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Bayesian Network Analysis for the Questionnaire Investigation on the Impression at Fuji City

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Abstract

Shopping streets at local city in Japan became old and are generally declining. In this paper, we handle the area rebirth and/or regional revitalization of shopping street. We focus on Fuji city in Japan. Four big festivals are held at Fuji city. Many people visit these festivals including residents in that area. Therefore a questionnaire investigation to the residents and visitors is conducted during these periods in order to clarify residents and visitors' needs for the shopping street, and utilize them to the plan building of the area rebirth and/or regional revitalization of shopping street. In this paper, we mainly focus the impression the visitors feel and analyze them. These are analyzed by using Bayesian Network. The analysis utilizing Bayesian Network enabled us to visualize the causal relationship among items. Furthermore, sensitivity analysis brought us estimating and predicting the prospective visitors. These are utilized for constructing a much more effective and useful plan building. We have obtained fruitful results. To confirm the findings by utilizing the new consecutive visiting records would be the future works to be investigated.

Keywords: Fuji city, area rebirth, regional vitalization, festival, Bayesian network

1. Introduction

Shopping streets at local city in Japan are generally declining. It is because most of them were built in the so-called "High Growth Period (1954-1973)". Therefore they became old and area rebirth and/or regional revitalization are required everywhere.

There are many papers published concerning area rebirth or regional revitalization. Inoue (2017) has pointed out the importance of tourism promotion. Ingu et al. (2017) developed the project of shutter art to Wakkanai Chuo shopping street in Hokkaido, Japan. Ohkubo (2017) has made a questionnaire research at Jigenji shopping street in Kagoshima Prefecture, Japan and analyzed the current condition and future issues. For about tourism, many papers are presented from many aspects as follows.

Yoshida et al. designed and conducted a visitor survey on the spot, which used a questionnaire to investigate the activities of visitors to the Ueno district in Taito ward, Tokyo. Doi et al. analyzed the image of the Izu Peninsula as a tourist destination in their 2003 study "Questionnaire Survey on the Izu Peninsula." Kano conducted tourist behavior studies in Atami city in 2008, 2009, 2014 and in other years.

In this paper, we handle the area rebirth and/or regional revitalization of shopping street. We focus on Fuji city in Japan. Fuji city is located in Shizuoka Prefecture. Mt. Fuji is very famous all around the world and we can see its beautiful scenery from Fuji city, which is at the foot of Mt. Fuji. There are two big shopping street in Fuji city. One is Yoshiwara shopping street and another one is Fuji shopping street. They became old and building area rebirth and regional revitalization plan have started. Following investigation was conducted by the joint research group (Fuji Chamber of Commerce & Industry, Fujisan Area Management Company, Katsumata Maruyama Architects, Kougakuin University and Tokoha University). The main project activities are as follows.

A. Investigation on the assets which are not in active use

B. Questionnaire Investigation to Entrepreneur

C. Questionnaire Investigation to the residents and visitors

After that, area rebirth and regional revitalization plan were built.

In this paper, we handle above stated C.

Four big festivals are held at Fuji city. Two big festivals are held at Yoshiwara district (Yoshiwara shopping street) and two big festivals at Fuji district (Fuji shopping street).

At Yoshiwara district, Yoshiwara Gion Festival is carried out during June and Yoshiwara Shukuba (post-town) Festival is held during October. On the other hand, Kinoene Summer Festival is conducted during August and Kinoene Autumn Festival is performed during October at Fuji district. Many people visit these festivals including residents in that area.

Therefore questionnaire investigation of C is conducted during these periods.

Finally, we have obtained 982 sheets (Yoshiwara district: 448, Fuji district: 534).

Basic statistical analysis and Bayesian Network analysis are executed based on that.

In this paper, a questionnaire investigation is executed in order to clarify residents and visitors' needs for the shopping street, and utilize them to the plan building of the area rebirth and/or regional revitalization of shopping street. In this paper, we mainly focus the impression the visitors feel and analyze them. These are analyzed by using Bayesian Network. By that model, the causal relationship is sequentially chained by the characteristics of visitors, the purpose of visiting and the image of the surrounding area at this shopping street. The analysis utilizing Bayesian Network enabled us to visualize the causal relationship among items. Furthermore, sensitivity analysis brought us estimating and predicting the prospective visitors.

Some interesting and instructive results are obtained.

The rest of the paper is organized as follows. Outline of questionnaire investigation is stated in section 2. In section 3, Bayesian Network analysis is executed which is followed by the sensitivity analysis in section 4. Remarks are stated in section 5.

2. Outline and the Basic Statistical Results of the Questionnaire Research

2.1 Outline of the Questionnaire Research

A questionnaire investigation to the residents and visitors is conducted during these periods in order to clarify residents and visitors' needs for the shopping street, and utilize them to the plan building of the area rebirth and/or regional revitalization of shopping street. The outline of questionnaire research is as follows. Questionnaire sheet is attached in Appendix 1.

(1)	Scope	of	:	Residents and visitors who have visited four big festivals at Fuji
	investigation			city in Shizuoka Prefecture, Japan
(2)	Period		:	Yoshiwara Gion Festival: June 11,12/2016
				Yoshiwara Shukuba (post-town) Festival: October 9/2016
				Kinoene Summer Festival: August 6,7/2016
				Kinoene Autumn Festival: October 15,16/2016
(3)	Method		:	Local site, Dispatch sheet, Self writing
(4)	Collection		:	Number of distribution 1400
				Number of collection 982(collection rate 70.1%)
				Valid answer 982

2.2 Basic Statistical Results

Now, we show the main summary results by single variable.

2.2.1 Characteristics of Answers

(1) Sex (Q7)

Male 48.9%, Female 51.1%

These are exhibited in Figure 1.



(2) Age (Q8)

10th 16.2%, 20th 14.8%, 30th 22.4%, 40th 17.4%, 50th 11.6%, 60th 10.5%, More than 70 7.1% These are exhibited in Figure 2.



Figure 2. Age (Q8)

(3) Residence (Q9)

a. Fuji city 56.4%, b. Fujinomiya city 18.0%, c. Numazu city 7.2%, d. Mishima city 2.3%, e. Shizuoka city 4.2%, F. Else (in Shizuoka Prefecture) 5.1%, g. Outside of Shizuoka Prefecture 6.9%

These are exhibited in Figure 3.



Figure 3. Residence (Q9)

(4) How often do you come to this shopping street? (Q1)

Everyday 17.4%, More than 1 time a week 16.5%, More than 1 time a month 25.8%,

More than 1 time a year 31.6%, First time 4%, Not filled in 4.8%

These are exhibited in Figure 4.



Figure 4. How often do you come to this shopping street? (Q1)

(5) What is the purpose of visiting here? (Q2)

Shopping 18.8%, Eating and drinking 13.4%, Business 7.4%, Celebration, event 40.2%,

Leisure, amusement 4.0%, miscellaneous 16.1%

These are exhibited in Figure 5.



(6) How do you feel about the image of the surrounding area at this shopping street? (Q3) These are exhibited in Figure 6.



Figure 6. How do you feel about the image of the surrounding area at this shopping street? (Q3)

(7) There are many old building at the age of nearly 50 years. Do you think we can still use them? (Q4). Can use it 44.1%, Cannot use it 31.4%, Have no idea 24.5%. These are exhibited in Figure 7.



Figure 7. There are many old building at the age of nearly 50 years. Do you think we can still use them? (Q4)

3. Bayesian Network Analysis

In constructing Bayesian Network, it is required to check the causal relationship among groups of items. Based on this, a model is built as is shown in Figure 8.



Figure 8. A built model

We used BAYONET software (http://www.msi.co.jp/BAYONET/). When plural nodes exist in the same group, it occurs that causal relationship is hard to set a priori. In that case, BAYONET system set the sequence automatically utilizing AIC standard. Node and parameter of Figure 8 are exhibited in Table 1.

	1				Dor	omatar						
Node	1	2	3		4	5	6	7	5	R ()	10
Gender	Male	Female			•	5	0	,			-	10
Age	10th	20th	301	h	40th	50th	60th	More than 70	0			
The purpose of visiting	Shopping	Eating and drinking	Busin	ness	Celebrati on event	Leisure, amuse ment	miscell aneous					
The image of the surrounding area at this shopping street	Beautiful	Ugly	Of the feeling	united there	Scattered	Varied	Feature less	New	His i	stor Fi c c nat	ull of ture	Urban
Node	11	10		10	Pa	arameter	16	17	10	10	2	0
The image of surrounding are this shopping so	the ea at Cheer treet	rful Glooi	my Ind	ividuali stic	Conven tional	Friendl y	Unfri endly	Heale d	Stimu lated	Open	Ex si	clu ve
Node					Pa	rameter						
Node	21	22	23	24	25	26	27	2	28	29		30
The image of the surrounding area a this shopping stree	t Want to t reside	Do not want to reside	Warm	Aloof	Fascinati	ng Not fascir ating	Want n to g play	Waı exaı delibe	nt to mine erately	Livel	y (Calm
			Node Parameter									
				ftha	3.	1	32					
		surrour shc	nding are	a at this reet	Atmos e of u	spher A rban of	tmospher frural area	e a				

Table 1. Node and parameter

4. Sensitivity Analysis

Now, posterior probability is calculated by setting evidence as, for example, 1.0. Comparing Prior probability and Posterior probability, we can seek the change and confirm the preference or image of the surrounding area at this shopping street. We set evidence to all parameters. Therefore the analysis volume becomes too large. In this paper, we focus on "The image of the surrounding area at this shopping street" and pick up latter half and make sensitivity analysis. We prepare another paper for the rest of them.

