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Study on the Factors Affecting the Choices of Initiative Areas for Prospective Rural Women Entrepreneurs in Izmir Province

İzmir İlinde Kırsal Kadın Girişimci Adaylarının Girişim Alanlarını Etkileyen Faktörler Üzerine Bir Çalışma

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ABSTRACT

This study encompasses three important objectives. Firstly, to determine the socio-economic factors affecting the choice of initiative areas of the prospective women entrepreneurs in rural areas; secondly, to present their opinions about agriculture policies and finally; to give suggestions in order to increase the number of women entrepreneurs. "The promotion of women's entrepreneurship in rural areas' project" has been implemented for the first time in Turkey. Fifty women were successful in a test conducted by a Small and Medium Enterprises Development Organization, and primarily earned support for their projects. In this study, the fifty prospective women entrepreneurs were met in person and asked to fill in the questionnaire. The multinomial logistic regression model was used to determine the factors affecting the choice of work areas of these prospective entrepreneurs. Their choices were processing and marketing own agri-products, opening breakfast restaurants and using own food products there, and engaging in handicraft businesses, with the remaining wanted to work in other areas. According to the results of the multinomial logistic regression model, the variables that cause positive distinctiveness between the ones who wanted to open breakfast restaurants and the ones who wanted to process and market the agri-products were 'age' and 'being open to innovation'. However, the variables like 'whether the women are effective in agriculture policies or not', 'the frequency of participating in cultural activities' and the 'uncertainty in the prices of agri-products' had a negative distinctiveness.

ÖZET

Bu çalışmanın üç önemli amacı bulunmaktadır. İlki, kırsalda kadın girişimci adaylarının girişim alanı tercihlerini etkileyen sosyo-ekonomik, faktörlerin neler olduğunu belirlemek, ikincisi kadın girişimci adaylarının tarım politikalarıyla ilgili görüşlerini ve beklentilerini ortaya koymak, son olarak kırsalda kadın girişimcilerin artırılması, alternatif faaliyet alanları ve tarım politikalarındaki etkinliklerinin artırılması için önerilerde bulunmaktadır. Türkiye'de "kırsal alanda kadın girişimciliğinin desteklenmesi projesi" uygulamaya ilk olarak konmuştur. Küçük ve Orta Ölçekli İşletmeleri Geliştirme ve Destekleme İdaresi Başkanlığı (KOSGEB) tarafından gerçekleştirilen girişimcilik testinde 50 kadın başarılı olmuştur ve öncelikli olarak projeleri desteklenmeye hak kazanmıştır. Bu çalışmada 50 kadın girişimci adaylarıyla yüz yüze anket yoluyla görüşülmüştür. Kadın girişimcilerin girişim alanı tercihlerini etkileyen faktörler belirlenirken multinomial logit modelden kullanılmıştır. Kadın girişimci adaylarının hazırladıkları proje konuları incelendiğinde tercih ettikleri faaliyet alanlarının tarım işletmelerinden elde ettikleri ürünleri işlemek ve pazarlamak, genelde kendi ürünlerini değerlendirerek kahvaltı yeri açmak, el sanatları ve diğer alanlar olduğu dikkati çekmektedir. Multinomial regresyon sonucuna göre, "kahvaltı yeri açmak" isteyenlerle, tarımsal ürününü işlemek ve pazarlamak isteyenler arasında yaş, yeniliklere açık olma pozitif ayırt edici özelliğe sahipken, kadınların tarım politikalarında etkin olup olmadığı görüşü, kültürel etkinliklere katılma sıklığı, tarım ürünleri fiyatlarında belirsizlik olup işlemek ve pazarlamak isteyenler arasında ise çocukluktan beri tarımsal faaliyette bulunanlar bulunmayanlara göre diğer faaliyet alanlarını tercih etme olasılığını azaltmaktadır.

