Gender Equalities in Entrepreneurship: How Close, Or Far, Have We Come in Italy?

Diego Matricano¹ & Mario Sorrentino¹

¹ Department of Management, Università degli Studi della Campania “Luigi Vanvitelli”, Capua (CE), Italy.
Correspondence: Diego Matricano, Department of Management, Università degli Studi della Campania “Luigi Vanvitelli”, Corso Gran Priorato di Malta-81043 Capua (CE), Italy. E-mail: diego.matricano@unicampania.it

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Abstract

Female entrepreneurship is a relevant phenomenon all around the world. In reference to Italy, there has been a growing involvement of women in the creation of start-ups only over the last decades. However, from an extensive literature review, it results that there are no relevant studies aiming to test the main differences between male and female Italian entrepreneurs, especially in reference to the levers affecting their propensity to launch new start-ups. The present paper tries to reduce this gap by testing whether male and female Italian entrepreneurs differ in terms of intellectual capital affecting their propensity to launch new start-ups. The sample used for the present research derives from Global Entrepreneurship Monitor – GEM website, refers to 2013 and comprehends 1,055 female and 997 male entrepreneurs. Results show that male and female Italian entrepreneurs are more similar than expected. Some reflections about the state-of-the-art of female entrepreneurship in Italy and some hints for future research are included in the last section of the paper.

Keywords: female entrepreneurship, entrepreneurial propensity, intellectual capital, start-ups

1. Introduction

The affirmation of female entrepreneurship as an autonomous field of research has not been so easy (Allen et al., 2007). Over the Eighties, in fact, entrepreneurship scholars have looked at this field of research according to different approaches. Gutek and Larwood (1989) are the promoters of one of the more extreme approaches. According to the scholars, “men had carriers, women had temporary employment or jobs that took second place to family interests and obligations” (ibidem, pg. 8). Put simply, according to the two scholars the involvement of women in entrepreneurship is not worth being investigated since it is a secondary choice, following their interest toward family. Without getting into this matter, it is enough saying that other scholars have not embraced this approach. In contrast to this approach, in fact, entrepreneurship scholars have adopted two others. The former is based on the idea that there are no meaningful differences between male and female entrepreneurs (Chaganti, 1986; Birley, 1989); the latter assumes that some differences between them do exist (Gallos, 1989; Gutek & Larwood, 1989; Brush, 1992; Powell & Mainiero, 1992).

According to the former approach, it is not worth explaining the different involvement of men and women in entrepreneurship according to their gender. Both of them, in fact, are involved in a process that is based on the identification of entrepreneurial opportunities – which can be recognized, discovered or created (Sarasvathy et al., 2005; Alvarez & Barney 2007, 2008), that passes through the selection of some of them (Venkataraman, 1997; Shane & Venkataraman, 2000; Shane, 2003; Aldrich & Ruef, 2006) and ends with exploitation of the best one (Shane & Venkataraman, 2000; Shane, 2003; Foss & Foss, 2004; Plummer et al., 2007). All the activities carried out over this process do not depend on gender (Chaganti, 1986; Birley, 1989; Kepler & Shane, 2007).

According to the latter approach, instead, social differences between men and women are so relevant that they cannot be ignored. This stands for entrepreneurship as well. This second approach has received more attention. Some entrepreneurship scholars (Lerner et al., 1997; Langowitz & Minniti, 2007; Minniti & Nardone, 2007; Minniti, 2010), in fact, underline the role that women have in the society, its evolution over the decades and its impact on everyday life. For this reason, it is appropriate to investigate female entrepreneurship according to a different approach.

