

# Kingsport

---

## V. VIS Data & Analysis

*Prepared by:*

**Kathleen L. B. Beine, M.D.**

*and*



**September, 2005**

# CONTENTS

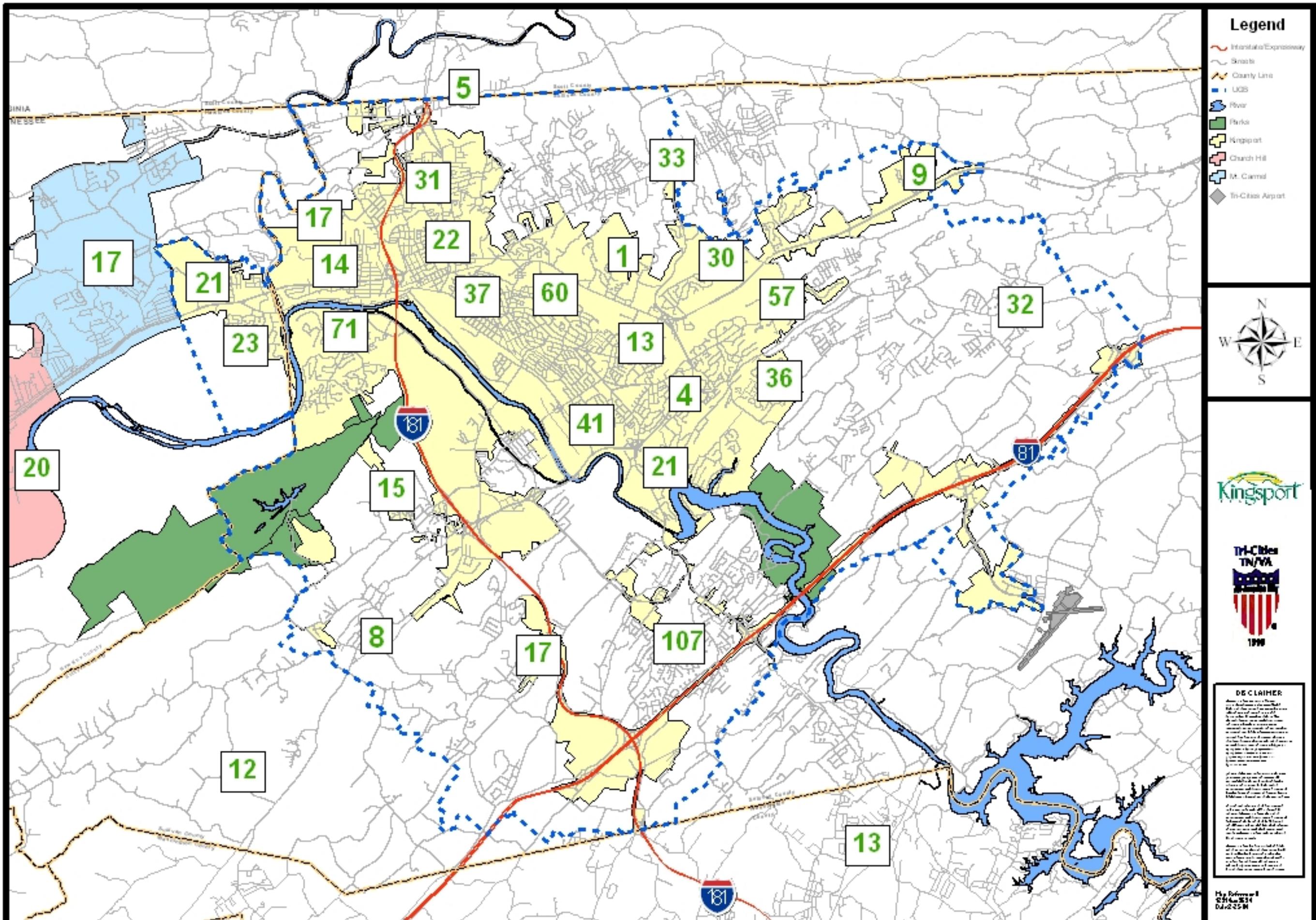
## Section

VIS Respondents' Locations

VIS Survey Tabulation: Demographics & Lifestyle

Demographic Slices of VIS Results

- a. Report Summary - Dr. William Collins, Vanderbilt University
- b. Correlation Matrix for Slide Ratings Across Demographic Slices
- c. Figures with Slide Ratings by Selected Demographic Groups
- d. Characterization of Most Liked and Disliked Slides
- e. Average Slide Ratings by Demographic Groups
- f. Lifestyle Questions by Demographic Groups



**1,015 VPS Respondents: Inside Greater Kingsport Area=820 ; Outside Greater Kingsport Area=155 ; Unknown residence=40**

0 9,800 Feet

**“Looking at Kingsport 2000: A Visual Image Study<sup>©</sup>”**  
©Kathleen L. B. Beine, M.D., 2000

**VIS Survey Form Tabulation: Demographics and Lifestyle Questions # 1- #29**

Prepared by Dr. Richard Zimmerman, Kingsport, TN.

For questions, contact: [rlzimmer@eastman.com](mailto:rlzimmer@eastman.com) or [kbeine@tricon.net](mailto:kbeine@tricon.net), or Tel: 423-288-2921

**Question 1: What is your gender?**

<b>Gender</b>	<b>Frequency</b>	<b>Percent</b>
Female	488	48.1%
Male	526	51.8%
BLANK	1	0.1%
TOTAL	1015	100.0%

**Question 2: How old are you?**

<b>Age</b>	<b>Frequency</b>	<b>Percent</b>
10-18	220	21.7%
19-24	37	3.6%
25-34	102	10.0%
35-44	176	17.3%
45-54	177	17.4%
55-64	118	11.6%
65-74	106	10.4%
75 or older	77	7.6%
BLANK	2	0.2%
TOTAL	1015	100.0%

*(Comment: \* includes a large # of high school and middle school students; lacking college age.)*

**Question 3: What is your background?**

<b>Race</b>	<b>Frequency</b>	<b>Percent</b>
African-American	37	3.6%
Asian or Pacific Islander	13	1.3%
Caucasian	934	92.0%
Hispanic	4	0.4%
Native American	14	1.4%
Other	7	0.7%
Multiple answers	2	0.2%
BLANK	4	0.4%
TOTAL	1015	100.0%

