germany)

¹ Authors' estimation. ² Initially £4.75m refused by clubs. ³ UK and Irish players instead of English players only for England as national TV rights are sold to UK and Irish channels.

Appendix 2 TV rights and characteristics of English and French football first divisions over the period 1987-2001

	1987-1988		1988-1992		1992-1997		1997-1999		1999-2001	
	England	France	England	France	England 1992-1996	France	England	France	England 1999-2000	France
Annual TV rights / domestic competition	£3.15m (€4.5m) BBC & ITV, competition to come	€15.25m TF1 & Canal +	£11m (€16.1m) ITV (vs BBC and satellite TV operator), BSkyB to come	€15.25m TF1 & Canal +	£38.3m (€48.2m) BSkyB (vs ITV) International to come	€47.7m ¹ Canal +	£192m (€282m) £167.5m BSkyB (vs competitors) £24.5m international	€97.2m ¹ Canal + (competition to come)	£192m (€303.5m) Competition to come	€267.1m (including €40m for 'Club Europe' ²) Canal + & TPS
Timing rights t+1	1988	1987	1992	1992	1996	1997	2000	1999	2000	End of 2002
Driving force(s)	Liverpool	Bordeaux	Liverpool	Marseille	Manchester United	Paris SG	Manchester United	Marseille	Manchester United	-
Rival(s)	Manchester United (attendance: 39,152 vs 39,582 for Liverpool and 29,910 for Arsenal)	Monaco (champion 1988), Marseille, Montpellier	Arsenal (champion 1989 and 1991), Leeds (champion 1992), Manchester United	Monaco Paris SG to come	Blackburn 1992-1995 (champion 1995) then Newcastle	Nantes (champion 1995), Auxerre (champion 1996), Monaco (champion 1997)	Arsenal (champion 1998), Chelsea	Bordeaux (champion 1999), Lyon, Monaco, Lens (champion 1998)	Arsenal (London)	Lyon, Monaco (champion 2000), Nantes (champion 2001), Bordeaux, Paris SG, Lille
Investors / revenues beyond TV rights	-	Bez (Bordeaux) Tapie (Marseille) Lagardère (Matra Racing) Nicollin (Montpellier)	Manchester United 2 nd club on the stock exchange in 1991 (worth £18m) £8m for Baggio from Fiorentina to Juventus in 1990	Tapie (Marseille) Canal + (Paris SG)	1 in Europe in 1996-1997	Canal + (Paris SG), Afflelou (Bordeaux), not sufficient to keep their best players	1 in Europe, BSkyB's attempted takeover of Manchester United in 1998-1999 (£623m)	Canal + (Paris SG) Afflelou (Bordeaux) Louis-Dreyfus (Marseille)	1 in Europe	Canal + (Paris SG) Louis-Dreyfus (Marseille) Pathé (Lyon)

Quality of domestic players ³	Ireland 5-6, England 7-8 Euro 1988 Some of the best players abroad	Not qualified for Euro 1988 Platini retired, Six abroad	England semi-finalist in 1990 World Cup, Ireland in quarter-finals Scotland 5-6, England 7-8 Euro 1992 A few players abroad Shilton 5 th Ballon d'or 1989, Gascoigne 4 th 1990	Not qualified in 1990 World Cup, 5-6 Euro 1992 Blanc and Cantona abroad Papin Ballon d'or 1991	England semi-finalist in Euro 1996 (at home) Ince and Gascoigne abroad Shearer 3 rd Ballon d'or 1996	Semi-finalist in Euro 1996 A few players abroad before Euro 1996 and Bosman case, much more after	England in round of 16 in 1998 World Cup (all men playing in England) Owen 4 th Ballon d'or 1998	1998 World Cup winner (at home) with 12/22 players abroad, 2 more 1998-1999	England qualified in Euro 2000 (only McManaman playing abroad) Beckham 2 nd Ballon d'or 1999	Euro 2000 winner with 14/22 men playing abroad + 5 leaving France after Euro 2000
Quality and quantity of foreign players	Limited number	Different nationalities / continents, not Asia, North and Central America Burruchaga, Förster and Allofs (West Germany), Hateley and Hoddle (England)	Limited number (11 in 1991-1992)	Different nationalities / continents, not from Asia, North and Central America, Burruchaga, Waddle	34% of foreign players in 1995-1996 Cantona 3 rd Ballon d'or 1993, Schmeichel 5 th 1992	18% of foreign players in 1995-1996	37% of foreign players in 1998-1999 Bergkamp 4 th Ballon d'or 1997	22% of foreign players in 1998-1999	From 37% to 56% of foreign players from 1998-1999 to 2004-2005 Henry 4 th Ballon d'or 2000	From 22% to 36% of foreign players from 1998-1999 to 2004-2005

¹ Authors' estimation. ² 'Club Europe': Bordeaux, Lens, Lyon, Marseille, Monaco and Paris. ³ UK and Irish players instead of English players only for England as national TV rights are sold to UK and Irish channels.