The present study is in line with the latter approach. Thus the assumption that some differences between male
and female entrepreneurs can exist is embraced herein. In particular, the aim of this paper is to test empirically if there is any difference between male and female Italian entrepreneurs in reference to their propensity to launch new start-ups. In order to achieve the above-cited aim, the paper is structured as it follows. In section two, an extensive literature review is presented. It is focused on the differences between male and female and on their propensity to launch new start-ups. A special focus on Italian female entrepreneurs is included in the second part of this section. After this, in section three, two theoretical frameworks generally used to investigate the individual propensity to launch new start-ups are compared. The first refers to the concept of Entrepreneurial Orientation (EO) while the second refers to the concept of Intellectual Capital (IC). After choosing the most suitable theoretical framework – in this case the one related to IC, the research design is presented in section four. Particular interest is paid on the data deriving from Global Entrepreneurship Monitor – GEM website, referring to 2013 and comprehending 1,055 female and 997 male entrepreneurs and on the methodology (binary logistic regression model). In the same section, the empirical results are presented and discussed. Eventually, in section five, after highlighting the main limitations of the paper, some conclusions are drawn. In the last part of the section, some hints for future research are suggested.

2. Literature Review

Over the years, scholars have largely investigated the topic of female entrepreneurship (Hisrich & Brush, 1984, 1986; Bowen & Hisrich, 1986; Chaganti, 1986; Scott, 1986; Aldrich et al., 1989; Birley, 1989; Nelson, 1989; Stoner et al., 1990; Brush, 1992; Cromie & Birley, 1992; Smith et al., 1992; Aldrich, 1999; Brush et al., 2001; Sarri & Trihopoulou, 2005; Ahl, 2006; Allen et al., 2007; Zhang et al., 2009; Minniti, 2010; Jennings & Brush, 2013). Since it is not possible to recall all the results achieved by the above contribution, only the ones that are more related with the propensity to launch new start-ups are going to be considered.

Brush et al. (2001) authored an interesting study that is worth recalling herein. It is entitled “The Diana Project. Women Business Owners and Equity Capital: The Myths Dispelled” and it aims to dismantle eight myths about female entrepreneurship: 1) women don’t want to own high growth businesses; 2) women don’t have the right educational backgrounds to build large ventures; 3) women don’t have the right types of experience to build large ventures; 4) women aren’t in the network and lack the social contacts to build a credible venture; 5) women don’t have the financial savvy or resources to start high growth businesses; 6) women don’t submit business plans to equity providers; 7) women-owned ventures are in industries unattractive to venture capitalists; and 8) women are not a force in the venture capital industry. The discussion about the eight myths helps to redefine the way of looking at female entrepreneurship and their involvement in the creation of start-ups.

Minniti (2010) authored one of the most interesting and complete studies about female entrepreneurship (the sample comprehended individuals from thirty-four nations). The scholar has investigated objective and subjective microeconomic factors. The former group comprehends age, education, working status, earnings and networking activities. The latter group includes the discovery of entrepreneurial opportunities, self-confidence, risk management and locus of control. According to the scholar, the only objective factor that affects the entrepreneurial activity of female entrepreneurs is networking. This result is in line with previous studies (Aldrich, 1999; Allen et al., 2007) even if the debate about this topic is still open. In particular, the relatives network has been investigated since it can have both a positive and negative impact on female entrepreneurship (Aldrich & Brush, 1986; Stoner et al., 1990) or, on the opposite, it can offer a very relevant support both in large ventures; 4) women aren’t in the network and lack the social contacts to build a credible venture; 5) women don’t have the financial savvy or resources to start high growth businesses; 6) women don’t submit business plans to equity providers; 7) women-owned ventures are in industries unattractive to venture capitalists; and 8) women are not a force in the venture capital industry. The discussion about the eight myths helps to redefine the way of looking at female entrepreneurship and their involvement in the creation of start-ups.

Zhang et al. (2009) have investigated four main differences that might arise between male and female entrepreneurs over the pre-start-up phase. Achieved results show that female entrepreneurs need to face more obstacles in order to launch their new ventures. They are less inclined toward seeking for angel financing, they invest less resources (both financial and human ones), they cannot easily reach potential customers outside their network and they need to provide more guarantees for a loan.