INTRODUCTION

In Turkey, 23.6% of the total employment force (25,524,000) is women. 37.7% of the total of female's employees work in rural areas, whereas 31.05% of the total of male employees work there. 36.7% women of the total female population work in rural areas and 28% of them work in urban ones. However, the percentages of men, out of the total male population, working in both rural and urban areas is 71.6% and 71.2% respectively. 80% (3,130,000 people) of the women working in rural areas work in the agriculture sector. 19.93% of the women working in this sector work on a daily basis (regular and casual employees), 0.38% of them as employers, 13.45% of them work for themselves (own account workers), and 66.26% of them work unpaid as a family employee (TÜİK, 2014). The low ratio of women in the total employment figures, and the significant part of women's work being unpaid as family employees, makes it essential to take the necessary precautions to protect the female workforce and to produce policies to create economic value.

There are many organizations in Turkey that support the projects aimed at female entrepreneurship. These are the General Directorate of Women's Status, the Turkish Business Council, the Small and Medium Enterprises Development Administration (KOSGEB), the South Eastern Anatolia Project, Union of Chambers and Commodity Exchanges of Turkey, the Turkish Confederation of Tradesmen and Artisans of Turkey, the Association for Women Entrepreneurs, the Foundation for the Support of Women's Work, the Turkish Grameen Microcredit Project, and the Turkish Development Foundation (İplik, 2012, Soysal, 2013). In particular, the European Union initiatives, the OECD, and the UN supporting female entrepreneurship, have led to progress in this area in Turkey.

Considering the international literature on women's entrepreneurship in rural areas, recent studies have mostly focused on utilizing of microcredit and the factors affecting women's entrepreneurship. According to the study conducted by Ahmed, F. et. al, (2011) in Bangladesh, the proportion of the rural women, with credit, who have contributed to their family income, is much higher (19%) than that of rural women without credit (10%). The results of the multiple regression analysis in the same study showed that there were strong positive effects when considering the age of the women, their level of education, the family size, the earning member in the family, the occupation of the women, and also the monthly income of the women. In

contrast, the marital status of the women had a strong negative effect. However, it can be perceived that the micro credit programs only help the rural women borrowers to survive, and do not help them to develop entrepreneurial skills (Afrin, *et al.*, 2008). The financial management skills and the group identity of the women borrowers have a significant relationship with the development of rural women entrepreneurship in Bangladesh. The result of a study by Anthopoulou (2010) in Greece regarding rural women in agrofood production showed that the women started up their businesses making use of tacit knowledge and know-how, and the family character of the business minimized the entrepreneurial risk. In another study in Iran (Hosseini *et al.*, 2009), it was discovered that contact with agricultural experts was the main influencing factor in the entrepreneurial activities of rural women. Kumbhar (2013) reported that successful entrepreneurs are always the role model in society for women who have the ability for entrepreneurship and lead to them undertaking economic activities to prove their ability. Unfortunately, there is no sufficient provision of such type of interaction to inculcate knowledge and provide experiences for successful women entrepreneurs. Studies in India have shown that rural entrepreneurship is the answer in removing the rural poverty there, but the problem is that most of the rural youth do not think of entrepreneurship as a career option (Saxena, 2012; Parveen and Hundekar S.G. 2012).

In the recent Turkish academic literature, some studies have analyzed the factors affecting female entrepreneurship (Yetim, 2012; Tamer, 2013; Soysal A.; 2013, Öztürk, Akkoc, 2013), whereas some of them focused on women in rural areas and female entrepreneurship (Gülçubuk, 1999; Kantar, 1999; Kızılaslan and Yamanoğlu, 2010; İplikci, 2012; Kızılaslan and Erçoban, 2013; Soysal, 2013). A relatively small number of studies have been conducted in this field in Turkey; and a limited amount of them have focused on the differences between entrepreneurs and non-entrepreneurs. However, no study in Turkey has ever concentrated on the possible areas that the prospective women entrepreneurs would like to work in or the factors affecting their preferences. It's important to determine these factors as it will help in devising and shaping both policies and projects in rural areas.

The basic objectives of this study are:

- To determine the socio-economic factors affecting the choice of initiative areas of the prospective women entrepreneurs in rural areas

- To present their opinions about agriculture policies and their expectations from the policies
- To give suggestions in order to increase the number of female entrepreneurs in rural areas, alternative sectors they can work in, and to improve the effectiveness of agriculture policies.