**Question 4: What is the highest level of education that you have completed?**

<b>Educational level</b>	<b>Frequency</b>	<b>Percent</b>
Some high school	211	20.8%
High school degree or GED	108	10.6%
Vocational training or trade school	29	2.9%
Some college	107	10.5%
Two year college degree	47	4.6%
Four year college degree	269	26.5%
Graduate or professional school	204	20.1%
Other:	31	3.1%
BLANK	9	0.9%
TOTAL	1015	100.0%

**Question 5: I am a resident of the greater Kingsport area, ie., City of Kingsport and immediately adjoining areas:**

<b>Kingsport resident</b>	<b>Frequency</b>	<b>Percent</b>
Yes	910	89.7%
No	102	10.0%
BLANK	3	0.3%
TOTAL	1015	100.0%

**Question 5a: If Yes, How Long?**

<b>Years in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
< 1 year	39	3.8%
1-5 years	104	10.2%
6-15 years	179	17.6%
> 15 years	286	28.2%
Native of greater Kingsport area	232	22.9%
Lived here previously moved away and now back	38	3.7%
Multiple answers	9	0.9%
BLANK	128	12.6%
TOTAL	1015	100.0%

(\*Comment: The number actually missing from this chart is only 26 as 102 are not residents of Kingsport, per question # 5 above.)

**Question 6: How many people currently live in your household?**

<b>Household size</b>	<b>Frequency</b>	<b>Percent</b>
One	102	10.0%
Two	365	36.0%
Three	193	19.0%
Four	203	20.0%
Five	88	8.7%
Six or more	54	5.3%
Multiple answers	1	0.1%
BLANK	9	0.9%
TOTAL	1015	100.0%

**Question 7: Do you own your home?**

<b>Own home?</b>	<b>Frequency</b>	<b>Percent</b>
Yes	804	79.2%
No	196	19.3%
BLANK	15	1.5%
TOTAL	1015	100.0%

**Question 8: In what type of residence do you currently live?**

<b>Residence type</b>	<b>Frequency</b>	<b>Percent</b>
Single-family home on less than 1/2 acre of land	363	35.8%
Single-family home on 1/2 acre or more of land	503	49.6%
Townhouse	38	3.7%
Apartment	73	7.2%
Mobile home	17	1.7%
Other	10	1.0%
BLANK	11	1.1%
TOTAL	1015	100.0%

**Question 9: How long do you intend to live in the greater Kingsport area?**

<b>Intend to live in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
Less than 2 years	47	4.6%
3 to 5 years	128	12.6%
6 to 10 years	79	7.8%
11 to 15 years	49	4.8%
More than 16 years	490	48.3%
Not applicable	175	17.2%
BLANK	47	4.6%
TOTAL	1015	100.0%

*(Comments: \*This was a poorly worded question as many of the older participants commented that the survey was asking how long they expected to live, so they put in the best possible answer from that perspective which is over 16 years. Also, a number of participants do not live in Kingsport, so this question was not applicable to them.)*

### Question 10: Employment

<b>Employment</b>	<b>Frequency</b>	<b>Percent</b>
I work full time - 40 hours per week- in Kingsport.	386	38.0%
I work part time in Kingsport.	70	6.9%
I work outside of Kingsport - either full time or part time.	78	7.7%
I do not work.	438	43.2%
Other:	32	3.2%
Multiple answers	2	0.2%
BLANK	9	0.9%
TOTAL	1015	100.0%

*(Comment: \*Many of those who do not work are either students or retirees.)*

### Question 11: I am: (personal status)

<b>Status</b>	<b>Frequency</b>	<b>Percent</b>
Disabled	10	1.0%
Homemaker	78	7.7%
Retired	194	19.1%
Student	256	25.2%
None of the above	441	43.4%
Multiple answers	9	0.9%
BLANK	27	2.7%
TOTAL	1015	100.0%

**Question 12: My total annual household income is:**

<b>Income</b>	<b>Frequency</b>	<b>Percent</b>
Under \$10,000	19	1.9%
\$10,000 to \$24,999	88	8.7%
\$25,000 to \$34,999	76	7.5%
\$35,000 to \$49,999	112	11.0%
\$50,000 to \$74,999	179	17.6%
\$75,000 to \$99,999	114	11.2%
\$100,000 to 149,999	91	9.0%
\$150,000 or above	47	4.6%
Do not know	196	19.3%
BLANK	93	9.2%
TOTAL	1015	100.0%

*(Comment: \*A large number of participants who did not know family income are students.)*

**Question 13: I or members of my household attend Kingsport city schools (K to 12).**

<b>Attend Kingsport schools</b>	<b>Frequency</b>	<b>Percent</b>
Yes	333	32.8%
No	502	49.5%
Not applicable	156	15.4%
Multiple answers	1	0.1%
BLANK	23	2.3%
TOTAL	1015	100.0%

**Question 14: I and / or my family shop in Kingsport:**

<b>Shop in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
Nearly all the time	542	53.4%
Frequently	263	25.9%
Sometimes	135	13.3%
Seldom	44	4.3%
Never	12	1.2%
BLANK	19	1.9%
TOTAL	1015	100.0%

*(Comment: Some of these participants do not live in Kingsport, so therefore this is not applicable to them.)*

**Question 15: I and / or my family dine at restaurants in Kingsport?**

<b>Dine in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
Nearly all the time	311	30.6%
Frequently	384	37.8%
Sometimes	239	23.5%
Seldom	51	5.0%
Never	11	1.1%
BLANK	19	1.9%
TOTAL	1015	100.0%

*(Comment: Some of these participants do not live in Kingsport, so therefore this is not applicable to them.)*

**Question 16: I and/ or my family attend entertainment and / or recreational activities in Kingsport:**

<b>Activities in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
Nearly all the time	169	16.7%
Frequently	293	28.9%
Sometimes	353	34.8%
Seldom	146	14.4%
Never	34	3.3%
BLANK	20	2.0%
TOTAL	1015	100.0%

*(Comment: Some of these participants do not live in Kingsport, so therefore this is not applicable to them.)*

**Question 17: I and / or my family use public areas, such as parks, in Kingsport:**

<b>Use public areas in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
Nearly all the time	95	9.4%
Frequently	251	24.7%
Sometimes	372	36.7%
Seldom	213	21.0%
Never	67	6.6%
BLANK	17	1.7%
TOTAL	1015	100.0%

*(Comment: Some of these participants do not live in Kingsport, so therefore this is not applicable to them.)*