Eventually, Chaganti (1986) and Brush (1992) have focused their attention on some managerial aspects related to the start-up phase and they have disclosed very interesting results. First of all, female entrepreneurs manage their firms in an adaptive and flexible way. Put simply, they tend to avoid long-term decisions. Second, they use a style of leadership aiming to involve and motivate human resources working with them. In other words, they are more sympathetic than men. Third, female entrepreneurs do not evaluate results only in terms of revenues. They consider personal goals as important as economic results.

The above results underline that some differences between male and female entrepreneurs do exist. However, since entrepreneurship is a phenomenon that strictly depends on the context in which it takes place (Zanni, 1995;
Even if the origins of EO can be dated back to 1973 when Mintzberg started theorizing about strategic Orientation (EO), the latter is related to Intellectual Capital (IC). The Attitude towards entrepreneurship very often: the former is related to Entrepreneurship (White et al., 2009). However, great attention is paid on two main theoretical frameworks that attitude toward entrepreneurship (Engle et al., 2010), the social norms or the social evaluation of Theory of Planned Behaviour (Ajzen, 1991), the Perceived Behavioural Control (Krueger et al., 2010), the Generally speaking, when dealing with propensity to launch new start-ups, management scholars can refer to the levers affecting their inclination to launch new start-ups. For this reason, it is appropriate to choose the most suitable theoretical frameworks.

At this stage, a preliminary reflection about gender equality is necessary. Even if it seems that something is changing in reference to gender equality – meaning that in reference to economic and working decisions both men and women can access to resources and opportunities and in reference to everyday life both men and women can behave and express their expectations and needs in a different way (Kabeer, 2005, 2016; Lewis & Giullari, 2005; Grip et al., 2016) – some differences between male and female entrepreneurs still exist in Italy. Since some differences still exist, it is interesting to test if male and female entrepreneurs in Italy differ in terms of levers affecting their inclination to launch new start-ups.

3. Theoretical Framework and Research Hypotheses

As already anticipated, the aim of this paper is to test empirically if there is any difference between male and female Italian entrepreneurs in reference to the levers affecting their propensity to launch new start-ups. For this reason, it is appropriate to choose the most suitable theoretical frameworks.

Generally speaking, when dealing with propensity to launch new start-ups, management scholars can refer to the Theory of Planned Behaviour (Ajzen, 1991), the Perceived Behavioural Control (Krueger et al., 2010), the attitude toward entrepreneurship (Engle et al., 2010), the social norms or the social evaluation of entrepreneurship (White et al., 2009). However, great attention is paid on two main theoretical frameworks that are used to explain inclination towards entrepreneurship very often: the former is related to Entrepreneurial Orientation (EO), the latter is related to Intellectual Capital (IC).

Even if the origins of EO can be dated back to 1973 when Mintzberg started theorizing about strategic decision-making, it is only with Miller’s contribution (1983) that EO is formalized and the three dimensions composing it (innovativeness, risk taking, and proactiveness) are clearly defined. Since then, several management scholars have investigated the concept (Covin & Slevin, 1989, 1991; Lumpik & Dess, 1996; Lyon et al., 2000; Covin et al., 2006; Hughes & Morgan, 2007; Lumpik et al., 2009; Covin & Wales, 2012; Wales et al., 2013; Wales, 2016). In particular, management scholars have focused their attention on the items used for the measurement of EO. For this reason, they have questioned, criticised, enlarged or modified the three dimensions (innovativeness, risk taking, and proactiveness) composing EO (Lumpik & Dess, 1996; Hughes & Morgan, 2007). Since it is a tall order to define the number of dimension composing EO, it is accepted herein the original proposal (Miller, 1983). Thus, Lumpkin and Dess (2001, pg. 431) argue: “innovativeness refers to a willingness to support creativity and experimentation in introducing new products/services, and novelty, technological
leadership and R&D in developing new processes. Risk taking means a tendency to take bold actions such as venturing into unknown new markets, committing a large portion of resources to ventures with uncertain outcomes, and/or borrowing heavily. Proactiveness is an opportunity-seeking, forward-looking perspective involving introducing new products or services ahead of the competition and acting in anticipation of future demand to create change and shape the environment”. The dimensions reported above have been largely used also to test gender differences among entrepreneurs (Hansen et al., 2011; Lim & Envick, 2011; Goktan & Gupta, 2015) and so the framework could be useful for the present study as well.