MATERIAL and METHOD

‘The Promotion of Women Entrepreneurship in Rural Areas’ project has been implemented for the first time, and Izmir was chosen as the pilot province by the Food, Agriculture and Livestock Ministry. Izmir is the third biggest metropolitan city in Turkey, and is located in the Aegean Region. Its square measure is 12,012 square kilometers. According to the data from 2013, its population is approximately 4,061 thousand. 11% of the population is employed in the agriculture sector. The Izmir plant and animal production rate within the total production rate in Turkey is 3 and 4 respectively. 133 women applied to take part in the project. Out of this number, 50 women passed the prospective entrepreneur test conducted by KOSGEB, who gave financial support them for their projects. The support included a stipend of up to 30,000 TL; and interest-free credit of up to 70,000 TL due after two years. The prospective 50 entrepreneurs also got 10 days of training and prepared projects for their desired work areas. Within this study, a survey was

conducted with the fifty selected prospective women entrepreneurs, in person. The survey was conducted in February, 2014. The data received from the survey is the primary material for the study. The other studies related to women in rural areas and statistics within this context constitute the secondary material of the study.

The Multinomial (polytomous) Logistic Regression model was used in order to determine the factors affecting the choice of work area of the prospective female entrepreneurs. The preferred work area was taken as a dependent variable. Three work areas were taken into consideration: the processing and marketing of agri-products, opening breakfast restaurants, and others. The handicrafts sector was considered in ‘others’. The reason for this classification was that the women in the other two categories wanted to use their own grown agri-products in their businesses.

In the multinomial logistic regression, for a dependent variable with the M categories, the M-1 number of equations, representing the relationship among the dependent and independent variables, and comparing each category with a reference category are required. For each category of the dependent variable, except for the reference category, an equation can be written as follows (Menard, Scott W., 2002);

$$g_h(X_1, X_2, \dots, X_k) = e^{(a_h + b_{h1}X_1 + b_{h2}X_2 + \dots + b_{hk}X_k)} \quad h = 1, 2, \dots, M - 1, \quad (0.1)$$

where the subscript *k* refers to specific independent variables, *X* and the subscript *h* refers to the specific values of the dependent variable, and *Y* for the reference category, $g_0(X_1, X_2, \dots, X_k) = 1$. The probability that *Y* is equal to any value *h* other than the excluded value *h*₀ is:

$$P(Y = h | X_1, X_2, \dots, X_k) = \frac{e^{(a_h + b_{h1}X_1 + b_{h2}X_2 + \dots + b_{hk}X_k)}}{1 + \sum_{h=1}^{M-1} e^{(a_h + b_{h1}X_1 + b_{h2}X_2 + \dots + b_{hk}X_k)}} \quad h = 1, 2, \dots, M - 1, \quad (0.2)$$

For the excluded category *h*₀ = *M* or 0,

$$P(Y = h_0 | X_1, X_2, \dots, X_k) = \frac{1}{1 + \sum_{h=1}^{M-1} e^{(a_h + b_{h1}X_1 + b_{h2}X_2 + \dots + b_{hk}X_k)}} \quad h = 1, 2, \dots, M - 1. \quad (0.3)$$

The dependent variable (*Y*) shows the preferred work area of the entrepreneurs. ‘The processing and marketing of agri-products’, the reference category, is coded as 0, ‘opening a breakfast restaurant’ is coded as 1, and ‘other work areas’ as 2. Therefore, created model is consisting of three categories in the study. There are two logit functions in the model. In the first

function, the first category, ‘opening a breakfast restaurant’ is compared with the reference category, whereas in the second function, the second category, ‘other work areas’ is compared with the reference category. The ‘processing and marketing of agri-products’ category is taken as a reference category, as it is the most preferred work area.

There were twelve independent variables (X) included in this study. The digits and percentages related to the explanatory variables are presented in Table 1. Age, education, income level, the areas where women spend most of their time, openness to innovation, frequency of participating in cultural activities, association memberships, working in

agriculture since childhood, and still working in some type of agricultural activity, which factors primarily affect their business plan, whether they think that women play an active role in agricultural activities or not, and whether they think that the prices of agri-products are uncertain or not, are considered as explanatory variables in the model.

