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Agritourism as an Economic Development Enterprise: An Undergraduate Research Analysis Exercise

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Agritourism Economic Development in North Carolina: An Undergraduate Research Analysis Exercise

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Abstract

Agrillourism is a value added agricultural activity. In North Caroline, it has influenced agriculture since 1940 with about 196 firms for protocle agriculture nursely. A margies of top in counties but the Agrillourism in North Caroline is careful out and the factor that discounted a copyright and additionated and another in social for a counties is registered under the counties is registered under the Multiple latter counties and the counties are registered. The Multiple latter counties also with a factor that and the Agrillourism with the largest Agrillourism reactions. The Agrillourism with the largest Agrillourism reactions are settled and the Machinery counties are considered and the Agrillourism with the largest Agrillourism reactions. Agrillourism with the largest Agrillourism reactions are settled to the Machinery of Agrillourism reactions. The settled with visibility and Particle County (fabril 8 2). The study also suggested for this man receipts and the number of farms per county are the variables that are bound significant concenting Agrillourism adoption.

Narrative

percent of the farms are operating on forty acres of land or less. Agriboration is becoming a significant source of hornor to fix half lams which the creats count. Income is earned from the tess bat these farmers charge in their agriburian operations. Seventy seven of the terms charge a familision fee to city which wherety percent charge a fee for fourtime activities, in order to advertee that operations, seventy seven of the communication stops and the most by word of mouth beout the operation of agriculties and it spread the notes by word of mouth beout the operation of agriculties and it spread the host by word of mouth beout the operation of agriculties and it spread the host of TX commercials and advertisement. Many of the farmers of EAU381 the tars of TX commercials and advertisement. Many of the farmers that they are covered. 85 are not covered, and the farmer have responded and delimed that they are covered. 85 are not covered, and the farmer have responded with my or daint (Gas. 2005). In order to determine the density of agriculture in North Caroline Courties, a survey was conducted in Augst 18, 2005, 850 farmers received the survey by mail; of trat humber, 739 were assible reports. 391 respondents confirmed they had an agritourism enterprise and were operating it. The survey also showed that the five major leading counties in agritourism operations are Wake, Gulford, Henderson, Randolph, and Johnson. Agritourism by region in North Ceroline is thirty one percent in the Western, forty two percent in the Pledmont, and wenty seven in the Agritourism has been an influencing factor of diversified agriculture that's been around since the 1940s. In North Carolina, the number of farmers practicing agritourism has increased from twenty six in 1940 to 196 in 2005, (Glass, 2005). Out of this number, fifty thirty one percent in the Western, forty two percent in the Fleams Costal (class, 2005). Assembly searing percent in costal (class, 2005). Assembly septing (29%), april (20%), assembly searing (29%), full (27%), 2005). Three percent of the farms that particular in Agritourism:

- te two specific objectives of the study are as followed:
 Examine the different counties within North Carolina that offer Agritourism.
 Identify descriptive variables within the top 10 highest and lowest counties of North Examine the different counties.
 Identify descriptive variables Carolina that offer Agritourism.

Description of Research Methodology

Cross sectional data were used in addressing both objective

- Objective 1: The data for this objective consisted of Agritourism operations within each county the registered with the North Cerolina Department of Agriculture. There was a total of 600+ active operations.
- Objective 2. The data with regards to population needed for this objective was driven by the factors deemed to imflavore the toy 10 fighers the other deemed in Neth Casterine that offer Application. The veriables considered were 1) number of population of counties (2) median income of the counties; 3) number of family and so the counties; 3) number of family sets to county, and 3) different ethnic operators per county, All data were the byset 2012.

The methods applied per each objective are as follows:

- Objective it: The method explicid in Objective it consists of searching the data for an overview of the top 10 highest and lowest counties with regards to population of Agricourism offered in the siste of North Carolina, then a descriptive statistical snalyse of the Agricourism operation was performed.
- Objective 2. The method consisted of correlation and regression enabysis. With the correlation model, a matrix of of correlation conflictents was statisted from the vertibles islead eloop. This was objected to multiple regression model with the number of Agrituation operators in a county as the dependent vertible and the regression model with the number of Agrituation operators in a county as the dependent vertible and the



Table 1:Top 10 Highest Counties in NC with Agritourism

		The same of the same of the same of					
	Positiat on		farms Cash	farmt per		Minorities, Agritourism	Assitage Age
Counties							
Mecklenburg	962,839	\$1,983	\$153,755,496.00	787	14	140	59.9
Wake	945,522	\$3,252	\$73,729,796.00	783	107	31.5	61.8
Guilford	201,767	\$4,783	560,696,762.00	362	98	27.5	\$6.3
lorsyth	357,710	\$4,297	\$21,844,767.00	299	20	15.5	60.1
Cumberland	330,260	\$2,454	\$107,324,000.00	386	23	5.5	62.7
Durham	281,443	\$1,470	\$9,923,042.00	232	19	9.5	603
Buncombe	245,319	\$2,125	\$20,807,731.00	1,060	22	18	60.4
New Hanover	209,891	\$155	\$4,190,810.00	50	0	0	N/A
	208,570	\$650	\$22,965,533.00	520	16	7	65
	207.775	\$5.577	\$464 077 235 00	1.059	53	8.5	202