**Question 18: I and / or my family walk or jog in Kingsport:**

<b>Walk / jog in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
Nearly all the time	146	14.4%
Frequently	175	17.2%
Sometimes	274	27.0%
Seldom	204	20.1%
Never	200	19.7%
BLANK	16	1.6%
TOTAL	1015	100.0%

*(Comment: Some of these participants do not live in Kingsport, so therefore this is not applicable to them.)*

**Question 19: I and / or my family bicycle in Kingsport:**

<b>Bicycle in Kingsport</b>	<b>Frequency</b>	<b>Percent</b>
Nearly all the time	48	4.7%
Frequently	70	6.9%
Sometimes	144	14.2%
Seldom	190	18.7%
Never	547	53.9%
BLANK	16	1.6%
TOTAL	1015	100.0%

*(Comment: Some of these participants do not live in Kingsport, so therefore this is not applicable to them.)*

**Question 20-1: I or members of my household can safely walk from my home to work?**

<b>Walk safely home to work</b>	<b>Frequency</b>	<b>Percent</b>
Yes	142	14.0%
No	722	71.1%
BLANK	151	14.9%
TOTAL	1015	100.0%

*(Comment: \*Many of those missing do not live in Kingsport.)*

**Question 20-2: I or members of my household can safely walk from my home to school?**

<b>Walk safely home to school</b>	<b>Frequency</b>	<b>Percent</b>
Yes	188	20.8%
No	558	61.7%
BLANK	159	17.6%
TOTAL	905	100.0%

*(Comment: \*Many of those missing do not live in Kingsport.)*

**Question 20-3: I or members of my household can safely walk from my home to a neighborhood grocery:**

<b>Walk safely home to grocery</b>	<b>Frequency</b>	<b>Percent</b>
Yes	256	25.2%
No	661	65.1%
BLANK	98	9.7%
TOTAL	1015	100.0%

**Question 20-4: I or members of my household can safely walk from my home to a park or recreation area?**

<b>Walk safely to recreation area</b>	<b>Frequency</b>	<b>Percent</b>
Yes	334	32.9%
No	578	56.9%
BLANK	103	10.1%
TOTAL	1015	100.0%

**Question 21: I would like to live in a neighborhood that is designed to include a mix of the following: (Please mark all that apply.)**

*Note: This question is reported using a histogram since there were multiple choices available for the respondents.*

*Note: The histogram below shows the % of the 1015 respondents who selected each "Desired neighborhood amenity." Each respondent could select all, any, or none of the 8 choices. Blanks responses may represent rejection of all the 8 choices, or simply a decision not to answer this question.*

<b>Desired neighborhood amenities</b>	<b>Frequency</b>	<b>Histogram</b>
Various housing types	457	45.0%
Small shopping areas within walking distances or a short drive	635	62.6%
Small businesses and work places within walking distance or a short drive	362	35.7%
Schools	492	48.5%
A neighborhood grocery	527	51.9%
Places of worship	535	52.7%
Civic institutions---libraries; branch Post Office; etc.	499	49.2%
A local park or community center	703	69.3%
BLANK	105	10.3%
<b>TOTAL RESPONDENTS, INCLUDING BLANKS</b>	<b>1015</b>	

**Question 22: Good neighborhoods should have schools, parks, and recreation facilities within walking or bicycling distance of most residents.**

<b>Neighborhoods close to schools, parks, &amp; recreation facilities</b>	<b>Frequency</b>	<b>Percent</b>
Strongly agree	371	36.6%
Agree	407	40.1%
Neutral	174	17.1%
Disagree	33	3.3%
Strongly disagree	6	0.6%
BLANK	24	2.4%
<b>TOTAL</b>	<b>1015</b>	<b>100.0%</b>

**Question 23: To me, a visually attractive community is:**

<b>Visually attractive community</b>	<b>Frequency</b>	<b>Percent</b>
Very important	581	57.2%
Important	315	31.0%
Nice	82	8.1%
Does not matter to me	17	1.7%
BLANK	20	2.0%
TOTAL	1015	100.0%

**Question 24: Do you think making Kingsport more visually attractive would have economic benefit?**

<b>Visually attractive/ economic benefit</b>	<b>Frequency</b>	<b>Percent</b>
Strongly agree	445	43.8%
Agree	411	40.5%
Neutral	86	8.5%
Disagree	12	1.2%
Strongly disagree	6	0.6%
Don't know	31	3.1%
BLANK	24	2.4%
TOTAL	1015	100.0%

**Question 25-1: Do you think that improving the visual and functional aspects (sidewalks, bikeways, etc.) of our community would project a positive image of Kingsport?**

<b>Improvements → positive community image</b>	<b>Frequency</b>	<b>Percent</b>
Yes	884	87.1%
No	13	1.3%
Not sure	59	5.8%
BLANK	59	5.8%
TOTAL	1015	100.0%

**Question 25-2: Do you think that improving the visual and functional aspects (sidewalks, bikeways, etc.) of our community would promote family life?**

<b>Improvements → promote family life</b>	<b>Frequency</b>	<b>Percent</b>
Yes	711	70.0%
No	40	3.9%
Not sure	169	16.7%
BLANK	95	9.4%
TOTAL	1015	100.0%

**Question 25-3: Do you think that improving the visual and functional aspects (sidewalks, bikeways, etc.) of our community would improve safety for residents?**

<b>Improvements → increase safety</b>	<b>Frequency</b>	<b>Percent</b>
Yes	796	78.4%
No	37	3.6%
Not sure	99	9.8%
BLANK	83	8.2%
TOTAL	1015	100.0%

**Question 25-4: Do you think that improving the visual and functional aspects (sidewalks, bikeways, etc.) of our community would improve health and well-being?**

<b>Improvements → better health</b>	<b>Frequency</b>	<b>Percent</b>
Yes	684	67.4%
No	58	5.7%
Not sure	181	17.8%
BLANK	91	9.0%
MULT	1	0.1%
TOTAL	1015	100.0%

**Question 26: Think about a community that you lived in or visited that made a significant positive impression on you. What was it about this community that you really liked that left such a positive impression on you?**

*Note: This was a short answer question; complete responses have been recorded and tallied in a separate document.*

**Top five responses for making a positive impression:**

“Green – Clean – Sidewalks – Parks & Playgrounds – Neighborhoods”

**Question 27: Think about a community that you lived in or visited that made a significant negative impression on you. What was it that caused this negative impression?**

*Note: This was a short answer question; complete responses have been recorded and tallied in a separate document.*