Table 1. Determination of VAR lag-structur

Dependet variable (Y)	Type of Variable	Description	Frequency	Percent(%)
	Categorical	1 Process and marketing their own produced agri-products	24	48.0
		2 Open to breakfast restaurants	15	30.0
		3 Other activities	11	22.0
Independent variables (X)				
Age (AGE)	Ordinal	1: 20-30	7	14.0
		2: 31-40	15	30.0
		3: 41-50	19	38.0
		4:51-65	9	18.0
Education (EDU)	Ordinal	1: primary school	17	34.0
		2: secondary school	6	12.0
		3: high school	15	30.0
		4: universty	12	24.0
Income level (TL) (INCM)	Ordinal	1:1500-3000	41	82.0
		2:3001-4000	4	8.0
		3:4001-5000	2	4.0
		4:5001-6000	1	2.0
		5:6001 ≤ x	2	4.0
The areas where spend most of their lives (LVS)	Categorical	0: provincial and district	22	44.0
		1: villages and towns	28	56.0
Oppenes to innovation (INNO)	Ordinal	1: disagree	1	2.0
		2: neutral	2	4.0
		3: agree	8	16.0
		4: strongly agree	38	76.0
Freuquancy of paticiping in cultural activities (CLTR)	Ordinal	1: no	6	12.0
		2:2-4	27	54.0
		3: 4-6	8	16.0
		4: 6 ≤	9	18.0
Assocations membership (MMS)	Ordinal	1: no	30	60.0
		2:1	9	18.0
		3: 2 kere	4	8.0
		4: 3 ≤ x	7	14.0
Which factor primarily effects on their business plan (PLAN)	Categorical	1: higher of risk	2	4.0
		2: the lack of competition	4	6.0
		3: a well-known line of business	27	54.0
		4: high profability	18	36.0
Working in agriculture since childhood (CHILD)	Dichotomus	0: no	25	50.0
		1: yes	25	50.0
Still working in some type of agricultural activity (ACTVTY)	Categorical	0:no	6	12.0
		1:sometimes	11	22.0
		2:yes	33	66.0
Think that women play an active role in agriculture policy (ARL)	Dichotomus	0: no	36	72.0
		1: yes	14	28.0
Think that the prices of agri-products are uncertain or not (PRICE)	Ordinal	1:strongly disagree	31	62.0
		2:disagree	17	34.0
		3:neutral	2	4.0

RESULTS and DISCUSSION

When the project areas are observed according to the suggested projects by the prospective female entrepreneurs, it is clear that their preferred areas are processing and marketing their own produced agri-products (48%), opening breakfast restaurants and using their own products there (30%), working in the handicraft business (12%), and (10%) other areas (energy production, website design, marketing agency, etc.). Almost 33.3% of the ones who wanted to engage in processing and marketing the agri-products intended to focus on animal products, 37.5% on olives and olive oil; and the remaining 29.2% intended to focus on fruits and vegetables. The regional differences in the production patterns in Turkey led the women entrepreneurs in the rural areas to focus on different agri-products. According to a study in Osmaniye, 40% of female entrepreneurs were engaged in livestock breeding, 30% were associated with handicrafts, and 25.8% were working in the food sector (such as pickle and jam making) (Iplikci, 2012).

As far as the area where they spend most of their time is concerned, it was revealed that almost 54% of the women spend most of their time in villages, 4% of them in towns, 38% of them in counties, and 4% of them in cities. It was determined that no statistically significant difference was found between the proposed projects of the female entrepreneurs and the area where they spend most of their time (Pearson Chi-Square 10.268, $p 0.329 > 0.05$).

48% of the women living in villages were intending to process agri-products, and 33% of them were planning to open breakfast restaurants, whereas 50% of the women living in towns wanted to focus on the breakfast sector. 52.6% of the women living in counties were planning to process and market the agri-products, and 26.3% of them were intending to open breakfast restaurants.