Another framework that is more and more used by management scholars in order to investigate the individual propensity to launch new start-ups is the one based on IC (Peña, 2002; Hayton, 2005; Hormiga et al., 2011; Link and Ruhm, 2011; Musteen and Ahsan, 2013; Matricano, 2016). Galbraith (1969) proposed this framework in order to investigate the intellectual contribution made by individuals working in knowledge-intensive ventures. Generally speaking, entrepreneurship scholars investigating IC consider three dimensions: human, structural and relational capital (Sullivan, 1999; Brennan and Connell, 2000; Petty and Guthrie, 2000; Sanchez et al., 2000; Roos et al., 2001; Peña, 2002; Kaufmann and Schneider, 2004; Boedker et al., 2005; Hormiga et al., 2011; Musteen and Ahsan, 2013). Despite other proposals – considering external (customer-related), internal (structural) and human capital (Sveiby, 1997; Roos et al., 1997; Stewart, 1997; Bontis et al., 2000) or market, human, intellectual and infrastructural capital (Brooking, 1996), or even human, customer, structural, social, technological and spiritual capital (Khalique et al., 2011, 2015) – there is a general agreement on the idea that IC is made up of relational, structural and human capital. Relational capital stands for the tangible and intangible value of all the established relationships (Bontis, 2001; Montequin et al., 2006; Cabrita and Bontis, 2008; Wu et al., 2008; Hsu and Fang, 2009). Structural capital, instead, refers to transformation of human and relational capital into new knowledge (Hormiga et al., 2011). Eventually, by human capital, entrepreneurship scholars refer to individual competences (such as knowledge, skills, and personal capabilities), motivation and leadership and intellectual agility (Khalique et al., 2015). Also the above dimensions have been used in order to study female entrepreneurship (Minniti, 2010).

Both the frameworks can be useful to test if there is any difference between male and female Italian entrepreneurs in reference to their propensity to launch new start-ups. The choice, of course, need to be rooted in the topic of research, i.e. female entrepreneurship. A very important contribution in this vein comes from Jalbert (2000) who argues that in reference to female entrepreneurship it is always very important to consider the industry female entrepreneurs are in. High- or low-tech industries affect the dynamics of female entrepreneurs. Since in the present paper there is no specific reference to high-tech start-ups, and in particular there is no reference to innovativeness (technological leadership and R&D activities), the IC framework (comprehending relational, structural, and human capital) seems more befitting to the present study (Table 1). See also Matricano (2016).

Table 1. The theoretical framework

<table>
<thead>
<tr>
<th>Independent variables</th>
<th>Dependent variables</th>
</tr>
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<tbody>
<tr>
<td>Relational capital</td>
<td>Propensity to launch new start-ups</td>
</tr>
<tr>
<td>Structural capital</td>
<td></td>
</tr>
<tr>
<td>Human capital</td>
<td></td>
</tr>
</tbody>
</table>

In order to test if there is any difference between male and female Italian entrepreneurs in reference to their propensity to launch new start-ups, three research hypotheses – respectively referred to human, structural and relational capital – are proposed. In reference to relational capital (H1), it is possible to hypothesize that:

**H1a:** The relationship between relational capital and individual propensity to launch new start-ups is stronger for Italian male entrepreneurs.

The rival hypotheses assumes that:

**H2b:** The relationship between relational capital and individual propensity to launch new start-ups is stronger for Italian female entrepreneurs.