**Top five responses for making a negative impression:**

“Dirty – Barren – Shabby buildings – Unkempt neighborhoods – Roads in poor repair”

**Question 28: What do you think is the greatest obstacle to development and improvement in Kingsport?**

*Note: This was a short answer question; complete responses have been recorded and tallied in a separate document.*

**Top three responses for greatest obstacles to development and improvement in Kingsport:**

#1 – People and attitudes in the community

#2 – Money

#3 – Government

**Question 29: After you have seen the slides, for those images that you gave a negative score, how do you think they impact the character and value of Kingsport?**

**Note:**

*The histogram shows the % of the non-blank respondents who selected each "Impact."*

*Each respondent could select all, any, or none of the 6 choices.*

*Since "None of the above" was a possible choice, blank responses represent merely a failure to answer this question.*

*No respondent who selected "None of the above" selected any of the other possible choices.*

**Perceived Impact to Kingsport**

	<b>Frequency</b>	<b>Histogram</b>
Negative impact on the overall perception of Kingsport by residents and by others outside community	515	63.0%
Has a negative impact on the economic viability of Kingsport as a city	455	55.6%
Has a negative impact on the economic viability of the property shown in the slide	461	56.4%
Provides for an opportunity for positive redevelopment and improvement	574	70.2%
None of the above	21	2.6%
BLANK	197	
TOTAL RESPONDENTS, INCLUDING BLANKS	1015	
SUBTOTAL RESPONDENTS, EXCLUDING BLANKS	818	

**Question 30: Please give us any additional comments.**

*Note: This was a short answer question; complete responses have been recorded and tallied in a separate document.*

###END

# VISCOR

## Demographic Slices of VIS Slide Ratings

Prepared by William Collins, Ph.D.  
for The Walker Collaborative  
June 27, 2004

### 1. Background

After our conference call with Kingsport officials, I received five CDs from Dr. Kathleen Beine related to the VISCOR project. The key CD included corrected datasets in Microsoft Excel spreadsheets that were similar to those that emailed to me several weeks ago by Phil Walker, The Walker Collaborative. Stata is a software package often used by economists for the analysis of large cross-sectional datasets, such as the one generated by the “Looking at Kingsport 2000: A Visual Image Study<sup>®</sup>”. Other CDs received included Powerpoint presentations of the slides that the participants viewed and rated. This information, in combination with the hardcopies of the slides that were organized into thematic groups, was useful for matching the raw numeric data that I had with the actual photos that participants were rating.

Dr. Beine, with broad-based support in the Kingsport community, led the effort to put together this data set. The data were collected over a ten month period in 2000-2001 during 51 presentations. At each presentation, survey participants viewed and rated 222 different slides covering 15 separate topics of interest. Approximately 58 percent of the scenes were local; the remainder were not. Participants also provided a range of demographic information about themselves, and about the range of lifestyle activities they (or their families) undertake in Kingsport. The data sets were well organized and well labeled.

After a preliminary analysis of the slide ratings, 14 focus groups (consisting of 85 participants) were formed to provide additional feedback on what they thought of the slides. This information has been transcribed and will be reviewed by Phil Walker. In what follows I sum up my analysis of the data, with emphasis on the slide ratings and the extent to which different groups had different opinions of the slides.

### 2. Approach to Data Analysis

The data from the spreadsheet with the demographic information of the survey participants was combined with the data on a separate spreadsheet that included the participants’ ratings of 222 different slides. 1,015 people participated in the survey, and so, for the slide ratings alone there are more than 225,000 cells of data. Some respondents did not rate particular slides, implying that there may be slight changes in the composition of the sample from slide to slide. But these missing values were generally

few in number, and therefore they could not have significantly influenced the basic results reported below.

The basic demographic information for each participant includes the following:

1. Employment status
2. Educational attainment
3. Income of household (by categories)
4. Length of time the person had resided in Kingsport (and intended to reside there)
5. Home ownership and housing type
6. Household size
7. Age, race, and gender.

To establish a baseline set of figures, I averaged the ratings for each slide across all participants in the survey. This essentially replicated information from a preliminary analysis of the results undertaken by Dr. Richard Zimmerman and confirmed that the data had been transferred correctly into the Stata format.

There was a great deal of variation in slide ratings on the  $-5$  to  $+5$  scale. The mean rating across slides was 0.70; the median rating was 1.02; and the standard deviation was 1.85. The minimum value was  $-3.94$  (slide 176, an industrial site) and the maximum value was  $+3.92$  (slide 196, a photo of Church Circle with its brick churches, traffic circle, and trees). In the appendix, I provide additional characterizations of the slides that fell into the top 5 percent and bottom 5 percent of the distribution to give a sense of what people most liked and most disliked.

Given the range of demographic information and the large number of slides, one could slice the data in many different ways. The most interesting potential splits, in my view, were those associated with student/non-student status, native/non-native status, income groups, and educational groups. Of course, other splits or finer slices of the data are possible, but as I describe below, the basic patterns that emerged were so strong that additional splits seemed redundant.

I have attached in the appendix, average cell ratings for all 222 slides for the following 12 groups:

1. The full sample
2. A subsample of students
3. A subsample of non-students
4. A subsample who reported working full-time in Kingsport
5. A subsample of respondents from “high income” households (more than \$75,000) [excluding students]
6. A subsample of respondents from “not high income” households [excluding students]
7. A subsample of “high education” respondents (four year college degree, or professional degree) [excluding students]
8. A subsample of “not high education” respondents [excluding students]

9. A subsample of respondents who are native to Kingsport
10. A subsample of respondents who are not native to Kingsport
11. A subsample of respondents who own their home [excluding students]
12. A subsample of respondents who did not own their home [excluding students]

These groups are generally not designed to be mutually exclusive, though of course a respondent cannot simultaneously appear in both the high income and the not-high-income samples, nor in both the high education and the not-high-education groups, nor in both the native and non-native subsamples, nor in the homeowner and not-homeowner categories.

### **3. Conclusions Based on Demographic Slices**

The most remarkable thing about the demographic slices is the degree of conformity across the various subsamples. Essentially, there is a great deal of consensus as to what looks good and what does not look good, as presented in the slides. The appendix includes a correlation matrix for the ten groups. The correlation coefficient measures the extent to which different subsamples agreed in their average ratings of the 222 slides. By definition, the coefficient must vary between  $-1$  and  $+1$  (perfect agreement). In most cases, the correlations between groups are near 0.99. In almost all cases, the correlation is above 0.90. The correlations tend to be a bit weaker between the students and other groups, but only in a relative sense. All of these coefficients are extremely high. For example, between the high and not-high-income groups, the correlation in average ratings across slides is 0.984; between natives and non-natives, the correlation in average ratings across slides is 0.996; between high and not-high education groups, the correlation is 0.962. The strength of these correlations is made visually clear in the four graphs of slide ratings by mutually exclusive demographic groups.