Almost 66% of the producers of agri-products stated that they had enough capital to fund their projects at the initial stage. In particular, the 91.7% of the ones who were planning to process the agri-products stated that they had this initial capital. However, 100% of the ones who were intending to engage in handicrafts businesses did not state that they had any initial capital. 73.3% of the ones intending to open breakfast restaurants stated that they had enough capital for it. Consequently, there was a statistically significant difference found between the work areas of the proposed projects and having capital for the initial stage (Pearson Chi-Square 28.758, $p 0.00 < 0.05$). The desired budget for each project ranged from 13,025 TL to 600,000 TL.

There was no significant difference found between the project work area and the desired budget (One-way Anova, $f 0.640$, $p 0.593 > 0.05$).

When the views of entrepreneurs on their closeness to their ideals in many aspects of life were analyzed, it was observed that 23% of them chose "strongly agree", 29% chose "agree", 8.3% chose "indecisive", 6.3% chose "disagree", and 8.3% chose "strongly disagree". No statistical findings were encountered between the work areas of the entrepreneurs and their views on their closeness to their ideals. Pearson Chi-Square 11.941, $p 0.450 > 0.05$. When the question of 'what do you think is the most important characteristic in an entrepreneur?' was asked, 42% of the female entrepreneurs answered courage, whereas 58% of them said innovation. There was no statistically significant difference found between this variable and the preferred work area (Pearson Chi-Square 2.381, $p 0.497 > 0.05$).

Only 18% of the prospective female entrepreneurs had a membership to a cooperative; and 78% of the cooperatives were agriculture cooperatives. There was no statistically significant difference found between this variable and the dependent variable (Pearson Chi-Square 0.389, $p 0.942 > 0.05$). Here, it is important to note that there was no trend to obtain a membership for nascent women cooperatives. Currently, there are 93 women cooperatives in Turkey; and 74% of them are business cooperatives (Özdemir and Yılmaz, 2010). When their amount of participation in agricultural activities was asked, 69.4% of the female entrepreneurs answered that they participate, 8% of them said they did not, and 22% of them answered that they participate occasionally. In Turkey, the women, and especially those who belong to the families that had less land participated in all the stages of crop and animal production (Gülçubuk, 1999; Kızılaslan and Yamanoğlu, 2010a; Kızılaslan and Erçoban, 2013).

In a study conducted in Tokat, a province in Turkey, it was revealed that couples make mutual decisions on children, education, and shopping, whereas in the matters of family budget, men were more influential. In the decisions relating to agricultural production, 61% of the women participate, and 19.88% of them participate partially; whereas 18.7% of them don't participate at all (Kızılaslan and Yamanoğlu, 2010). This study shows that with decisions related to agricultural production, 68% of the prospective women entrepreneurs take them mutually with their husbands, 12% of them are influenced by family elders and 8% of them leave the decisions to their husbands while 8% of them take the

decisions themselves; and 4% of them don't participate in any type of agricultural activity.

When the question as to the effectiveness of women in agriculture policies was asked, 28% of them answered that they were effective. Categorizing on the basis of desired work areas, 25% of the women who wanted to process and market their own grown agri-products, 33% of those who wanted to open breakfast restaurants, again 33% of those who wanted to engage in handicraft businesses, and 20% of the those who wanted to work in other areas answered that women were indeed effective in agriculture policies. 86% of the prospective female entrepreneurs gave a negative answer to the question of their satisfaction with the agricultural policies applied in Turkey.

When their opinion on agricultural policy types that should be devised by the government was asked, 48% of them said that the subsidies should be increased, 20% said that measures should be taken to ensure an appropriate market prices for the agri-products, 4% of them stressed the need for policies focusing on determining regional production patterns, 4% of them were in favor of banning the import of agri-products, 2% of them were of the view that measures should be taken to improve the marketing of local agri-products, and 2% were in favor of increasing the number of workshops in order to educate the farmers. However, 10% of them did not state any idea. It is important to note that no

statistically significant difference was found between whether they participated in any type of agricultural activity or not, or the effectiveness of the women in agricultural policies. However, 30.3% of those who regularly participated in any type of agricultural activities, and 27.3% of those who participated irregularly, thought that women were effective in agri-policies.