In reference to structural capital (H2), it is possible to hypothesize that:

**H2a:** The relationship between structural capital and individual propensity to launch new start-ups is stronger for
Italian male entrepreneurs.

The rival hypotheses assumes that:

**H2b:** The relationship between structural capital and individual propensity to launch new start-ups is stronger for Italian female entrepreneurs.

In reference to human capital (H3), it is possible to hypothesize that:

**H3a:** The relationship between human capital and individual propensity to launch new start-ups is stronger for Italian male entrepreneurs.

The rival hypotheses assumes that:

**H3b:** The relationship between human capital and individual propensity to launch new start-ups is stronger for Italian female entrepreneurs.

### 4. Research Design and Results

In order to pursue the aim of this paper, i.e. to test if there is any difference between male and female Italian entrepreneurs in reference to their propensity to launch new start-ups, binomial logistic regression models are estimated for male and female entrepreneurs. Binomial logistic regression model is chosen according to the nature of data that – as already said – are second hand data. GEM considers relational, structural, and human capital (the independent variables in the model) and propensity to launch new start-ups (the dependent variables in the model) as binary variables. All of the variables are coded 0 if individuals do not have human, structural, and relational capital or if they do not have any propensity to launch new start-ups or they are coded 1 if they have. This is the model 1 that is going to be tested.

Statistical elaborations present two main problems: robustness of results and collinearity. In order to guarantee robustness of results it is appropriate to refer to a big sample of respondents. In this case, the choice to download data from GEM website guarantee a certain amount of answers. 2,052 are the Italian entrepreneurs responding to the survey. The parameter “gender” has been considered when carrying out the sampling procedure. This parameter has defined two mutually exclusive and collectively exhaustive groups – 997 are male while 1,055 are female entrepreneurs (see Table 2). The sampling procedure seems promising also in reference to the analysis of achieved results. By comparing male and female entrepreneurs, new insights can derive.

<table>
<thead>
<tr>
<th>Gender</th>
<th>Sample size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>997</td>
</tr>
<tr>
<td>Female</td>
<td>1,055</td>
</tr>
<tr>
<td>TOTAL</td>
<td>2,052</td>
</tr>
</tbody>
</table>

Always in reference to robustness of results, it is appropriate to include some control variables in the model. These variables, which are related to the dependent variable but from another point of view, can strengthen the robustness of results. In this paper, two control variables are considered: fear of failure and level of competition. Of course, in order to include them in binomial logistic regression model, they both are binomial variables coded 0 if entrepreneurs do not have fear of failure and do not perceive high competition and coded 1 if entrepreneur have fear of failure and perceive a high level of competition. This is the model 2 that is going to be tested.

In order to avoid collinearity among independent variables (the second problem linked to statistical elaborations), the variance inflation factor (VIF) is considered. In particular, attention needs to be paid over the calculated collinearity statistics, in particular tolerance and VIF, and over collinearity diagnostics, in particular condition index. In Table 3, collinearity statistics (in particular tolerance and VIF) are shown.
Table 3. Collinearity statistics of models 1 and 2 by gender

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th></th>
<th>Female</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Model 1</td>
<td>Tolerance</td>
<td>VIF</td>
<td>Model 2</td>
</tr>
<tr>
<td>Relational capital</td>
<td>0.937</td>
<td>1.068</td>
<td>0.925</td>
<td>1.081</td>
</tr>
<tr>
<td>Structural capital</td>
<td>0.973</td>
<td>1.027</td>
<td>0.967</td>
<td>1.034</td>
</tr>
<tr>
<td>Human capital</td>
<td>0.946</td>
<td>1.057</td>
<td>0.933</td>
<td>1.072</td>
</tr>
<tr>
<td>Fear of failure</td>
<td>0.991</td>
<td>1.009</td>
<td>0.995</td>
<td>1.005</td>
</tr>
<tr>
<td>Level of competition</td>
<td>0.964</td>
<td>1.038</td>
<td>0.986</td>
<td>1.014</td>
</tr>
</tbody>
</table>

According to the principles of statistics, values of tolerance need to be higher than 0.50 and values of VIF need to be lower than 2. All the values included in Table 3 respect the above limits.