These results imply that there is little scope for targeting the preferences of particular groups on basis of visual amenities, since all groups appear to have highly correlated preferences. In many ways this should be reassuring to planners and policymakers, subject to the following caveat. Although it seems that there is a tremendous amount of agreement as to what looks nice and what does not, as presented in the slides, it is not clear how much people would be willing to pay in order to attain various kinds of urban amenities. For example, people clearly liked the slide with the traffic circle and brick buildings (Church Circle). It obviously does not follow that people would support a policy to replace existing intersections with traffic circles and existing public buildings with brick ones since doing so would be extremely expensive. But perhaps there would be scope for considering such preferences in making new public investments. Likewise, people obviously did not like the slide with the rusting industrial site. But if shutting down industrial enterprises would cost jobs and tax revenue, again, it does not follow that people would support a policy to eliminate such sites from the city. Again though, it could be kept in mind when thinking about what kinds of industries one might like to attract to Kingsport.

Additionally in the appendix, I have tabulated responses to a series of life-style related questions for each of the demographic slices described above:

- Shopping in Kingsport
- Dining in Kingsport
- Entertainment in Kingsport
- Use public areas in Kingsport
- Walk or jog in Kingsport
- Bicycle in Kingsport

As with the slide ratings, the tabulations within different demographic slices are similar. I expected more differences across groups here than in the slide ratings, but I think that group differences (particularly age group differences) were smoothed out because the question was posed in the form of “you or your family”.

#### **4. Appendix List**

Appendix: Correlation Matrix for Slide Ratings Across Demographic Slices

Appendix: Figures of Slide Ratings for Selected Demographic Groups

Appendix: Brief Characterization of Most Liked and Most Disliked Slides

Appendix: Average Slide Ratings by Demographic Slices

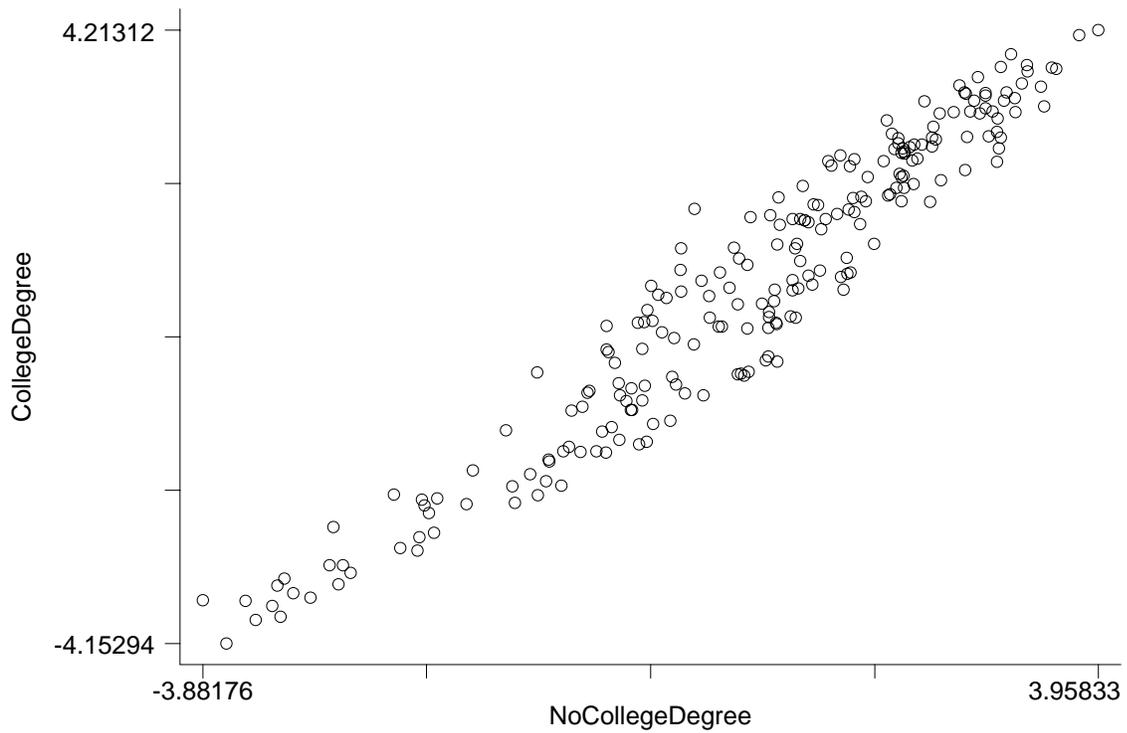
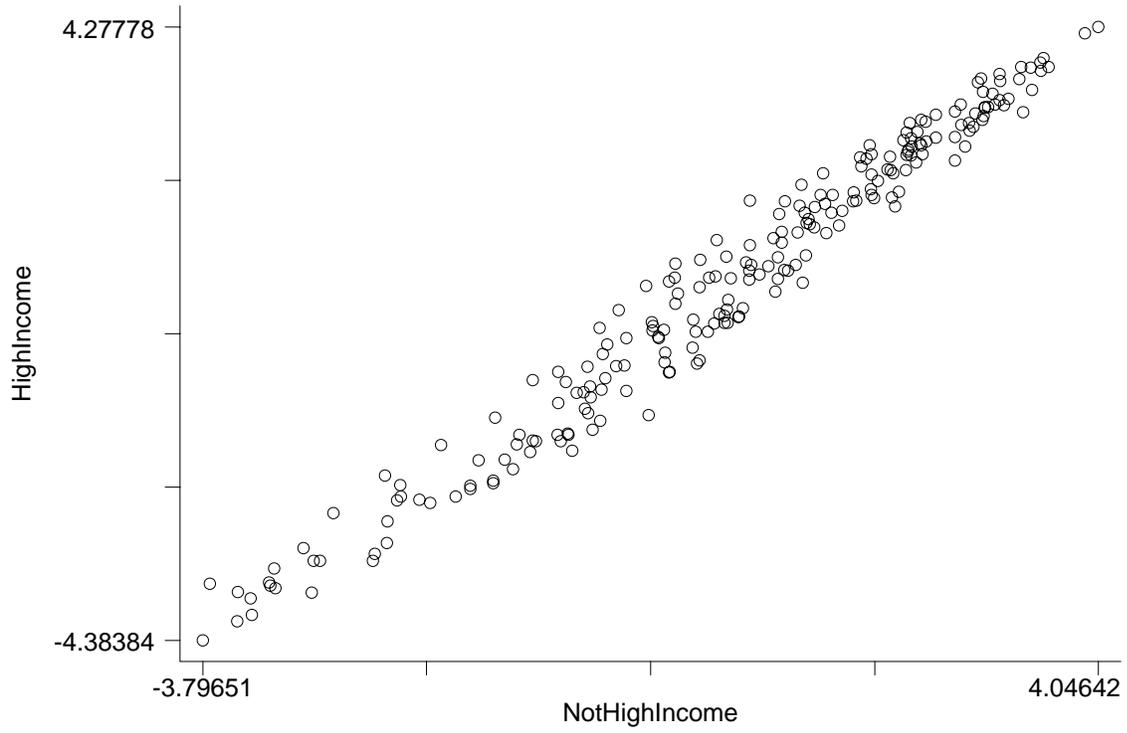
Appendix: Lifestyle Questions Tabulations by Demographic Slices