Table 2: Top 10 Lowest Counties in NC with Agritourism

							AVETAGE Age G
Louising		In ome	Rece pit	County	Operators	Average	
lyrrell	4,143	\$742	\$51,166,892.00	78	80	0	N/A
Hyde	5,746	\$4,520	\$74,452,788.00	158	18	0	62.8
Graham	8,850	\$186	\$2,781,872.00	107	01	7	N/A
Camden	10,015	\$982	\$59,126,137.00	09	15	2.5	N/A
fones	10,613	\$1,617	\$155,429,369.00	170	Ω	0	NVA
Alieghany	10,974	\$1,061	\$46,048,845.00	295	9	10	63.3
Gates	12,121	\$778	00'160'185'91\$	182	31	0	59
Washington	12,809	\$1,129	\$104,471,574.00	156	13	0	N/A
Pamirco	13,170	\$1,052	\$26,087,407.00	80	2	0	N/A
Perquimans	13,682	\$876	\$87,996,896.00	185	22	1	N/A

Figure 1: NC Agritourism Locations Map



The results from Table 1 indicate that out of the 600+ registered Agritourism countly operations, these are the top 10 iseding countly operations, these are that bop 100 iseding countly consist in Neth Central that offer Agriculam. The lagracts Intributed to Agriculam is consist in Medicination of Central White the emiliest number was found in New Henroer, Tyrell, Hyd. Johnse, Celte, Westlandighor, and Parillico Countly (Teble 1 & 2). All of these counties except for Medicinating are located in the coastel region of the state.

Results Cont'd

In percentage of farms with Agritourism with largest versus smallest only two factors, population and farm cash receibts, seemed to have a significant feel (table 3). Despite the fact that over 4d percent of the variation in the number of a dignostran operations variable can be explained by the independent variables. Meaning that the independent variables had not a fact that the percentage of the snappsis if togather but have very title defect individually. The lack of Independent variables performed in the analysis fit together but have very fittle effect individually. The lack of statistical importance is also verified by the lack of any considerable relationship between Agritourism operations and these variables that were lested in the model (Tables 1 & 2). Number of farms and farm oneh receipts had the highest releasorship.

Table 3: Results of Multiple Regression Data Analysis

ANOVA				1 00000				
	df	x	WS	ł	Significance F			
Regression	3	1360.688716 453.56	453.56	20.9926588	1.70928E-10			
Residual	96	2030,943937 21,606	21.606					
Total	26	3391.632653						
-	Coefficients	· 21	tStat	P-yahe	Lower 95%	Upper 95%	Upper 95% Lower 95.0%	Upper 95.0%
Intercept	2.180632994	0.860342383 2.5346 0.	2.5346	0.012909596	0,472403024	3.88862963	0.472403024	3.88862963

	Coefficients	Carpuration State Cycle (State Product Cover 95% Upper 95,0% Upper 95,0% Upper 95,0%	E S	- Valle	OFF 33%	Upper 35%	LOWER 95.0%	Cipper 35.0%
Intercept	2.180632994	0.860342383	2.5346	0.012909596	0.860342383 2.5346 0.012909596 0.472403024 3.888662963	3.88862963	0.472403024	3.88862963
Population	0.017296326		5.2622	8.941816-07	0.003286918 5.2622 8.94181£-07 0.010770073 0.023822579	0.023822579	0.010770073 0.023822579	0.023822579
Median Income	0.00163955		4.2271	5.48383E-05	0.00086943	0.00086943 0.002409669	0.00086943	0.00086943 0.002409669
Farm Cash Receipts	-0.000499048	0	-152	.000308118 -1.52 0.108654808	-0.001110825	0.000112728	0.000112728 -0.001110825 0.000112728	0.000112728
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Summary and Conclusions

By using a multiple regression model, research suggest that the number of thems and fain cash receipts per county are two vertables that were found significant concentring Agricultural accidentify Agricultural accidentify Agricultural accidentify Agricultural accidentification in the accident regions of the state based on the population and number of farms per outside the tweel that the number of farms and fairm cash receipts had the highest restoration by with Agricultural activity. Farmers within these counties are surrounded by other farmers with these counties are surrounded by other expension to remits before deductional sponsors and essistance to emish following.



Resources

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