In order to be sure that there is no collinearity among independent variables, it is appropriate to calculate the condition index, a value included among collinearity diagnostics (Table 4).

Table 4. Collinearity diagnostics of models 1 and 2 by gender

<table>
<thead>
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<th>Male</th>
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<th>Female</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Model 1</td>
<td>Condition index</td>
<td>Model 2</td>
<td>Condition index</td>
</tr>
<tr>
<td>Constant</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Relational capital</td>
<td>1.834</td>
<td>1.743</td>
<td>1.536</td>
<td>1.592</td>
</tr>
<tr>
<td>Structural capital</td>
<td>1.977</td>
<td>1.934</td>
<td>1.582</td>
<td>1.718</td>
</tr>
<tr>
<td>Human capital</td>
<td>2.475</td>
<td>2.061</td>
<td>1.956</td>
<td>1.787</td>
</tr>
<tr>
<td>Fear of failure</td>
<td>2.342</td>
<td>1.952</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level of competition</td>
<td>3.591</td>
<td>3.460</td>
<td></td>
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</tr>
</tbody>
</table>

According to the principles of statistics, values of condition index higher than thirty disclose strong collinearity; values comprehended between fifteen and thirty reveal a suspected collinearity; values lower than fifteen do not show any collinearity among independent variables. As shown by values included in Table 4, there is no collinearity among independent variables.

At this stage, it is possible to elaborate binomial logistic regression models. Elaborations have been conducted using a forward Wald approach (see Table 5).

Table 5. Estimated binomial logistic regression models by gender

<table>
<thead>
<tr>
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<th>Male</th>
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<th>Female</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Model 1</td>
<td>Model 2</td>
<td>Model 1</td>
<td>Model 2</td>
</tr>
<tr>
<td>Constant</td>
<td>0.051</td>
<td>0.054</td>
<td>0.063</td>
<td>0.062</td>
</tr>
<tr>
<td></td>
<td>(0.000)</td>
<td>(0.000)</td>
<td>(0.000)</td>
<td>(0.000)</td>
</tr>
<tr>
<td>Independent variables</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relational capital</td>
<td>1.574</td>
<td>3.401</td>
<td>0.061</td>
<td>0.011</td>
</tr>
<tr>
<td></td>
<td>(0.036)</td>
<td>(0.065)</td>
<td>(0.804)</td>
<td>(0.970)</td>
</tr>
<tr>
<td>Structural capital</td>
<td>2.263</td>
<td>2.372</td>
<td>2.182</td>
<td>2.533</td>
</tr>
<tr>
<td></td>
<td>(0.133)</td>
<td>(0.124)</td>
<td>(0.140)</td>
<td>(0.112)</td>
</tr>
<tr>
<td>Human capital</td>
<td>6.090</td>
<td>6.302</td>
<td>3.673</td>
<td>3.551</td>
</tr>
<tr>
<td></td>
<td>(0.000)</td>
<td>(0.000)</td>
<td>(0.000)</td>
<td>(0.000)</td>
</tr>
<tr>
<td>Control variables</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fear of failure</td>
<td>0.325</td>
<td>1.165</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(0.569)</td>
<td>(0.280)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level of competition</td>
<td>2.348</td>
<td>3.411</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(0.038)</td>
<td>(0.030)</td>
<td></td>
<td></td>
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<tr>
<td>Model diagnostics</td>
<td></td>
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</tbody>
</table>
The above results need to be carefully analyzed. From model 1 about male entrepreneurs, it results that relational and human capitals affect propensity to launch new start-ups (the coefficients are respectively 1.574 and 6.090). Attention needs to be paid over H1 and H3. By considering also the control variables, the achieved results change. From model 2, in fact, it results that only human capital affects the propensity to launch new start-ups of male entrepreneurs in Italy (the coefficient is 6.302). Thus H3 is the only hypothesis that needs to be considered. Level of competition is the control variable that gives robustness to the theoretical model.