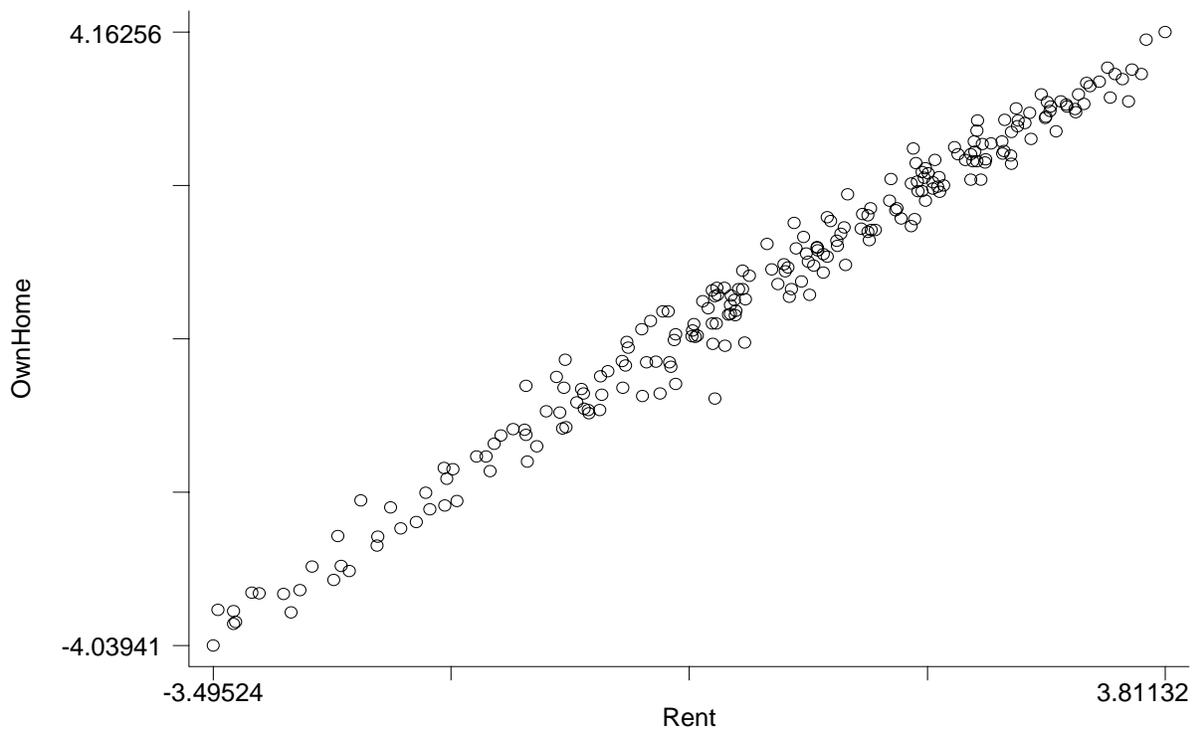
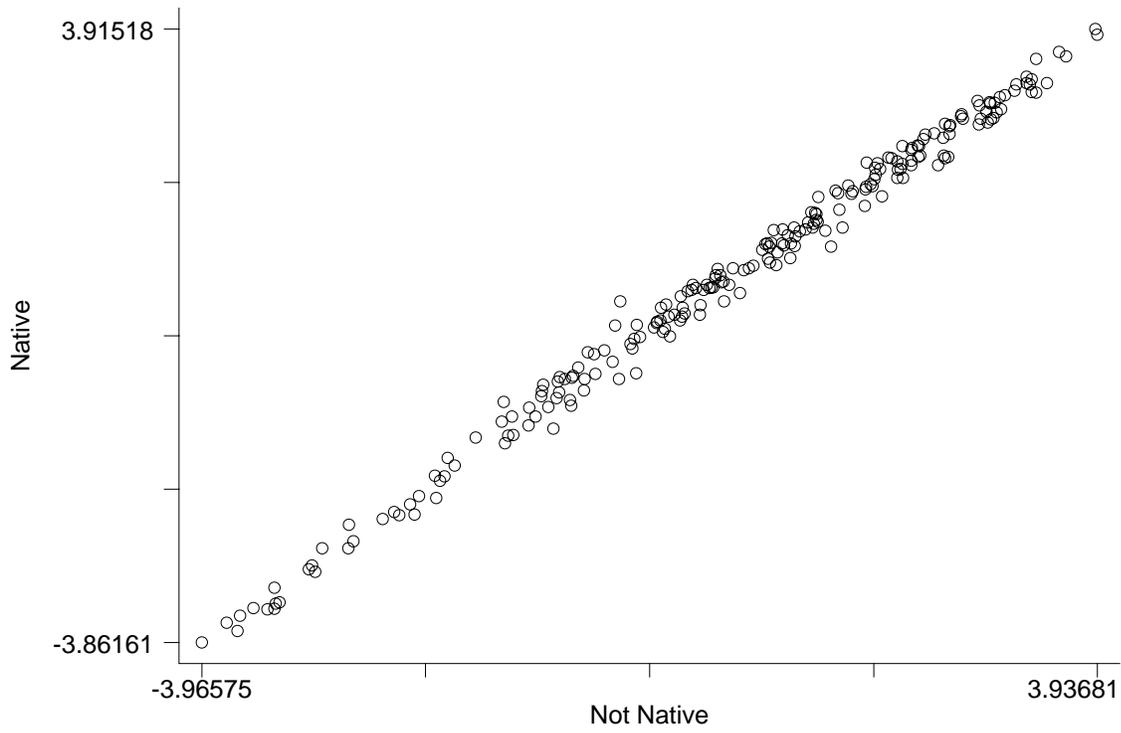
**Appendix: Correlation Matrix for Slide Ratings Across Demographic Slices**