As stated above, we set evidence for each parameter, and the calculated posterior probability is exhibited in Appendix 2. The value of "Posterior probability-Prior probability" (we call this "Difference of probability" hereafter) is exhibited in Appendix 3. The sensitivity analysis is executed by mainly using this table.

Here, we classify each item by the strength of the difference of probability.

- Strong (++, --): Select major parameter of which absolute value of difference of probability is more than 0.05
- Medium (+, -): Select major parameter of which absolute value of difference of probability is more than 0.01
- Weak: Else

In selecting items, negative value does not necessarily have distinct meaning, therefore we mainly pick up positive value in the case meaning is not clear.

Now we examine each for Strong and Medium case.

- 4.1 Sensitively Analysis for "The Image of the Surrounding Area at This Shopping Street"
- (1) Setting evidence to "Healed"

After setting evidence to "Healed", the result is exhibited in Table 2.

Table 2. Setting evidence to "Healed" case

Of the united feeling there is	+
Scattered	—
Cheerful	+
Individualistic	+
Friendly	+
Unfriendly	—
Open	+
Fascinating	+
Want to play	+
Lively	+
Age: 10th	++
Age: 20th	++
Age: 40th	—
Age: 50th	
Age: 60th	
Age: More than 70	

We can observe that "Those who have an image of the surrounding area at this shopping street as "Healed" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Cheerful", "Individualistic", "Friendly", "Open", "Fascinating", "Want to play" or "Lively" of an age of "10th" or "20th".

(Strong part is indicated by bold font.)

(2) Setting evidence to "Stimulated"

After setting evidence to "Stimulated", the result is exhibited in Table 3.

Table 3. Setting evidence to "Stimulated" case

Want to play	—
Age: 10th	
Age: 20th	—
Age: 30th	—
Age: 50th	
Age: More than 70	_

There were only weak positive items.

(3) Setting evidence to "Open"

After setting evidence to "Open", the result is exhibited in Table 4.

Table 4. Setting evidence to "Open" case

Of the united feeling there is	+
Fascinating	+
Want to play	+
Lively	+
Male	+
Female	—
Age: 10th	++
Age: 20th	+
Age: 50th	
Age: More than 70	—

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We can observe that "Those who have an image of the surrounding area at this shopping street as "Open" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Fascinating", "Want to play" or "Lively" of an age of "**10th**" or "20th" in which the gender is "Male".

(4) Setting evidence to "Exclusive"

After setting evidence to "Exclusive", the result is exhibited in Table 5.

Table 5. Setting evidence to "Exclusive" case

Shopping	+
Individualistic	_
Friendly	_
Unfriendly	+
Fascinating	_
Want to play	—
Lively	_
Atmosphere of urban	_
Male	_
Female	+
Age: 10th	
Age: 20th	++
Age: 40th	+
Age: 50th	+
Age: 60th	+
Age: More than 70	++

We can observe that "Those who have an image of the surrounding area at this shopping street as "Exclusive" had come with the purpose of visiting for "Shopping" under the image of the surrounding area at this shopping street as "Unfriendly" of an age of "**20th**", "40th", "50th", "60th" or "**More than 70**" in which the gender is "Female".

(5) Setting evidence to "Want to reside"

After setting evidence to "Want to reside", the result is exhibited in Table 6.

Table 6. Setting evidence to "Want to reside" case

Age: 10th	+
Age: 20th	+
Age: 30th	—
Age: 50th	—
Age: 60th	_
Age: More than 70	++

We can observe that "Those who have an image of the surrounding area at this shopping street as "Want to reside" had come by an age of "10th","20th" or "**More than 70**".

(6) Setting Evidence to "Do not want to reside"

After setting evidence to "Do not want to reside", the result is exhibited in Table 7.

Male	+
Female	—
Age: 20th	
Age: 30th	—
Age: 40th	+
Age: 50th	
Age: 60th	++
Age: More than 70	_

Table 7. Setting evidence to "Do not want to reside" case

We can observe that "Those who have an image of the surrounding area at this shopping street as "Do not want to reside" had come by an age of "40th" or "**60th**" in which the gender is "Male".

(7) Setting Evidence to "Warm"

After setting evidence to "Warm", the result is exhibited in Table 8.

Table 8. Setting evidence to "Warm" case

Eating and drinking	_
Of the united feeling there is	+
Individualistic	+
Fascinating	+
Want to play	+
Male	—
Female	+
Age: 10th	++
Age: 30th	—
Age: 50th	
Age: 60th	—
Age: More than 70	—

We can observe that "Those who have an image of the surrounding area at this shopping street as "Warm" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Individualistic", "Fascinating" or "Want to play" of an age of "**10th**" in which the gender is "Female".

(8) Setting evidence to "Aloof"

After setting evidence to "Aloof", the result is exhibited in Table 9.

Table 9. Setting evidence to "Aloof" case.

Male	+
Female	_
Age: 10th	
Age: 30th	_
Age: 40th	+
Age: 50th	++
Age: 60th	+
Age: More than 70	_

We can observe that "Those who have an image of the surrounding area at this shopping street as "Aloof" had come by an age of "40th", "**50th**" or "60th" in which the gender is "Male".

(9) Setting evidence to "Fascinating"

After setting evidence to "Fascinating", the result is exhibited in Table 10.

Table 10. Setting evidence to "Fascinating" case

Eating and drinking	_
Beautiful	+
Of the united feeling there is	+
Scattered	_
Varied	+
Cheerful	+
Individualistic	+
Friendly	+
Unfriendly	—
Healed	+
Stimulated	_
Open	+
Want to play	+
Lively	+
Atmosphere of urban	+
Age: 10th	++
Age: 20th	++
Age: 40th	_
Age: 50th	
Age: 60th	

We can observe that "Those who have an image of the surrounding area at this shopping street as "Fascinating" had come under the image of the surrounding area at this shopping street as "Beautiful", "Of the united feeling there is", "Varied"," Cheerful", "Individualistic", "Friendly", "Healed", "Open" "Want to play", "Lively" or "Atmosphere of urban" of an age of "**10th**" or "**20th**".

(10) Setting evidence to "Not fascinating"

After setting evidence to "Not fascinating", the result is exhibited in Table 11.

Table 11. Setting evidence to "Not fascinating" case

Of the united feeling there is	_
Cheerful	_
Individualistic	_
Want to play	_
Lively	_
Age: 10th	
Age: 20th	_
Age: 30th	+
Age: 50th	+
Age: 60th	++
Age: More than 70	+

We can observe that "Those who have an image of the surrounding area at this shopping street as "Not fascinating" had come by an age of "30th", "50th", "60th", or "More than 70".

(11) Setting evidence to "Want to play"

After setting evidence to "Want to play", the result is exhibited in Table 12.

Table 12. Setting evidence to "Want to play" case

Eating and drinking	_
Of the united feeling there is	+
Scattered	_
Cheerful	+
Gloomy	—
Individualistic	+
Conventional	_
Friendly	+
Unfriendly	_
Healed	+
Stimulated	_
Open	+
Fascinating	+
Not fascinating	—
Lively	+
Atmosphere of urban	+
Age: 10th	+
Age: 20th	++
Age: 40th	+
Age: 50th	
Age: 60th	
Age: More than 70	

We can observe that "Those who have an image of the surrounding area at this shopping street as "Want to play" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Cheerful", "Individualistic", "Friendly", "Healed", "Open", "Fascinating", "Lively" or "Atmosphere of urban" of an age of "10th", "20th" or "40th".

(12) Setting evidence to "Want to examine deliberately"

After setting evidence to "Want to examine deliberately", the result is exhibited in Table 13.

Table 13.	Setting	evidence to	"Want to	examine	deliberately"	case

-	
Shopping	+
Leisure, amusement	+
Stimulated	+
Lively	—
Atmosphere of urban	—
Male	—
Female	+
Age: 10th	
Age: 20th	+
Age: 30th	
Age: 50th	
Age: 60th	++
Age: More than 70	++

We can observe that "Those who have an image of the surrounding area at this shopping street as "Want to examine deliberately" had come with the purpose of visiting for "Shopping" or "Leisure, amusement" under the image of the surrounding area at this shopping street as "Stimulated" of an age of "20th", "60th" or "More than 70" in which the gender is "Female".

(13) Setting evidence to "Lively"

After setting evidence to "Lively", the result is exhibited in Table 14.

Table 14. Setting evidence to "Lively" case

Of the united feeling there is	+
Scattered	_
Varied	+
Cheerful	+
Individualistic	+
Friendly	+
Unfriendly	_
Healed	+
Open	+
Fascinating	+
Want to play	+
Atmosphere of urban	+
Male	+
Female	_
Age: 10th	++
Age: 20th	++
Age: 30th	_
Age: 40th	
Age: 50th	_
Age: 60th	
Age: More than 70	_

We can observe that "Those who have an image of the surrounding area at this shopping street as "Lively" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Varied", "Cheerful", "Individualistic", "Friendly", "Healed", "Open", "Fascinating", "Want to play", or "Atmosphere of urban" of an age of "10th" or "20th" in which the gender is "Male".

(14) Setting evidence to "Calm"

After setting evidence to "Calm", the result is exhibited in Table 15.

Table	15.	Setting	evidence	to	"Calm"	case
10010	· · ·	~ e comp		•••	C	

Shopping	+
Leisure, amusement	+
Of the united feeling there is	—
Scattered	+
Cheerful	—
Individualistic	—
Unfriendly	+
Healed	—
Stimulated	+
Fascinating	—
Want to play	—
Want to examine deliberately	+
Atmosphere of urban	—
Male	—
Female	+
Age: 10th	
Age: 20th	—
Age: 30th	—
Age: 40th	+
Age: 50th	+
Age: 60th	++
Age: More than 70	++

We can observe that "Those who have an image of the surrounding area at this shopping street as "Calm" had come with the purpose of visiting for "Shopping" or "Leisure, amusement" under the image of the surrounding area at this

shopping street as "Scattered", "Unfriendly"," Stimulated" or "Want to examine deliberately" of an age of "40th", "50th", "**60th**" or "**More than 70**" in which the gender is "Female".