In reference to female entrepreneurs, model 1 shows that only human capital affects the propensity to launch new start-ups (the coefficient is 3.673). Attention needs to be paid only over H3. Even after the introduction of the control variables, the result is still the same. From model 2, in fact, it results that it is only human capital that still affects the propensity to launch new start-ups of female entrepreneurs in Italy (the coefficient is 3.551). Again, level of competition is the control variable that gives robustness to the theoretical model and only H3 is the hypothesis that needs to be considered. This means that for Italian male and female entrepreneurs, knowledge, skills, and personal capabilities (considered herein as human capital) are the only factors that affect the propensity to launch new ventures. In reference to the IC framework, this result is very interesting since it drives to question about the relevance of structural and relational capital that – instead – have been relevant in previous entrepreneurship studies (Matricano, 2016, 2017).

From the above results, it seems that in reference to the propensity to launch new ventures, male and female entrepreneurs in Italy have achieved a kind of gender equality. For both of them, in fact, only human capital seems relevant when investigating the levers affecting the inclination to launch new ventures. However, some differences still exist. In reference to H3, it results that H3a is confirmed while H3b is not. This means that the relationship between human capital and propensity to launch new start-ups is stronger for Italian male entrepreneurs rather than for Italian female entrepreneurs (6.302) rather than for Italian female entrepreneurs (3.551).

5. Conclusion and Further Developments

The present paper has investigated the phenomenon of female entrepreneurship in Italy. Achieved results are very interesting from an empirical and a theoretical point of view.

From an empirical point of view, the present study discloses intriguing implications. Achieved results, in fact, show that only human capital is relevant for both male and female entrepreneurs in Italy. Both relational capital and structural capital are not significant, neither for male nor for female entrepreneurs. This implies that equalities exist between male and female entrepreneurs. However, a significant difference emerges in reference to the coefficients: the relationship between human capital and propensity to launch new start-ups is stronger for Italian male entrepreneurs rather than for Italian female entrepreneurs. Respectively, the coefficients are 6.302 for men and 3.551 for women.

Achieved results have important implications for entrepreneurship researchers. Despite the difference between the coefficients, in fact, it is very relevant the fact that only human capital is relevant for both male and female entrepreneurs in Italy. Put simply, this paper has started from the idea that some differences exist between male and female entrepreneurs in terms of levers affecting their inclination to launch new start-ups but then it has achieved the opposite result. Empirical evidences drive to change the approach to female entrepreneurship. Entrepreneurship – both male and female one – does not depend on gender (Chaganti, 1986; Birley, 1989; Kepler & Shane, 2007).

Hopefully, the above considerations can be relevant for the development of further theories about female entrepreneurship. In particular, it would be very attractive to investigate the antecedents that might have driven towards gender equality in entrepreneurship – in Italy or in other countries – or the consequences related to it. In reference to the antecedents, it would be interesting to pay attention and speculate on the social and cultural changes that are taking place in favour of women and that make scholars admit that entrepreneurship is not a male activity any more (Narayanasamy et al., 2011). In reference to the consequences, instead, it would be interesting to study and test if gender equality exists also in terms of achieved success (McClelland et al., 2005).
The present paper discloses that many steps have been taken for the recognition of gender equality in entrepreneurship but – at the same time – it reminds that many steps still have to be taken for its effective achievement.

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Although this article is the result of a joint effort of analysis and reflection, DM authored sections 1, 3, 4 and 5 and MS authored section 2. Both the authors read and approved the final manuscript.

References


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