Appendix 3 TV rights and characteristics of English and French football first divisions over the period 2001-2008

	2001-2002		2002-2004		2004-2005		2005-2007		2007-2008	
	England	France	England 2002-2003	France	England	France	England 2005-2006	France	England	France
Annual TV rights / domestic competition	£426m (£685.4m) £367m BSKyB (vs competitors but insolvency for ITV-Digital) £59m international	€277.2m (including €40m for 'Club Europe' ¹) Canal + & TPS	£426m (£646.9m) £367m BSKyB (no competition to come) £59m international	€200m (+ €40m for 'Club Europe' ¹ in 2002-2003) Canal + & TPS	£441m (£650m) £333m BSKyB (no competition) £108m international	€284m Canal + & TPS ²	£441m (£646.1m), competition for 2007-2010	€469m Canal + (vs TPS)	£775m (£1,133.1m) £567m BSKyB & Setanta £208m international	€487m €478m Canal + (Orange to come) €9m international
Timing rights t+1	2003	End of 2002	2003	End of 2002	2006	End of 2004	2006	Start of 2008	2009	Start of 2008
Driving force(s)	Manchester United	-	Manchester United	Lyon	Chelsea	Lyon	Chelsea	Lyon	Manchester United and Chelsea (Champions League finalists)	Lyon
Rival(s)	Arsenal (champion 2002), Liverpool	Lyon, Lens, Auxerre, Paris SG, Lille	Arsenal (champion 2004)	Monaco, Paris SG	Manchester United, Arsenal, Liverpool (Champions League winner)	- (Lille first half of season)	Manchester United, Liverpool, Arsenal (Champions League finalist)	-	Arsenal and Liverpool	Bordeaux (Nancy 1 st half of season)
Investors / revenues beyond TV rights	1 in Europe	Canal + (Paris SG) Pathé (Lyon)	1 in Europe, Abramovich (Chelsea, 2003)	Canal + (Paris SG) Pathé (Lyon)	1 in Europe, Glazer (Manchester United)	-	1 in Europe, Lerner (Aston Villa)	Colony Capital (Paris SG) Lyon first French club on the stock exchange (2007)	1 in Europe, Thaksin (Manchester City), Gillett et Hicks (Liverpool)	Colony Capital (Paris SG)

Quality of domestic players ³	England in quarter-finals in 2002 World Cup (only Hargreaves playing abroad) Owen Ballon d'or 2001, Beckham 4 th	Eliminated in first round in 2002 World Cup with 18/23 players abroad	England in quarter-finals in Euro 2004 (Hargreaves and Beckham playing abroad)	Quarter-finals in Euro 2004 with 15/23 players abroad	England qualified for 2006 World Cup (Hargreaves, Beckham and Owen abroad)	Qualified for 2006 World Cup (12/23 of the future players for World Cup abroad)	England in quarter-finals in 2006 World Cup (Hargreaves and Beckham abroad) Lampard 2 nd and Gerrard 3 rd Ballon d'or 2005	2006 World Cup finalist (12/23 players abroad)	No UK teams / Ireland in Euro 2008 but 10 English first-team players in the Champions League final	Eliminated in first round in Euro 2008 (13/23 players abroad)
Quality and quantity of foreign players	From 37% to 56% of foreign players from 1998-1999 to 2004-2005, Asia	From 22% to 36% of foreign players from 1998-1999 to 2004-2005 Ronaldinho	From 37% to 56% of foreign players from 1998-1999 to 2004-2005 Henry 2 nd Ballon d'or 2003	From 22% to 36% of foreign players from 1998-1999 to 2004-2005	56% of foreign players Henry 4 th Ballon d'or	36% of foreign players	55% of foreign players in 2005-2006 Henry 4 th Ballon d'or 2005, 3 rd 2006	36% of foreign players in 2005-2006	60% of foreign players Cristian Ronaldo 2 nd Ballon d'or, Drogba 4 th	33% of foreign players

¹ 'Club Europe': Bordeaux, Lens, Lyon, Marseille, Monaco and Paris.