(15) Setting evidence to "Atmosphere of urban"

After setting evidence to "Atmosphere of urban", the result is exhibited in Table 16.

Table 16. Setting evidence to "Atmosphere of urban" case

Male	+
Female	—
Age: 10th	++
Age: 20th	—
Age: 50th	—
Age: 60th	
Age: More than 70	+

We can observe that "Those who have an image of the surrounding area at this shopping street as "Atmosphere of urban" had come by an age of "**10th**" or "More than 70" in which the gender is "Male".

(16) Setting evidence to "Atmosphere of rural area"

After setting evidence to "Atmosphere of rural area", the result is exhibited in Table 17.

Table 17. Setting	evidence to	"Atmos	ohere of	rural	area"	case
-------------------	-------------	--------	----------	-------	-------	------

Leisure, amusement	+
Of the united feeling there is	—
Scattered	+
Cheerful	—
Individualistic	—
Healed	_
Stimulated	+
Fascinating	_
Want to play	_
Want to examine deliberately	+
Lively	_
Male	_
Female	+
Age: 10th	
Age: 20th	—
Age: 50th	++
Age: 60th	++
Age: More than 70	+

We can observe that "Those who have an image of the surrounding area at this shopping street as "Atmosphere of rural area" had come with the purpose of visiting for "Leisure, amusement" under the image of the surrounding area at this shopping street as "Scattered", "Stimulated" or "Want to examine deliberately" of an age of "**50th**", "**60th**" or "More than 70" in which the gender is "Female".

5. Remarks

The Results for Bayesian Network Analysis are as follows.

In the Bayesian Network Analysis, model was built under the examination of the causal relationship among items. Sensitively Analysis was conducted after that. The main result of sensitively analysis is as follows.

We can observe that "Those who have an image of the surrounding area at this shopping street as "Healed" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Cheerful", "Individualistic", "Friendly", "Open", "Fascinating", "Want to play" or "Lively" of an age of "10th" or"20th".

We can observe that "Those who have an image of the surrounding area at this shopping street as "Fascinating" had come under the image of the surrounding area at this shopping street as "Beautiful", "Of the united feeling there is", "Varied"," Cheerful", "Individualistic", "Friendly", "Healed", "Open" "Want to play", "Lively" or "Atmosphere of urban" of an age of "**10th**" or "**20th**".

We can observe that "Those who have an image of the surrounding area at this shopping street as "Want to play" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Cheerful", "Individualistic", "Friendly", "Healed", "Open", "Fascinating", "Lively" or "Atmosphere of urban" of an age of "10th", "**20th**" or "40th".

We can observe that "Those who have an image of the surrounding area at this shopping street as "Lively" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Varied", "Cheerful", "Individualistic", "Friendly", "Healed", "Open", "Fascinating", "Want to play", or "Atmosphere of urban" of an age of "10th" or "20th" in which the gender is "Male".

We can observe that "Those who have an image of the surrounding area at this shopping street as "Calm" had come with the purpose of visiting for "Shopping" or "Leisure, amusement" under the image of the surrounding area at this shopping street as "Scattered", "Unfriendly"," Stimulated" or "Want to examine deliberately" of an age of "40th", "50th", "**60th**" or "**More than 70**" in which the gender is "Female".

We can observe that "Those who have an image of the surrounding area at this shopping street as "Atmosphere of rural area" had come with the purpose of visiting for "Leisure, amusement" under the image of the surrounding area at this shopping street as "Scattered", "Stimulated" or "Want to examine deliberately" of an age of "**50th**", "**60th**" or "More than 70" in which the gender is "Female".

6. Conclusion

Shopping streets at local city in Japan became old and are generally declining. In this paper, we handle the area rebirth and/or regional revitalization of shopping street. We focus on Fuji city in Japan. Four big festivals are held at Fuji city. Many people visit these festivals including residents in that area. Therefore a questionnaire investigation to the residents and visitors is conducted during these periods in order to clarify residents and visitors' needs for the shopping street, and utilize them to the plan building of the area rebirth and/or regional revitalization of shopping street. In this paper, we mainly focus the impression the visitors feel and analyze them. These are analyzed by using Bayesian Network. By that model, the causal relationship is sequentially chained by the characteristics of visitors, the purpose of visiting and the image of the surrounding area at this shopping street.

The Results for Bayesian Network Analysis are as follows.

In the Bayesian Network Analysis, model was built under the examination of the causal relationship among items. Sensitively Analysis was conducted after that. The main result of sensitively analysis is as follows.

We can observe that "Those who have an image of the surrounding area at this shopping street as "Fascinating" had come under the image of the surrounding area at this shopping street as "Beautiful", "Of the united feeling there is", "Varied"," Cheerful", "Individualistic", "Friendly", "Healed", "Open" "Want to play", "Lively" or "Atmosphere of urban" of an age of "**10th**" or "**20th**".

We can observe that "Those who have an image of the surrounding area at this shopping street as "Want to play" had come under the image of the surrounding area at this shopping street as "Of the united feeling there is", "Cheerful", "Individualistic", "Friendly", "Healed", "Open", "Fascinating", "Lively" or "Atmosphere of urban" of an age of "10th", "**20th**" or "40th".

We can observe that "Those who have an image of the surrounding area at this shopping street as "Calm" had come with the purpose of visiting for "Shopping" or "Leisure, amusement" under the image of the surrounding area at this shopping street as "Scattered", "Unfriendly"," Stimulated" or "Want to examine deliberately" of an age of "40th", "50th", "**60th**" or "**More than 70**" in which the gender is "Female".

The analysis utilizing Bayesian Network enabled us to visualize the causal relationship among items. Furthermore, sensitivity analysis brought us estimating and predicting the prospective visitors. These are utilized for constructing a much more effective and useful plan building.

Although it has a limitation that it is restricted in the number of research, we could obtain the fruitful results. To confirm the findings by utilizing the new consecutive visiting records would be the future works to be investigated.

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Appendix 1. Questionnaire sheet about the image around the shopping street

1. How often do you come to this shopping street?

a. Everyday b. () times a week c. () times a month d. () times a year

e. miscellaneous (

2. What is the purpose of visiting here? (Plural answers allowed)

a. shopping b. eating and drinking c. business d. celebration, event e. leisure, amusement

)

)

f. miscellaneous (

3. How do you feel about the image of the surrounding area at this shopping street?

Select the position

Beautiful	•	•	•	•	•	Ugly
Of the united feeling	•	•	•	•	•	Scattered
there is						
Varied	•	•	•	•	•	Featureless
New	•	•	•	•	•	Historic
Full of nature	•	•	•	•	•	Urban
Cheerful	•	•	•	•	•	Gloomy
Individualistic	•	•	•	•	•	Conventional
Friendly	•	•	•	•	•	Unfriendly
Healed	•	•	•	•	•	Stimulated
Open	•	•	•	•	•	exclusive
Want to reside	•	•	•	•	•	Do not want to reside
Warm	•	•	•	•	•	Aloof
Fascinating	•	•	•	•	•	Not fascinating
Want to play	•	•	•	•	•	Want to examine
						deliberately
Lively	•	•	•	•	•	Calm
Atmosphere of urban	•	•	•	•	•	Atmosphere of rural area

4. There are many old building at the age of nearly 50 years. Do you think we can still use them?

a. Can use it b. Cannot use it C. Have no idea

5. Is there any functions or facilities that will be useful?

6. Comments

7. Sex

a. Male b. Female

8. Age

a.10th b.20th c.30th d.40th e.50th f.6th g. More than 70 $\,$

9. Residence

a. Fuji City b. Fujinomiya City c. Numazu City d. Mishima City e. Shizuoka City f. Miscellaneous in Shizuoka Prefecture

g. Outside of Shizuoka Prefecture []