Results of Multinomial Regression: The independent variables included in the multinomial logit model, are given in Table 1. The estimated results of the model are provided in both Tables 2 and 3. The likelihood ratio test of the model shows that the model is statistically significant. According to the results, there was a significant relationship between the dependent and independent variables. In this study, the dependent variable represents the preferred work areas of the prospective female entrepreneurs. It was divided into three categories: the processing and marketing of own agri-products, opening a breakfast restaurant, and other work areas. The handicraft sector is considered in 'others'. The processing and marketing of agri-products', and the reference category, is coded as 0, 'opening a breakfast restaurant' is coded as 1, and 'other work areas' is coded as 2. In the first function, the first category, 'opening a breakfast restaurant' is compared with the reference category, whereas in the second function, the second category, 'other work areas' is compared with the reference category.

Table 2. Model Fitting Information

Model	Model Fitting Criteria		Likelihood Ratio Tests	
	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	96.627			
Final	54.709	41.918	24	.013*
Pseudo R-Square	Cox and Snell 0.590	Nagelkerke 0.677	McFadden 0.434	
<i>Likelihood Ratio Tests</i>				
Effect	Model Fitting Criteria		Likelihood Ratio Tests	
	-2 Log Likelihood of Reduced	Chi-Square	df	Sig.
Intercept	59.380	4.671	2	.097
LVS	57.366	2.657	2	.265
CHILD	62.310	7.602	2	.022*
EDU	57.058	2.350	2	.309
INCM	58.013	3.305	2	.192
ARL	59.694	4.986	2	.083**
AGE	66.629	11.921	2	.003*
CLTR	60.274	5.565	2	.062**
MMS	54.821	.112	2	.946
ACTVTY	58.610	3.901	2	.142
PRICE	58.997	4.289	2	.117
PLAN	56.051	1.342	2	.511
INNO	62.207	7.498	2	.024*

* Significant at $p < 0.05$. ** Significant at $p < 0.10$.

The results of the first equation show (Table 3), there is distinctiveness present between those who wanted to open breakfast restaurants, and those who wanted to process and market the agri-products. The explanatory variables such as age ($P<0.05$), whether the women were effective in agri-policies or not ($P<0.10$), the frequency of participating in cultural activities ($P<0.10$), whether there was uncertainty in the prices of agri-products or not ($P<0.10$), and openness to innovation ($P<0.05$) are distinctive. Age effects 'openness to innovation' positively; but it has a negative effect on variables such as 'whether the women were effective in agri-policies or not', the 'frequency of participating in cultural activities' and the 'uncertainty in the prices of agri-products'. With a one unit increase 'age' variable, the probability of opening a breakfast restaurant increased 26.70 times. However, with a one unit increase in 'openness to

innovation', its probability increases 20 times. With a one unit increase in the opinion that the women were effective in agricultural policies, the probability of opening a breakfast restaurant decreased 21.27 times; whereas its probability decreased 4.36 times with a one unit increase in 'the frequency of participating in cultural activities'. Moreover, its probability also decreased 10.10 times with a one unit increase in the opinion that the prices of agri-products were uncertain. The results of the second equation were used to identify the distinction between those who wanted to process and market the agri-products and those who wanted to engage in 'other work areas'. According to them, with a one unit increase in the engagement with some types of agricultural activities since childhood, the probability of choosing 'other work areas' decreased 27.02 times.

Table 3. Parameter estimates of multinomial logistic regression results.