² Canal + won exclusive TV rights in November 2002 for the 2004-2007 period but this was cancelled by the French Competition Council in January 2003.

³ UK and Irish players instead of English players only for England as national TV rights are sold to UK and Irish channels.

Appendix 4 TV rights and characteristics of English and French football first divisions over the period 2008-2020

	2008-2010		2010-2012		2012-2013		2013-2016		2016-2020	
	England	France	England	France 2010-2011	England	France	England 2013-2015	France 2013-2014	England 2016-2019	France
Annual TV rights / domestic competition	£775m (€923m) £567m BSkyB & Setanta then ESPN £208m international	€501m €494m Canal + & Orange €7m international	£1,061m (€1,230.8m) £594m BSkyB & ESPN £467m international	€511m €17m international Orange to stop, decrease in number of subscribers for Canal +, Al Jazeera to come	£1,061m (€1,308.2m)	€500m €468.5m Canal + & BeIN Sports €31.5 international	£1,749m (€2,226.5m) £1,006m Sky & BT £743m international	€500m €468.5m Canal + & BeIN Sports €31.5 international	£2,789m (€3,905m) £1,712m Sky & BT £1,077m international	€803m? €726.5m Canal + & BeIN Sports €76.5 international
Timing rights t+1	Start of 2009	2011	2012	2011	Start of 2015	2014	Start of 2015	2014		
Driving force(s)	Manchester United	Lyon	Manchester United	Marseille	Manchester United	Paris SG	Chelsea	Paris SG	Manchester United?	Paris SG?
Rival(s)	Liverpool, Chelsea	Bordeaux (champion 2009), Marseille (champion 2010)	Manchester City (champion 2012), Chelsea (Champions League winner 2012)	Lille (champion 2011), Lyon, Paris SG	Manchester City, Chelsea	Marseille, Lyon	Manchester City, Arsenal, Manchester United	Monaco	Manchester City, Chelsea, Arsenal?	?
Investors / revenues beyond TV rights	1 in Europe, Sheikh Mansour (Manchester City, 2008)	Colony Capital (Paris SG)	1 in Europe, Henry (Liverpool, 2010)	Qatar Investment Authority (Paris SG)	1 in Europe	Qatar Investment Authority (Paris SG)	1 in Europe	Qatar Investment Authority (Paris SG) Rybolovlev (Monaco)	1 in Europe	Qatar Investment Authority (Paris SG)?

Quality of domestic players ²	England in round of 16 in 2010 World Cup (all 23 players in England)	Eliminated in first round in 2010 World Cup (12/23 players abroad)	England in quarter-finals in Euro 2012 (all 23 players in England) Rooney 5 th Ballon d'or 2011	Quarter-finals in Euro 2012 (11/23 players abroad)	England qualified for 2014 World Cup (only 1 of future players abroad, Forster)	Qualified for 2014 World Cup (15/23 of the future players abroad)	England eliminated in first round in 2014 World Cup (only 1 player abroad, Forster) but winning all its games in Euro 2016 qualifiers Bale (Wales) abroad	Quarter-finals in 2014 World Cup (15/23 players abroad)	England having won Euro 2016? All best UK players in Premier League? (Bale coming back or not among the best?)	Still most of best players abroad?
Quality and quantity of foreign players	From 60 to 68% of foreign players from 2007-2008 to 2013-2014 Cristiano Ronaldo Ballon d'or 2008, 2 nd 2009 but leaving Torres 3 rd	37% of foreign players in 2009-2010	From 60 to 68% of foreign players from 2007-2008 to 2013-2014	From 37 to 41% of foreign players from 2009-2010 to 2013-2014 Hazard	From 60 to 68% of foreign players from 2007-2008 to 2013-2014	From 37 to 41% of foreign players from 2009-2010 to 2013-2014 Paris SG effect	68% of foreign players in 2013-2014	41% of foreign players (40% in 2014-2015) Ibrahimovic 4 th Ballon d'or 2013, Falcao, James Rodriguez	70% of foreign players? Best players in Premier League?	40% of foreign players?

¹ Authors' estimation.

² UK and Irish players instead of English players only for England as national TV rights are sold to UK and Irish channels.