Appendix 2.Calculated posterior probability

			The nirnose	of visiting				The image of	the surrounding	area at this shor	ming street											
name	state	Prior	Shopping	Eating and drinking	Business	Celebration,	Leisure, amusement	Beautiful	Ugly	Of the united S	cattered V	aried Fe	cature less No	9W His	toric Full	of nature Urb	an Cheer	ul Glooi	ny Indivi	dualistic Conve	ntional Friendly	Unfriendly
	Shopping	0.224		0.213	0.219	0.221	0.238	0.222	0.226	0.220	0.229	0.219	0.226	0.231	0.223	0.225	0.226	0.220	0.226	0.218	0.225 0.	219 0.232
The mirror of	Eating and drinking	0.163	0.15	5	0.168	0.170	0.146	0.156	0.165	0.156	0.169	0.158	0.164	0.164	0.163	0.157	0.160	0.156	0.167	0.154	0.170 0.	155 0.167
visiting	Business	0.087	0.08	0.090	1	0.088	0.084	0.086	0.087	0.087	0.087	0.087	0.087	0.086	0.087	0.087	0.088	0.087	0.088	0.087	0.087 0.	087 0.087
	Celebration, event	0.466	0.46	0.485	0.469	1	0.453	0.459	0.470	0.453	0.474	0.461	0.469	0.465	0.467	0.460	0.464	0.455	0.471	0.453	0.474 0.	456 0.473
	Leisure, amusement	0.058	0.06	0.053	0.056	0.057	I	0.060	0.058	0.058	0.058	0.058	0.059	0.059	0.058	0.060	0.060	0.058	0.058	0.058	0.058 0.	059 0.059
	Beautiful	0.327	0.32	0.311	0.324	0.322	0.333	1	0	0.332	0.315	0.335	0.323	0.325	0.327	0.334	0.325	0.335	0.322	0.333	0.323 0.	334 0.321
	Ugly	0.275	0.279	0.275	0.275	0.278	0.276	0	1	0.270	0.281	0.274	0.276	0.276	0.274	0.274	0.275	0.270	0.277	0.272	0.277 0.	271 0.279
	Of the united feeling there is	0.269	0.26	0.256	0.270	0.262	0.265	0.274	0.264	1	0	0.275	0.265	0.266	0.269	0.272	0.267	0.283	0.262	0.285	0.260 0.	280 0.258
	Sc attere d	0.377	0.38	0.393	0.378	0.384	0.379	0.364	0.385	0	1	0.366	0.384	0.381	0.376	0.369	0.383	0.362	0.386	0.363	0.385 0.	364 0.390
	Varied	0.177	0.173	0.171	0.177	0.175	0.175	0.181	0.176	0.181	0.171	1	0	0.174	0.177	0.180	0.175	0.182	0.173	0.183	0.174 0.	182 0.173
	Fe ature less	0.473	0.479	0.477	0.474	0.476	0.478	0.467	0.474	0.466	0.482	0	1	0.471	0.474	0.468	0.480	0.464	0.479	0.462	0.477 0.	467 0.480
	New	0.130	0.13	0.130	0.128	0.129	0.131	0.129	0.130	0.128	0.131	0.128	0.129	1	0	0.130	0.129	0.129	0.131	0.127	0.132 0.	127 0.133
	Historic	0.587	0.58-	0.585	0.587	0.588	0.587	0.588	0.585	0.586	0.585	0.586	0.588	0	1	0.586	0.587	0.586	0.587	0.584	0.587 0.	587 0.586
	Full of nature	0.352	0.35	0.337	0.349	0.348	0.358	0.360	0.350	0.356	0.345	0.360	0.348	0.352	0.352	1	0	0.358	0.348	0.359	0.349 0.	358 0.349
	Urban	0.236	0.23	3 0.233	0.237	0.235	0.241	0.234	0.236	0.233	0.239	0.233	0.239	0.234	0.236	0	1	0.233	0.238	0.235	0.236 0.	236 0.237
	Cheerful	0.295	0.290	0.283	0.296	0.289	0.292	0.303	0.290	0.310	0.283	0.304	0.290	0.293	0.295	0.301	0.292	-	0	0.310	0.287 0.	306 0.285
	Gloomy	0.406	0.413	0.416	0,408	0.410	0.405	0.399	0.408	0.395	0.415	0.398	0.411	0.410	0.406	0.401	0.410	0	1	0.393	0.413 0.	396 0.416
	Individualistic	0.252	0.243	0.237	0.253	0.245	0.250	0.257	0.249	0.266	0.242	0.261	0.246	0.247	0.251	0.256	0.252	0.264	0.244	-	0.	264 0.240
	Conventional	0,406	0.410	0.424	0,407	0.413	0.404	0.401	0.409	0.392	0.415	0.399	0.409	0.412	0.406	0.402	0.406	0.395	0.414	0	1	394 0.417
	Friendly	0.468	0.45	0.444	0,468	0.458	0.469	0.479	0.461	0.487	0.451	0.480	0.462	0.457	0.468	0.475	0.468	0.485	0.457	0.490	0.454	1 0
The image of the surrounding	Unfriendly	0.220	0.229	0.228	0.220	0.224	0.224	0.216	0.224	0.212	0.228	0.215	0.224	0.225	0.220	0.218	0.222	0.213	0.226	0.210	0.227	0 1
area at this shopping street	Healed	0.294	0.28	5 0.286	0.294	0.289	0.291	0.301	0.288	0.306	0.282	0.302	0.288	0.291	0.294	0.298	0.289	0.306	0.287	0.306	0.287 0.	304 0.283
	Stimulated	0.197	0.20	0.200	0.197	0.199	0.202	0.193	0.201	0.190	0.205	0.193	0.200	0.200	0.196	0.196	0.202	0.190	0.202	0.191	0.201 0.	191 0.205
	Open	0.264	0.25	0.256	0.266	0.260	0.262	0.269	0.259	0.275	0.256	0.268	0.263	0.261	0.265	0.267	0.265	0.274	0.260	0.274	0.259 0.	273 0.256
	Exclusive	0.376	0.38	0.385	0.374	0.380	0.380	0.372	0.380	0.367	0.383	0.370	0.378	0.385	0.375	0.374	0.373	0.368	0.381	0.364	0.383 0.	366 0.386
	Want to reside	0.251	0.25	0.245	0.251	0.249	0.253	0.254	0.251	0.256	0.248	0.255	0.250	0.251	0.251	0.254	0.251	0.256	0.250	0.255	0.249 0.	254 0.251
	Do not want to reside	0.393	0.39	0.393	0.394	0.392	0.395	0.389	0.392	0.393	0.397	0.387	0.398	0.391	0.394	0.390	0,400	0.390	0.396	0.391	0.393 0.	392 0.394
	Warm	0.444	0.444	5 0.426	0.440	0.437	0.453	0.450	0.440	0.455	0.436	0.448	0.442	0.443	0.444	0.449	0.444	0.453	0.438	0.455	0.436 0.	453 0.436
	Alcof	0.216	0.217	0.225	0.218	0.219	0.212	0.211	0.219	0.212	0.222	0.213	0.217	0.218	0.216	0.213	0.217	0.212	0.219	0.213	0.219 0.	212 0.220
	Fascinating	0.264	0.25	3 0.249	0.263	0.257	0.265	0.274	0.259	0.279	0.250	0.275	0.258	0.260	0.264	0.272	0.260	0.279	0.256	0.279	0.255 0.	277 0.253
	Not fascinating	0.383	0.38	0.390	0.383	0.388	0.387	0.378	0.386	0.372	0.392	0.376	0.389	0.386	0.384	0.379	0.387	0.373	0.389	0.371	0.390 0.	375 0.392
	Want to play	0.232	0.223	0.217	0.231	0.224	0.230	0.241	0.224	0.251	0.215	0.241	0.225	0.227	0.233	0.237	0.226	0.249	0.221	0.250	0.221 0.	247 0.216
	Want to examine deliberately	0.320	0.33	0.311	0.315	0.317	0.339	0.318	0.320	0.314	0.326	0.312	0.325	0.327	0.319	0.320	0.326	0.314	0.325	0.311	0.323 0.	315 0.329
	Lively	0.207	0.19	5 0.197	0.210	0.202	0.198	0.213	0.202	0.219	0.196	0.216	0.201	0.202	0.207	0.211	0.206	0.219	0.201	0.221	0.200 0.	218 0.196
	Calm	0.513	0.52	3 0.514	0.509	0.515	0.528	0.509	0.518	0.502	0.523	0.505	0.518	0.519	0.513	0.511	0.516	0.503	0.519	0.501	0.519 0.	504 0.524
	Atmosphere of urban	0.102	0.09	0.097	0.104	0.101	0.098	0.103	0.102	0.107	0.099	0.105	0.101	0.098	0.102	0.103	0.101	0.106	0.100	0.107	0.099 0.	106 0.099
	Atmosphere of rural are a	0.625	0.63	5 0.625	0.621	0.627	0.637	0.620	0.629	0.614	0.635	0.617	0.629	0.630	0.624	0.622	0.629	0.614	0.630	0.614	0.630 0.	616 0.634
Gender	Male	0.489	0.40	5 0.602	0.558	0.517	0.343	0.457	0.488	0.497	0.499	0.496	0.499	0.444	0.494	0.461	0.503	0.494	0.507	0.497	0.499 0.	491 0.484
	Female	0.511	0.59	0.398	0.442	0.483	0.657	0.543	0.512	0.503	0.501	0.504	0.501	0.556	0.506	0.539	0.497	0.506	0.493	0.503	0.501 0.	509 0.516
	J0th	0.162	0.13	5 0.067	0.162	0.121	0.180	0.194	0.141	0.236	0.111	0.206	0.143	0.123	0.160	0.187	0.173	0.224	0.121	0.256	0.105 0.	232 0.097
	20th	0.148	0.15	0.164	0.148	0.138	0.119	0.168	0.131	0.163	0.119	0.160	0.122	0.197	0.143	0.164	0.121	0.179	0.149	0.147	0.159 0.	144 0.155
	30th	0.223	0.16	0.255	0.223	0.253	0.215	0.248	0.211	0.187	0.204	0.229	0.229	0.190	0.238	0.224	0.209	0.202	0.220	0.187	0.244 0.	220 0.213
Age	40th	0.174	0.189	0.215	0.174	0.183	0.147	0.131	0.183	0.189	0.200	0.132	0.188	0.182	0.175	0.141	0.149	0.163	0.176	0.157	0.172 0.	153 0.180
	50th	0.116	0.117	0.155	0.116	0.130	0.105	0.096	0.147	0.085	0.147	0.127	0.102	0.123	0.105	0.113	0.116	0.091	0.120	0.119	0.125 0.	096 0.128
	60th	0.105	0.129	0.100	0.105	0.100	0.136	0.088	0.102	0.082	0.139	0.069	0.133	0.118	0.105	0.090	0.154	0.078	0.132	0.080	0.119 0.	090 0.128
	More than70	0.072	0.110	0.043	0.072	0.075	0.098	0.076	0.084	0.058	0.081	0.076	0.083	0.067	0.073	0.082	0.078	0.063	0.083	0.054	0.077 0.	065 0.099