	Full Sample	Fulltime Workers	Not Students	Students	Not College Degree	College Degree, Or More	Not Native of Kpt	Native of Kpt	Not High Income	High Income	Home Owners	Not Home Owners
Full Sample	1.000											
Fulltime Workers	0.995	1.000										
Not Students	0.998	0.996	1.000									
Students	0.976	0.960	<u>0.959</u>	1.000								
Not College Degree	0.986	0.973	0.985	<u>0.959</u>	1.000							
College Degree	0.991	0.996	0.995	<u>0.946</u>	<u>0.962</u>	1.000						
Not Native	0.999	0.995	0.998	0.975	0.985	0.992	1.000					
Native	0.998	0.992	0.995	0.976	0.988	0.985	<u>0.996</u>	1.000				
Not High Income	0.997	0.992	0.999	<u>0.961</u>	0.992	0.989	0.997	0.995	1.000			
High Income	0.989	0.995	0.993	<u>0.945</u>	0.959	0.998	0.989	0.983	<u>0.984</u>	1.000		
Home Owners	0.997	0.995	0.999	<u>0.957</u>	0.985	0.995	0.997	0.994	0.998	0.992	1.000	
Not Home Owners	0.994	0.994	0.993	<u>0.963</u>	0.979	0.988	0.993	0.991	0.992	0.985	<u>0.991</u>	1.000

Notes: The correlation coefficient is the ratio of the covariance of ratings across two demographic groups over the product of the standard deviations of ratings for each group:  $Cov(X,Y)/(Std.Dev.X*Std.Dev.Y)$ . It can vary between -1 and +1. Figures that are close to 1 reflect high levels of positive correlation. Underlined figures are for mutually exclusive pairs of groups. Students are excluded from calculations for income groups, home ownership groups, and educational attainment groups, and therefore the “students” column is mutually exclusive with several others.

**Appendix: Figures with Slide Ratings, by Selected Demographic Groups**  
*(each point represents a slide)*





## **Appendix: Characterization of Most Liked and Most Disliked Slides**

### Most Liked Slides (Average Full Sample Rating > 3.3)

- 1: Paved walkway along water)
- 7: Landscaped park, curved walkways, modern low building
- 9: Wooden park bench, curved walkways
- 50: Wide sidewalks with brick portions
- 52: Street furniture, bushes between sidewalk and street
- 69: Sidewalk along park
- 119: Homes on hill, along curved road
- 196: Traffic circle with brick churches
- 197: Brick building w/ street lamp
- 199: Big white house, green yard
- 212: Large outdoor landscaped stairway on hillside

### Most Disliked Slides (Average Full Sample Rating < -3.0)

- 33: No sidewalk
- 34: No sidewalk
- 41: Broken sidewalk
- 53: Bus stop bench w/ trash bin
- 71: Vacant lot
- 82: Boarded up storefront
- 175: Chain link fence w/ barbed wire
- 176: Rusting industrial site
- 178: Dumpster
- 179: Old building