		B	Std. Error	Wald	df	Sig.	Exp(B) Upper Bound	95% Confidence Interval for Exp(B) Lower Bound Upper Bound		
Open to breakfast restaurants (1)	Intercept	2.479	9.486	.068	1	.794				
	LVS	2.342	1.680	1.943	1	.163	10.399	.386	279.904	
	CHILD	-1.901	1.292	2.164	1	.141	.149	.012	1.881	
	EDU	1.069	.906	1.394	1	.238	2.914	.494	17.201	
	INCM	.339	.839	.164	1	.686	1.404	.271	7.271	
1st Eq. estimates	ARL	-3.054	1.558	3.842	1	.050**	.047	.002	1.000	
	AGE	3.285	1.452	5.119	1	.024*	26.703	1.552	459.588	
	CLTR	-1.476	.872	2.866	1	.090**	.229	.041	1.262	
	MMS	-.264	.838	.099	1	.753	.768	.149	3.971	
	ACTVTY	.222	.902	.061	1	.805	1.249	.213	7.313	
	PRICE	-2.315	1.238	3.497	1	.061**	.099	.009	1.118	
	PLAN	-.331	.953	.121	1	.728	.718	.111	4.651	
	INNO	2.996	1.357	4.874	1	.027*	19.998	1.399	285.758	
	Other activities (2)	Intercept	16.972	9.184	3.415	1	.065			
		LVS	-.119	1.261	.009	1	.925	.888	.075	10.508
CHILD		-4.019	1.924	4.363	1	.037*	.018	.000	.781	
EDU		-.339	.688	.243	1	.622	.712	.185	2.743	
INCM		-1.258	.890	1.998	1	.158	.284	.050	1.627	
ARL		-.799	1.262	.401	1	.526	.450	.038	5.331	
2st Eq. estimates		AGE	-.167	.752	.049	1	.824	.846	.194	3.697
		CLTR	.966	1.090	.785	1	.376	2.627	.310	22.253
		MMS	-.153	.739	.043	1	.836	.858	.202	3.651
		ACTVTY	-1.709	1.066	2.572	1	.109	.181	.022	1.462
		PRICE	-1.471	1.265	1.352	1	.245	.230	.019	2.742
		PLAN	-.999	.897	1.241	1	.265	.368	.064	2.136
		INNO	-1.237	1.834	.455	1	.500	.290	.008	10.563

a The reference category is: process and marketing their own produced agri-products (0). *) Significant

CONCLUSION

According to the results of the multinomial logistic regression, the variables that cause positive distinctiveness between those who wanted to open breakfast restaurants and those who wanted to process and market the agri-products, are 'age' and 'being open to innovation'. However, the variables such as 'whether the women are effective in agri-policies or not', 'the frequency of participating in cultural activities' and 'uncertainty in the prices of agri-products' had a negative distinctiveness. The women who had been engaged in agriculture since childhood were less likely to choose other areas when compared to processing and marketing agri-products. Based on the results, the following recommendations can be given in order to improve women entrepreneurship in rural areas:

- A large percentage (48%) of the women showed an intention to process and market their own grown agri-products. Most had been working in the agriculture sector since childhood, and thought that women are effective in agriculture policies. It is important to note that the women did not have a membership of female cooperatives; and also the cooperatives were not developing in the rural areas in Izmir. In order to be effective in agriculture policies and be strong economically, the women should be encouraged to take up membership with the cooperatives. Within this concept, it is important to raise women's awareness regarding the importance of organizations, and to thus encourage them in this direction.
- The women interested in the other areas such as handicrafts, mentioned a shortage of capital. These women should be given information about credit, microcredit programs, and other financing instruments.

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- Those who wanted to open breakfast restaurants also complained about the price instability in agri-products. Thus, different marketing strategies should be developed to market the products directly from the producer to the consumer in the breakfast restaurants.
- Almost 37.5 % of the women prepared projects on the marketing of olives and olive oil. Therefore, the similarities among the products, especially in the Aegean region, make it easier to educate the women through market specific training programs. In order to market their products more effectively, they can be encouraged to create their own webpage.
- The female entrepreneurs in rural areas should be encouraged to engage in higher income generating businesses instead of only traditional ones; and different courses may also be arranged in this regard.
- It is important to disseminate the results of this project to the whole of Turkey. However, for a long lasting effect, the social and economic impact of the project on the women should be analyzed carefully; and the necessary support should be provided.
- The success stories of women entrepreneurs should be communicated to other prospective women entrepreneurs.

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