0.25 0.39 0.45 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	0.25 0.39 0.45 0.27 0.27 0.27 0.27 0.24 0.37 0.21 0.21 0.45 0.45 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	0.25 0.39 0.45 0.21 0.27 0.27 0.23 0.24 0.27 0.24 0.24 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	0.25 0.39 0.21 0.21 0.27 0.27 0.27 0.23 0.24 0.23 0.24 0.24 0.24 0.24 0.25 0.48 0.21 0.48	0.25 0.39 0.45 0.21 0.21 0.27 0.27 0.23 0.23 0.24 0.24 0.24 0.24 0.51 0.51	0.22 0.33 0.45 0.21 0.21 0.27 0.27 0.23 0.23 0.24 0.24 0.24 0.24 0.21 0.24 0.24 0.25 0.48	0.22 0.23 0.33 0.44 0.21 0.22 0.21 0.21 0.21 0.21 0.21 0.21	0.22 0.32 0.33 0.43 0.21 0.22 0.21 0.21 0.21 0.21 0.21 0.21	0.22 0.32 0.45 0.21 0.21 0.21 0.21 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24	0.25 0.25 0.39 0.45 0.21 0.21 0.21 0.23 0.23 0.24 0.24 0.23 0.24 0.24 0.24 0.23 0.24 0.24 0.24 0.25 0.24 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0.25 0.25 0.39 0.45 0.21 0.27 0.27 0.24 0.23 0.24 0.23	0.25 0.25 0.39 0.21 0.21 0.27 0.21 0.27 0.21 0.21	0.25 0.25 0.39 0.45 0.27 0.27 0.27 0.27 0.27	0.25 0.25 0.45 0.45 0.21 0.27	0.25 0.25 0.45 0.21 0.21	090 0.25 0.45 0.21	0.25 0.39 0.45	0.25	0.25	0.25	00	1 22	0.27			0.21	0.48	0.39	0.26	0.39	0.30	0.23	0.35	0.58	0.12	0.46	0.18	0.36	0.28	0.27	0.33	0.05	0.45	0.08	0.15	0.21	Healed	The image o
0.14	0.13 0.13 0.14	0.16	0.13	0.13		0.12	0.50	0.49	0.63	0.09	0.52	0.19	0.33	0.21	0.39	0.25	0.22	0.43	0.39	0.25	0.38	0.25			0.22	0.45	0.41	0.24	0.41	0.28	0.24;	0.34	0.58-	0.13	0.48	0.17	0.39	0.25	0.28	0.31	0.06	0.47	0.08	0.16.	0.23:	Stimulated	the surroundin
0 0.0 0.1	0.0	0 0.1		1 0.2	4 0.1	4 0.2	4 0.4	6 0.5	5 0.6	9 0.1	4 0.5	8 0.2	0 0.3	4 0.2	1 0.3	3 0.2	1 0.2	7 0.4	7 0.3	1 0.2	2	6	1 0.1	0 0.3	9 0.2	5 0.4	3 0.3	4 0.2	6 0.3	5 0.3	2 0.2	9 0.3	4 0.5	2 0.1	1 0.4	4 0.1	3 0.3	9 0.2	1 0.2	9 0.3	0 0.0	0 0.4	7 0.0	5 0.1	2 0.2	Open	ng area at this
0 0 0	0.1 0.1	58 0.1		19 0.2	52 0.1	14 0.1	0.5	0.4	16 0.6	20 50	0.5	17 0.1	17 0.3	¥6 0.2	E0 17	74 0.2	12 0.2	52 0.4	50 26	54 0.2	0	1	91 0.2	0.2	14 0.2	33 0.4	37 0.4	51 0.2	99 0.4	02 02	36 0.2	55 0.3	50 88	28 0.1	70 0.4	0.1	£0 83	90 0.2	99 0.2	50 25	70 85	57 0.4	0.0 88	58 0.1	19 0.2	Exclusive	shopping stree
08 0.10 0.10	27 0.10	0.0		0.19	64 0.10	12 0.11	36 0.5	64 0.49	31 0.6	0.10	20 0.5	99 0.2	124 0.33	0.23	188 0.3	157 0.27	0.2	40 0.4-	91	50	1 0.3	0 0.24	00 0.19	.88 0.29	26 0.2	155 0.4	14 0.40	.44 0.2	0.40	.89 0.30	.34 0.2	50 0.3	86 0.51	33 0.13	175 0.47	74 0.1	185 0.3	0.2	178 0.2	123 0.3	0.0	171 0.44	187 0.0	67 0.13	29 0.2:	Want to reside	¥
0.10	04 0.10	08 0.13		94 0.2	63 0.13	85 0.10	10 0.49	90 0.50	21 0.63	04 0.10	12 0.5	11 0.20	21 0.33	36 0.2:	79 0.33	70 0.24	14 0.2	48 0.4-	0	1	74 0.3	67 0.24	97 0.19	97 0.29	20 0.2	74 0.44	02 0.40	56 0.2	03 0.40	01 0.29	35 0.2.	56 0.3	86 0.51	30 0.13	71 0.4	0.1	72 0.33	74 0.24	74 0.2	30 0.33	59 0.0	61 0.44	87 0.0	58 0.10	26 0.2	Do not want to	
010	0.10		81 0.17	15 0.21	0.14	54 0.19	77 0.54	0.45	0.62	0.10	4 0.51	15 0.21	34 0.32	0 0.24	36 0.37	51 0.27	17	4	1 0.39	0 0.25	15 0.37	0.26	0.19	0.29	0.21	57 0.47	6 0.39	51 0.25	9 0.40	0.30	0 0.23	0.35	87 0.58	9 0.12	N9 0.47	14 0.17	81 0.37	9 0.27	14 0.27	0.33	90.0	5 0.45	80.0	0.15	0.22	Warm	
0 0 0	0 0.15		7 0.18	1 0.20	8 0.14	9 0.13	6 0.48	4 0.51	2 0.62	3 0.10	1 0.51	1 0.20	0 0.32	1 0.22	9 0.38	1 0.25	0	1	3 0.39	3 0.24	2 0.38	9 0.25	4 0.20	9 0.28	6 0.22	7 0.45	9 0.41	8 0.24	0 0.41	0.28	5 0.23	6 0.34	6 0.58	9 0.13	0 0.47	8 0.17	0 0.38	6 0.26	2 0.27	1 0.31	0.05	8 0.47	6 0.08	6 0.17	4 0.22	Alcof	
0.08	0.087		5 0.150	6 0.217	4 0.177	1 0.238	2 0.520	8 0.474	9 0.612	0 0.107	6 0.502	2 0.221	0 0.313	3 0.253	7 (6	0.209	0 0.450	4 0.388	9 0.257	0 0.360	9 0.275	2 0.188	8 0.305	4 0.211	8 0.490	2 0.392	8 0.260	1 0.392	9 0.312	7 0.232	7 0.362	5 0.587	0.128	5 0.461	4 0.184	8 0.350	4 0.284	9 0.269	9 0.339	7 0.059	2 0.453	8 0.087	0 0.153	3 0.219	Fascinating	
0.12	0.12		0.17	0.23	7 0.13:	3 0.12	5 0.513	4 0.48	2 0.63	7 0.100	2 0.519	0.19	3 0.32-	3 0.22		-	0.219	5 0.439	3 0.39	0.249	5 0.38	5 0.26	3 0.20	0.28	0.22	0.45	2 0.413	5 0.24-	0.413	2 0.28	2 0.23	2 0.349	7 0.58	3 0.130	0.480	4 0.173	5 0.38	4 0.263	0.27	9 0.32:	0.05	3 0.47	0.08	3 0.16	0.224	Not fascinating	
0.062	0.062		7 0.184	3 0.225	3 0.173	4 0.265	5 0.527	5 0.473	0.607	0.108	0.495	9 0.225	0	1	0.367	0.288	0.207	0.462	5 0.389	0.256	0.362	0.281	0.182	0.315	5 0.205	3 0.498	3 0.386	4 0.271	2 0.386	7 0.317	3 0.229	0.360	7 0.588	0.127	0.459	3 0.184	5 0.350	2 0.292	7 0.265	2 0.340	9 0.058	0.450	7 0.087	5 0.153	5 0.214	Want to play	
0.101	0.101		0.170	0.190	0.153	0.140	0.561	0.439	0.634	0.099	0.524	0.199	_	0	0.389	0.258	0.217	0.445	0.398	0.252	0.382	0.261	0.204	0.286	0.227	0.460	0.411	0.245	0.413	0.290	0.241	0.352	0.586	0.133	0.481	0.172	0.385	0.264	0.276	0.325	0.061	0.461	0.086	0.158	0.235	examine	
0.097	0.097		0.131	0.211	0.180	0.250	0,460	0.540	0.609	0.108	0	1	0.309	0.252	0.370	0.282	0.212	0.452	0.390	0.256	0.363	0.277	0.189	0.310	0.210	0.492	0.393	0.270	0.395	0.313	0.233	0.361	0.586	0.127	0.461	0.185	0.357	0.286	0.269	0.337	0.057	0.455	0.088	0.156	0.214	Lively	
0.122	0.122		0.180	0.217	0.139	0.134	0.541	0.459	0.631	0.100	1	0	0.327	0.224	0.388	0.258	0.218	0.442	0.394	0.251	0.382	0.260	0.201	0.288	0.225	0.460	0.411	0.246	0.410	0.289	0.237	0.351	0.586	0.131	0.478	0.174	0.385	0.264	0.278	0.324	0.060	0.468	0.087	0.162	0.230	Calm	
0.098	860'0		0.183	0.222	0.115	0.231	0.450	0.550	0	-	0.502	0.218	0.308	0.245	0.375	0.276	0.212	0.449	0,390	0.256	0.365	0.271	0.192	0.302	0.213	0.485	0.393	0.264	0.397	0.306	0.233	0.356	0.588	0.124	0.470	0.182	0.366	0.281	0.274	0.330	0.057	0.462	680'0	0.158	0.218	Atmosphere of urban	
0.127	0.127		0.175	0.220	0.139	0.141	0.533	0.467	1	0	0.518	0.201	0.324	0.226	0.387	0.259	0.218	0.443	0.394	0.250	0.380	0.261	0.200	0.289	0.224	0.461	0.410	0.248	0.409	0.290	0.237	0.351	0.586	0.131	0.476	0.175	0.383	0.265	0.277	0.324	0.059	0.467	0.087	0.163	0.227	Atmosphere of rural area	
0.116	0.116		0.174	0.223	0.148	0.162		1	0.596	0.115	0.482	0.229	0.287	0.225	0.381	0.256	0.229	0.413	0.404	0.252	0.357	0.274	0.200	0.294	0.218	0.470	0.414	0.256	0.420	0.299	0.242	0.332	0.593	0.118	0.482	0.179	0.385	0.274	0.275	0.305	0.041	0.492	0.100	0.200	0.186	Male	Gender
0.105	0.116		0.174	0.223	0.148	0.162	1		0.652	0.090	0.543	0.186	0.351	0.239	0.386	0.272	0.204	0,474	0.382	0.251	0.394	0.255	0.194	0.294	0.222	0.465	0.398	0.248	0.391	0.292	0.229	0.371	0.580	0.141	0.464	0.174	0.370	0.265	0.275	0.347	0.075	0,440	0.075	0.127	0.260	Female	
		0	0	0	0	1	0.511	0.489	0.545	0.146	0.425	0.319	0.276	0.380	0.295	0.388	0.175	0.547	0.399	0.287	0.259	0.350	0.152	0.389	0.133	0.671	0.263	0.399	0.304	0.408	0.252	0.407	0.581	0.098	0.418	0.225	0.258	0.393	0.240	0.391	0.065	0.347	0.087	0.068	0.188	10th	Age
0	0		0	0	-	0	0.511	0.489	0.589	0.079	0.484	0.252	0.331	0.272	0.345	0.317	0.211	0.444	0.350	0.278	0.417	0.291	0.179	0.344	0.231	0.457	0.437	0.251	0.410	0.358	0.192	0.390	0.569	0.173	0.390	0.192	0.304	0.298	0.245	0.371	0.047	0,435	0.087	0.181	0.229	20th	
	0		0	-	0	0	0.511	0.489	0.615	0.102	0.499	0.195	0.272	0.234	0.408	0.256	0.200	0.419	0.378	0.218	0.369	0.259	0.160	0.303	0.210	0.460	0.443	0.211	0.399	0.268	0.221	0.352	0.625	0.110	0.485	0.181	0.345	0.225	0.260	0.363	0.056	0.527	0.087	0.186	0.168	30th 40	
	0		_	0	0	0	0.511	0.489	0.630	0.108	0.531	0.156	0.312	0.246	0.391	0.228	0.231	0.451	0.409	0.243	0.412	0.256	0.182	0.276	0.228	0.413	0.401	0.227	0.410	0.277	0.202	0.286	0.589	0.136	0.510	0.135	0.433	0.293	0.289	0.245	0.049	0.491	0.087	0.202	0.243	kh 504	
	-		0	0	0	0	0.511	0.489	0.683	0.086	0.538	0.172	0.279	0.124	0.399	0.197	0.279	0.383	0.345	0.224	0.410	0.172	0.253	0.237	0.242	0.386	0.435	0.258	0.417	0.231	0.234	0.341	0.532	0.138	0.414	0.193	0.476	0.197	0.348	0.268	0.053	0.522	0.087	0.218	0.224	h 60th	
_		0	0	0	0	0	0.511	0.489	0.728	0.054	0.591	0.143	0.464	0.118	0.469	0.156	0.247	0.421	0.513	0.220	0.388	0.255	0.277	0.209	0.269	0.399	0,461	0.192	0.508	0.220	0.345	0.303	0.587	0.146	0.599	0.116	0.497	0.209	0.267	0.274	0.076	0,444	0.087	0.155	0.275	More	
		0					0.511	0.489	0.648	0.135	0.617	0.168	0.417	0.121	0.414	0.256	0.191	0.410	0.377	0.329	0.419	0.217	0.283	0.208	0.305	0.425	0.434	0.190	0.467	0.258	0.257	0.400	0.597	0.121	0.549	0.188	0.426	0.217	0.322	0.345	0.079	0.486	0.087	0.097	0.343	than70	

Appendix 3. Difference of probability

20 50 60 50	ge 40	ge 40	Iteration Iteration Standard Standard Reading Iteration Reading Iteration Reading Iteration Reading Iteration Reading Iteration Iteration Iteration Reading Iteration Iteration Iteration										# Q	ug	Ве	5	5	risiting Bu	East Factor	Sh	name																									
	-	ħ	'n	'n	'n	'n	nale	10	mosphere of rural a	mosphere of urban	m	'ely	int to examine iberately	int to play	4 fascinating	scinating	xof	тm	not want to reside	int to reside	clusive	g	mulated	aled	friendly	endly	nwntional	lividualistic	somy	eerful	ban	ll of nature	storic	w	atureless	ried	attered	the united feeling re is	Â.	autiful	isure, amusement	lebration, event	siness	ling and drinking	opping	state
0.072	0 105	0.116	0.174	0.223	0.148	0.162	0.511	0.489	0.625	0.102	0.513	0.207	0.320	0.232	0.383	0.264	0.216	0.444	0.393	0.251	0.376	0.264	0.197	0.294	0.220	0.468	0.406	0.252	0.406	0.295	0.236	0.352	0.587	0.130	0.473	0.177	0.377	0.269	0.275	0.327	0.058	0.466	0.087	0.163	0.224	Prior
250.0	20.0	0.000	0.015	-0.056	0.00-	-0.026	0.082	-0.082	0.011	-0.003	0.015	-0.010	0.017	-0.010	0.005	-0.006	0.001	0.001	0.001	0.003	0.010	-0.00	0.005	-0.005	0.005	-0.010	0.00-	-0.007	0.007	-0.006	0.002	0.001	-0.002	0.004	0.000	-0.004	0.010	-0.005	0.004	-0.002	0.00-	-0.005	-0.002	-0.007		The purpose Shopping
-0.02		0.03	5 0.04	0.03	0.01	-0.09	-0.11	0.11	0.00	-0.00	0.00	-0.00	-0.00	-0.01	5 0.00	-0.01	0.00	-0.01	0.00	-0.00	0.00	-0.00	0.00	-0.00	0.00	-0.02	0.01	-0.01	0.01	-0.01	-0.00	-0.01	0.00	0.00	5 0.00	-0.00	0.01	-0.01	0.00	-0.01	-0.00	0.01	0.00	-	-0.01	of visiting Eating and Interview
0.0	s 0.0	0.0	0.0	1 0.0	0.0	4 0.0	3 -0.0	3 0.0	4 -0.00	0.0	-0.00	0.0	8 -0.0	5 -0.0	0.0	6 -0.0	0.0	9 -0.0	0.0	6 0.0	-0.0	0.0	0.0	0.0 8	0.0	3 0.0	0.0	5 0.0	1 0.0	3 0.0	2 0.0	5 -0.0	2 0.0	0.0-	4 0.0	0.0	0.0	4 0.0	4 0.0	6 -0.0	6 -0.0	0.0	3	0.0	1 -0.0	Business
00	-0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	59 0.0	0.0	02 -0.0	0.0	-0.0	04 -0.0	0.0-0.0	0.0	0.0-0.0	0.0	04 -0.0	02 -0.0	-0.0	0.0	0.0-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0-	0.0-	03 -0.0	0.0	0.0	0.0	-0.0	0.0	0.0-0.0	0.0	0.0-0.0	02 -0.0	94	1 0.0	0.0	-0.0	Celebration,
0.	0	014 -0)	-0.	-0,	-0)	0.	0.)28 -0.	0.02	-0,	0.02	-0,	003 0.	-0- 800	0.04	007 0.	-0,	007 0.	001 0.	003 0.	0.	-0,	0.02	-0.	0.	010 0.	-0,	-0,	0.05	-0,	0.	0.	01 0.	00	0.03	-0,	007 0.	-0,	0.02	0.	100	-0)	-0,	(0- 800	002 0.	Leisure,
026 0	-0	012 -0	027 -0	0 800	029 0	0 810	146 0	146 -0	013 -0	004 0	0- 510	0 800	0- 610	003 0	004 -0	001 0	0- 200	0 600	002 -0	002 0	004 -0	003 0	-0	003 0	-0	0 100	-0	002 0	000 -0	004 0	0- 200	006 0	000	-0	-0	002 0	002 -0	004 0	001	006	-	-0	-0	017 -0	0- 510	The imag Beautiful
.004 (-1	.021 (:043 (.025 -(.020 -(.032 -(.032 (.032 -(,005 (.001 (,004 (-007 -0	.001 (- 600	.005 (.010 -(.006 (- 900	.004 -(.003 -(:004 (.005 -(.004 (.007 -(:004 (- 110	.005 (- 200	.006	.007 -0	001	- 800	.001 -(.001	.006 (.004 -(.013 (.004 -(0	-	.001 (.006 (00!	,007 (001	e of the surrou Ugly
0.012		0.031 .	0.009	0.012 -	0.016	0.021	0.001	0.001	0.004 .	0.000	0.004 .	0.005	0.001	0.008	0.003 -	0.005	0.003 -	0.004	0.001	0.001	0.004 .	0.006	0.004 .	0.006	0.003 .	0.007	0.003 .	0.003	5.003	0.005	0.000 -	0.002	0.002	0.000	0.001	0.001	0.008	0.005	-	0	0.000	0.004 .	0.000	0.003 .	0.003	Inding area at Of the un
0.014	0.024	0.031	0.015	0.036	0.016	0.074	0.008	0.008	-0.011	0.004	-0.011	0.012	0.005	0.019	-0.011	0.014	0.004	0.011	0.000	0.005	0.009	0.011	0.007	0.012	0.009	0.019	0.014	0.014	0.010	0.014	0.002	0.004	0.000	0.002	0.007	0.004	0	-	0.005	0.005	0.001	0.012	0.000	0.007	0.004	ited Scattered
0.009	0.033	0.031	0.026	-0.019	-0.029	-0.051	-0.010	0.010	0.010	-0.003	0.010	-0.011	0.006	-0.017	0.009	-0.015	0.006	-0.008	0.004	-0.003	0.007	-0.009	0.008	-0.012	0.008	-0.016	0.009	-0.010	0.010	-0.012	0.004	-0.008	-0.001	0.001	0.009	-0.005	-	0	0.006	-0.011	0.000	0.008	0.000	0.007	0.005	treet Varied
0.005	-0.036	0.010	-0.042	0.006	0.012	0.044	-0.007	0.007	-0.008	0.003	-0.008	0.010	-0.007	0.009	-0.007	0.011	-0.003	0.004	-0.006	0.003	-0.006	0.004	-0.004	0.008	-0.005	0.013	-0.007	0.009	800'0-	0.008	-0.002	0.007	-0.001	-0.002	0	-	-0.012	0.006	-0.001	0.008	0.000	-0.005	0.000	-0.004	-0.004	Featur
0.012	0.028	-0.014	0.014	0.006	-0.026	-0.019	-0.010	0.010	0.004	-0.001	0.005	-0.005	0.005	-0.007	0.005	-0.007	0.001	-0.003	0.005	-0.001	0.001	-0.002	0.003	-0.006	0.003	-0.005	0.004	-0.006	0.005	-0.006	0.004	-0.004	0.002	-0.001	-	0	0.007	-0.004	0.001	-0.004	0.000	0.003	0.000	0.001	0.002	cless New
-0.005	0.013	0.007	0.008	-0.033	0.049	-0.039	0.045	-0.045	0.006	-0.004	0.006	-0.005	0.008	-0.005	0.002	-0.004	0.002	-0.001	-0.002	0.000	0.009	-0.003	0.003	-0.003	0.005	-0.010	0.006	-0.005	0.005	-0.002	-0.002	0.000	0	1	-0.002	-0.003	0.004	-0.003	0.001	-0.001	0.001	-0.001	-0.001	0.002	0.007	His
0.001	0 000	-0.011	0.001	0.015	-0.004	-0.002	-0.005	0.005	-0.001	0.000	0.000	0.000	0.000	0.001	0.001	0.000	-0.001	0.000	0.001	0.000	-0.001	0.001	-0.001	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000	1	0	0.002	0.000	-0.001	0.000	-0.001	0.001	0.000	0.001	0.000	0.000	-0.001	loric Fu
0.010	510 U	-0.004	-0.033	0.000	0.016	0.025	0.028	-0.028	-0.003	0.001	-0.002	0.005	0.000	0.005	-0.004	0.007	-0.003	0.004	-0.003	0.003	-0.002	0.002	-0.002	0.004	-0.002	0.008	-0.004	0.004	-0.004	0.005	0	-	0.000	0.000	-0.005	0.004	-0.008	0.003	-0.001	0.007	0.001	-0.006	-0.001	-0.006	0.001	ll of nature U
0.006	0.049	-0.001	-0.025	-0.014	-0.027	0.011	-0.014	0.014	0.004	-0.001	0.003	-0.001	0.007	-0.006	0.004	-0.005	0.001	-0.001	0.007	-0.001	-0.003	0.000	0.005	-0.005	0.001	0.001	0.000	0.000	0.004	-0.003	1	0	0.000	-0.001	0.007	-0.002	0.006	-0.002	0.000	-0.002	0.001	-0.002	0.000	-0.003	0.002	rban
-0.009	-0.027	-0.025	-0.011	-0.021	0.031	0.062	-0.005	0.005	-0.011	0.004	-0.010	0.012	-0.005	0.017	-0.010	0.015	-0.005	0.009	-0.003	0.005	-0.008	0.009	-0.007	0.012	-0.008	0.017	-0.011	0.012	0	1	-0.003	0.006	0.000	-0.001	-0.009	0.005	-0.016	0.013	-0.005	0.008	0.000	-0.011	0.000	-0.006	-0.004	Cheerful
0.011	0.026	0.003	0.002	-0.004	0.002	-0.040	-0.018	0.018	0.005	-0.002	0.006	-0.006	0.005	-0.011	0.006	-0.008	0.003	-0.006	0.003	-0.001	0.005	-0.004	0.005	-0.007	0.006	-0.011	0.008	-0.008	1	0	0.003	-0.004	0.000	0.001	0.006	-0.003	0.009	-0.007	0.002	-0.005	0.000	0.005	0.000	0.005	0.003	Gloomy
-0.018	-0.025	0.003	-0.017	-0.037	-0.001	0.094	-0.008	0.008	-0.010	0.005	-0.012	0.014	-0.008	0.018	-0.012	0.015	-0.003	0.011	-0.002	0.004	-0.012	0.009	-0.006	0.012	-0.011	0.023		1	-0.013	0.014	0.000	0.006	-0.002	-0.003	-0.011	0.007	-0.014	0.015	-0.003	0.007	0.000	-0.013	0.000	-0.008	-0.005	Individualistic
0.00	0.01	0.00	-0.00	0.02	10'0	-0.05	-0.010	0.01	0.00	-0.00	0.00	-0.00	00.0	-0.01	0.00	-0.00	0.00	-0.00	00.0	-0.00	0.00	-0.00	0.00	-0.00	0.00	-0.01		_	0.00	-0.00	0.00	-0.00	0.00	0.00	0.00	-0.00	0.00	-0.00	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00	Conventional
-0.00	-0.01	3 -0.02	.0.02	9 -0.00	-0.00	7 0.07	-0.00	9 0.00	-0.00	3 0.00	-0.00	7 0.01	3 -0.00	1 0.01	5 -0.00	0.01	3 -0.00	3 0.00	0.00	3 0.00	7 -0.01	5 0.00	± -0.00	7 0.01	~	3	-0.01	0.01	s -0.00	3 0.01	0.00	1 0.00	0.00	2 -0.00	-0.00	3 0.00	3 -0.01	0.01	2 -0.00	1 0.00	1 0.00	3 -0.01	0.00	7 -0.00	-0.00	Friendly
7 0.02	5 0.02	0.01	0.006	4 -0.010	3 0.007	9 -0.065	3 0.004	3 -0.004	9 0.005	4 -0.003	9 0.011	-0.010	5 0.00	5 -0.010	s 0.008	2 -0.011	5 0.004	9 -0.008	0.00	3 -0.001	9 0.010	3 -0.00	5 0.00	0.011	Ų	_	2 0.01	2 -0.013	9 0.01	1 -0.010	0.00	-0.00	0.000	3 0.003	5 0.007	5 -0.00-	3 0.010	-0.011	4 0.004	-0.00	0.001	0.007	0.00	3 0.00	\$ 0.00	Unfriendly

-0.030 0.042 -0.004 0.003 -0.0		-0.022 0.033 -0.041 0.011 -0.0	-0.011 -0.013 -0.006 0.016 -0.0	0.007 -0.042 -0.004 -0.004 -0.0	0.025 -0.013 0.015 0.016 0.0	0.052 -0.037 0.052 -0.050 0.0	0.000 -0.007 -0.018 0.025 -0.0	0.000 0.007 0.018 -0.025 0.0	-0.00 0.010 -0.009 -0.0	0.003 -0.003 -0.003 -0.003 0.0	-0.011 0.011 -0.009 0.007 -0.0	0.011 -0.008 0.010 -0.008 0.0	-0.008 0.011 -0.003 0.005 0.0	0.017 -0.018 0.014 -0.009 0.0	-0.009 0.008 -0.007 0.005 -0.0	0.013 -0.012 0.010 -0.007 0.0	-0.004 0.005 -0.004 0.002 -0.0	0.008 -0.007 0.007 -0.004 0.0	-0.003 0.004 0.002 -0.002	0.002 0.000 0.003 -0.001	-0.008 0.006 0 1 -0.0	0.00 0 1 000.0	0 1 -0.006 0.003 0.0	1 0 0.010 -0.006 0.0	-0.008 0.009 -0.007 0.006 -0.0	0.016 -0.013 0.015 -0.013 0.0	.0 800.0 800.0- 800.0	0.011 -0.008 0.009 -0.008 0.0	-0.010 0.011 -0.006 -0.1	0.012 -0.010 0.011 -0.006 0.0	-0.004 0.006 0.000 -0.002 -0.0	0.005 -0.003 0.003 -0.002 0.0	0.000 -0.003 0.002 -0.001 -0.0	0.0 2000- 2000- 1000-	-0.009 0.008 -0.003 0.002 -0.0	0.005 -0.003 0.003 -0.003 0.0	-0.016 0.016 -0.012 0.007 -0.0	0.011 -0.010 0.011 -0.007 0.0	-0.005 0.006 -0.006 0.003 -0.0	0.008 -0.007 0.006 -0.004 0.0	-0.001 0.000 0.000 0.0	-0.008 0.004 -0.008 0.005 -0.0	0.000 0.000 0.000 0.001 0.0	-0.004 0.002 -0.005 0.004 -0.0	-0.006 0.009 -0.005 0.006 0.0	Healed Stimulated Open Exclusive Want to resid	The image of the surrounding area at this shopping street
	0.032	-0.014	0.007	800'0- 62	-0.016	23 0.002	-0.014	0.014	0.002	-0.001	0.001	-0.001	0.004	-0.002	0.003	-0.003	0.001	0.000	0 1	0	-0.001	0.001	0.002	-0.002	0.001	0.000	0.000	-0.001	92 0.003	-0.002	0.004	-0.003	91 0.001	0.000	0.006	-0.003	0.004	0.000	100.0-1	-0.003	0.000	-0.001	0.000	0.000	0.001	Do not want to warm	
	-0.006 0.015	-0.016 0.034	0.003 0.012	-0.013 -0.017	0.000 -0.004	0.037 -0.031	0.034 -0.029	-0.034 0.029	-0.002 0.005	0.001 -0.002	-0.002 0.003	0.004 -0.005	0.000 0.000	0.009 -0.009	-0.004 0.004	0.007 -0.008	0 1	1 0	0.000 0.001	0.002 -0.003	-0.004 0.004	0.004 -0.005	-0.003 0.005	0.005 -0.006	-0.004 0.004	0.009 -0.010	-0.007 0.006	0.006 -0.004	-0.006 0.005	0.006 -0.006	0.000 0.001	0.003 -0.005	0.000 -0.002	0.000 0.001	-0.003 0.002	0.001 -0.002	-0.007 0.010	0.007 -0.006	-0.003 0.004	0.004 -0.008	0.001 -0.001	-0.008 0.006	-0.001 0.001	-0.007 0.007	0.001 0.000	a Alcof Fas	
2000 C	-0.043 0.024	-0.030 0.005	-0.024 0.003	-0.007 0.015	0.030 -0.015	0.076 -0.037	0.015 0.003	-0.015 -0.003	-0.013 0.006	0.004 -0.002	-0.011 0.006	0.014 -0.007	-0.007 0.005	0.021 -0.010	0 1	1 0	-0.007 0.002	0.012 -0.005	-0.005 0.003	0.006 -0.003	-0.010 0.005	0.011 -0.005	-0.009 0.004	0.015 -0.007	-0.009 0.005	0.022 -0.010	-0.014 0.007	0.014 -0.008	-0.013 0.006	0.016 -0.008	-0.004 0.002	0.010 -0.004	0.000 0.001	-0.002 0.001	-0.012 0.007	0.007 -0.003	-0.021 0.009	0.015 -0.008	-0.006 0.002	0.013 -0.004	0.000 0.000	-0.012 0.006	0.000 0.000	-0.010 0.003	-0.004 0.003	cinating Not fascinating	
-0.034 0.0	-0.052 0.4	-0.054 -0.0	0.010 -0,	0.002 -0,	0.025 0.	0.103 -0.4	0.016 0.	-0.016 -0.4	-0.017 0.	0.006 -0,	-0.018 0.0	0.018 -0.0	0	1	-0.017 0.0	0.024 -0.0	-0.009 0.0	0.018 04	-0.004 0.0	0.005 0,	-0.014 04	0.016 -0.0	-0.015 04	0.021 -0.4	-0.015 0.	0.030 -0.0	-0.020 0.4	0.019 -0.0	70 610'0	0.022 -0.0	-0.006 0.0	0.008 0.0	0.001 -0.0	-0.003 0.0	-0.014 0.0	0.007 -0.0	-0.027 0.0	0.022 -0.0	-0.010 0.0	0.013 -0.0	0.000 04	-0.016 -0.0	0.000 -0.	-0.010 -0.	-0.009 0.0	Want to play examine	
022 -0.013	048 -0.032	-0.019	-0.043	-0.013	005 0.032	022 0.088	-0.052	050 0.052	-0.016	0.006	0 110	1 800	1 -0.010	0 0.020	-0.013	006 0.018	-0.004	000 0.008	-0.003	0.005	-0.013	003 0.012	-0.008	0.016	-0.011	0.024	-0.013	0.018	-0.011	0.018	-0.002	000 0.009	000.0	-0.003	-0.012	0.008	-0.020	0.016	-0.006	0.010	-0.002	-0.011	0.001 0.001	-0.007	012 -0.009	Lively C	
0.015 0	0.016 -0.	0.006 -0.	0.006 0	-0.006 -0.	-0.008 -0.	-0.028 0	0.029 -0.	-0.029 0	0.007	-0.002	-0.	0 0	0.007 -0.	0 800.0-	0.005 -0.	-0.006 0	0.001 -0.	-0.002 0	0.001 -0.	-0.001 0	0.006 -0.	-0.005 0	0.004 -0.	0 900'0-	0.005 -0	0 800'0-	0.005 -0	0 900'0-	0.005 -0	0 900'0-	0.001 -0	-0.001 0	0.000 0	0.001 -0.	0.005 -0.	-0.003 0	0.007 -0.	-0.006 0	0.003 -0.	-0.003 0	0.001 -0.	0.002 -0.	0.001 0	0.000 -0.	0.006 -0	alm Atmosphere urban	
.023 0.003	049 0.017	0.011 0.011	0.009 0.001	-0.003	-0.008	.069 -0.021	061 0.022	.061 -0.022	0	1	011 0.005	.012 -0.005	012 0.005	.013 -0.007	009 0.004	.012 -0.005	004 0.002	.005 -0.002	003 0.001	.005 -0.002	011 0.004	.007 -0.004	005 0.003	.008 -0.005	008 0.003	.017 -0.007	013 0.004	.012 -0.004	009 0.004	.011 -0.005	003 0.002	.003 -0.001	.002 -0.001	006 0.001	003 0.003	.006 -0.002	011 0.006	.012 -0.005	0.002	.004 -0.003	002 0.001	003 0.002	-0.001	005 0.000	006 0.004	rural area	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	-	-0.028	0.013 4	-0.031	0.022 4	-0.033	-0.007	-0.003	-0.008	0.013 4	-0.031	0.012 4	0.001 4	-0.019	0.010	0.003 -4	0.000	-0.002	0.003 4	4 800.0	0.004 -4	0.015 4	0.003 -4	0.007 4	-0.020	0.006 -4	-0.012	0.010	0.003 4	0.008 -4	0.004 -	0.000	-0.021	-0.017	0.027 4	0.012 4	0.038 4	-0.038	Male Female	Gender
0.000 0	0.000 0	0,000 0	0.000 0	0.000 0	0.000 0	0,000 1	1 0.000	0 0.000	0.027 -0.079	0.012 0.044	0.030 -0.088	0.021 0.113	0.031 -0.043	0.007 0.148	0.003 -0.088	0.008 0.124	0.012 -0.042	0.030 0.102	0.011 0.006	0.001 0.036	0.018 -0.117	0.010 0.085	0.003 -0.045	0.000 0.095	0.002 -0.088	0.002 0.203	0.008 -0.142	0.004 0.147	0.014 -0.101	0.003 0.113	0.007 0.016	0.019 0.055	0.006 -0.006	0.011 -0.031	0.009 -0.055	0.002 0.049	0.008 -0.119	0.004 0.124	0.000 -0.035	0.020 0.064	0.017 0.007	0.025 -0.119	0.012 0.000	0.036 -0.095	0.036 -0.036	10th	Age
0	0	0	0	0	-	0	0.000	0.000	-0.035 4	-0.023 4	-0.029 4	0.045 4	4 0.011	0.040	-0.038	0.053 4	-0.005 4	۰.000 4	-0.043 4	0.026 4	0.041 4	4 0.027	+ 810'0-	0.050	0.011 4	-0.011 4	0.031	-0.001 -4	4 0.00	4 0.063	-0.043 -4	0.038	-0.017	0.043 4	-0.083	0.015	-0.073 4	0.029 4	-0.030 -4	0.045	-0.011 -4	-0.030	0.000	0.018	0.006 -4	0th 30th	
0	0	0 0	0	1 0	0	0	0.000 0.000	0.000 0.000	0.005	0.005	0.014 0.018).012 -0.051).048 -0.008	0.002 0.014	0.025 0.007).008 -0.036	0.017 0.014).025 0.007	0.015 0.016).033 -0.009).008 0.035).005 -0.009	0.037 -0.015	0.009 -0.018	0.010 0.007).008 -0.055	0.037 -0.005).041 -0.025	0.007 0.005).028 -0.018).015 -0.033	9.000 -0.066	0.039 0.002	0.006	0.013 0.037	0.005 -0.042).032 0.056).044 0.024	0.015 0.014	0.036 -0.082).002 -0.009	0.061 0.025	9.000 0.000	0.023 0.039	0.056 0.020	40th	
0	0	1	0	0	0	0	0.000 6	0.000 C	0.058 6	-0.016 -0	0.025 6	-0.035 -0	-0.041 6	-0.108 -0	0.016 0	-0.067 -0	0.063 0	-0.062 -0	-0.048 0	-0.027 -0	0.034 0	-0.092 -0	0.056 0	-0.057 -0	0.021 6	-0.082 -0	0.029 0	0- 900.0	0.012 0	-0.064 -0	-0.001 0	-0.011 -0	-0.055 0	0.008 0	-0.059 0	0.016 -0	0.099 0	-0.073 -0	0.073 -0	-0.058 -0	-0.006 0	0.056 -0	0.000 0	0.055 -0	0.001 0	50th 60th	
0	-	0	0	0	0	0	1.000 0.000	1.000 0.000	0.023	1.048 0.033	0.104	1.063 -0.035	0.098	1114 -0.112	0.031	-0.005	1.030 -0.025	0.024 -0.034	0.120 -0.016	V.031 0.077	0.012 0.043	0.009 -0.048	0.086	1.085 -0.086	0.085	0.069 -0.043	0.025	.060 -0.062	0.061	.076 -0.038	0.021	.049 0.048	0.001	1016 -0.009	126 0.076	.061 0.011	1.120 0.049	.060 -0.053	.008 0.047	.053 0.019	0.021	0.022 0.020	1.000 0.000	1.008 -0.066	0.051 0.115	More than70	