### Appendix: Average Slide Ratings, by Demographic Group

Slide Num.	Full Sample	Fulltime Workers	Not Students	Not Students	Not College Degree	College Degree, Or More	Not Native of Kpt	Native of Kpt	Not High Income	High Income	Home Owners	Not Home Owners
1	3.311	3.345	3.471	2.857	3.103	3.707	3.340	3.213	3.372	3.717	3.499	3.308
2	2.987	3.050	3.137	2.560	2.787	3.364	2.992	2.969	2.990	3.498	3.172	2.934
3	2.167	2.370	2.495	1.237	2.306	2.619	2.177	2.133	2.409	2.707	2.602	1.877
4	2.324	2.646	2.560	1.648	2.416	2.654	2.299	2.407	2.464	2.798	2.625	2.193
5	1.782	2.027	2.099	0.869	1.938	2.207	1.738	1.929	2.062	2.195	2.141	1.862
6	-0.608	-0.714	-0.307	-1.472	-0.274	-0.329	-0.590	-0.668	-0.293	-0.341	-0.222	-0.794
7	3.605	3.622	3.644	3.492	3.588	3.681	3.599	3.624	3.566	3.840	3.660	3.555
8	2.644	2.675	2.926	1.820	3.072	2.829	2.633	2.678	2.950	2.865	2.987	2.582
9	3.338	3.484	3.525	2.794	3.339	3.649	3.357	3.275	3.456	3.700	3.533	3.482
10	1.172	0.979	1.169	1.178	1.524	0.934	1.170	1.175	1.298	0.847	1.161	1.218
11	0.247	0.335	0.238	0.275	0.010	0.390	0.257	0.216	0.086	0.617	0.303	-0.139
12	2.938	2.950	3.078	2.529	2.973	3.149	2.960	2.865	3.051	3.148	3.105	2.927
13	2.343	2.383	2.418	2.126	2.233	2.541	2.358	2.294	2.380	2.514	2.416	2.431
14	1.468	1.573	1.613	1.055	1.572	1.639	1.467	1.471	1.564	1.734	1.569	1.862
15	-2.124	-2.487	-2.184	-1.953	-1.898	-2.374	-2.089	-2.242	-2.093	-2.411	-2.193	-2.130
16	3.191	3.345	3.278	2.941	3.156	3.360	3.208	3.137	3.184	3.517	3.234	3.532
17	2.967	3.260	3.170	2.378	2.742	3.457	3.021	2.785	3.017	3.555	3.190	3.055
18	2.518	2.550	2.630	2.192	2.106	2.977	2.580	2.308	2.497	2.967	2.669	2.409
19	0.639	0.774	0.684	0.506	0.299	0.944	0.619	0.705	0.563	0.990	0.739	0.373
20	1.455	1.675	1.618	0.980	1.157	1.928	1.415	1.590	1.449	2.048	1.688	1.216
21	0.733	0.767	0.800	0.539	0.647	0.902	0.783	0.564	0.827	0.731	0.793	0.838
22	0.118	-0.105	0.107	0.148	0.247	0.014	0.119	0.115	0.195	-0.114	0.094	0.180
23	-0.157	-0.013	-0.030	-0.523	-0.345	0.181	-0.180	-0.079	-0.151	0.276	0.021	-0.318
24	0.826	0.818	0.961	0.431	0.885	1.011	0.817	0.856	0.962	0.957	0.990	0.791
25	-0.872	-1.161	-0.887	-0.829	-0.060	-1.442	-0.953	-0.599	-0.561	-1.710	-0.935	-0.613
26	0.178	0.018	0.035	0.594	0.805	-0.481	0.153	0.264	0.289	-0.605	-0.035	0.432
27	0.085	-0.171	0.042	0.212	0.858	-0.502	0.051	0.202	0.294	-0.595	-0.011	0.342
28	0.154	-0.118	0.047	0.465	0.829	-0.477	0.087	0.379	0.248	-0.462	0.048	0.045
29	0.323	-0.056	0.281	0.443	1.072	-0.242	0.262	0.529	0.491	-0.249	0.266	0.367
30	0.430	-0.082	0.273	0.882	1.149	-0.312	0.435	0.410	0.553	-0.435	0.263	0.333
31	-2.969	-2.900	-2.961	-2.992	-2.768	-3.088	-2.992	-2.890	-2.913	-3.081	-3.051	-2.450
32	0.605	0.811	0.864	-0.150	0.307	1.234	0.646	0.465	0.704	1.267	0.906	0.622
33	-3.347	-3.465	-3.313	-3.445	-3.228	-3.370	-3.321	-3.434	-3.213	-3.567	-3.334	-3.196
34	-3.287	-3.296	-3.229	-3.458	-3.164	-3.273	-3.322	-3.170	-3.171	-3.374	-3.300	-2.830
35	3.005	3.301	3.128	2.644	2.800	3.346	3.050	2.855	3.036	3.360	3.130	3.119
36	-0.436	-0.579	-0.456	-0.379	-0.238	-0.603	-0.505	-0.210	-0.303	-0.846	-0.444	-0.523
37	1.064	1.194	1.261	0.486	1.303	1.233	1.024	1.197	1.273	1.232	1.282	1.143
38	-2.040	-2.089	-2.101	-1.854	-1.960	-2.196	-2.050	-2.004	-2.064	-2.196	-2.170	-1.714
39	1.226	1.445	1.402	0.711	1.168	1.557	1.236	1.193	1.412	1.376	1.377	1.541
40	-2.123	-2.097	-2.160	-2.016	-2.207	-2.128	-2.126	-2.114	-2.201	-2.057	-2.218	-1.830
41	-3.665	-3.563	-3.690	-3.590	-3.882	-3.562	-3.648	-3.722	-3.732	-3.586	-3.752	-3.336
42	-2.670	-2.646	-2.635	-2.779	-2.735	-2.567	-2.671	-2.668	-2.653	-2.589	-2.704	-2.236
43	-2.967	-3.158	-2.910	-3.142	-2.652	-3.084	-2.965	-2.973	-2.770	-3.263	-2.979	-2.509
44	1.693	2.037	1.799	1.369	1.368	2.089	1.651	1.835	1.637	2.213	1.807	1.752
45	0.078	-0.082	0.119	-0.045	0.416	-0.079	0.046	0.186	0.146	0.053	0.102	0.218

Slide Num.	Full Sample	Fulltime Workers	Not Students	Students	Not College Degree	College Degree, Or More	Not Native of Kpt	Native of Kpt	Not High Income	High Income	Home Owners	Not Home Owners
46	1.945	2.117	2.037	1.665	2.137	1.971	1.952	1.920	2.057	1.986	2.029	2.081
47	0.300	0.356	0.407	-0.029	0.180	0.561	0.298	0.305	0.367	0.510	0.395	0.477
48	2.521	2.807	2.542	2.457	2.152	2.804	2.500	2.590	2.392	2.919	2.538	2.564
49	2.187	2.412	2.460	1.359	2.246	2.604	2.172	2.235	2.411	2.586	2.465	2.432
50	3.330	3.410	3.444	2.984	3.453	3.438	3.394	3.111	3.465	3.390	3.487	3.205
51	2.945	3.103	3.099	2.484	2.869	3.253	2.996	2.772	3.081	3.144	3.094	3.127
52	3.433	3.579	3.574	3.008	3.334	3.736	3.493	3.235	3.542	3.656	3.600	3.427
53	-3.605	-3.646	-3.549	-3.772	-3.507	-3.578	-3.628	-3.527	-3.489	-3.705	-3.587	-3.339
54	3.044	3.135	3.206	2.553	3.134	3.255	3.085	2.903	3.220	3.172	3.241	3.009
55	1.484	1.601	1.877	0.301	1.811	1.921	1.459	1.568	1.900	1.818	1.908	1.697
56	-1.872	-2.074	-2.038	-1.373	-1.831	-2.177	-1.909	-1.750	-1.896	-2.399	-2.110	-1.624
57	3.020	3.011	2.996	3.094	2.837	3.103	3.031	2.982	2.972	3.057	3.014	2.892
58	0.227	0.149	0.398	-0.289	0.555	0.292	0.207	0.294	0.498	0.139	0.387	0.459
59	-0.071	-0.037	0.173	-0.802	0.057	0.250	-0.096	0.013	0.242	-0.005	0.171	0.183
60	0.608	0.847	0.713	0.293	0.731	0.701	0.564	0.754	0.695	0.760	0.648	1.081
61	2.270	2.394	2.528	1.490	2.346	2.649	2.295	2.187	2.498	2.604	2.560	2.348
62	1.276	1.562	1.495	0.616	1.284	1.637	1.273	1.286	1.491	1.507	1.489	1.532
63	0.272	0.021	0.365	-0.008	0.663	0.164	0.272	0.272	0.519	-0.029	0.430	0.000
64	0.399	0.695	0.449	0.249	0.044	0.720	0.432	0.289	0.336	0.738	0.437	0.518
65	1.178	1.376	1.359	0.635	0.912	1.658	1.228	1.009	1.253	1.632	1.371	1.290
66	-0.571	-0.727	-0.556	-0.618	-0.231	-0.772	-0.585	-0.524	-0.401	-0.952	-0.591	-0.349
67	1.062	1.149	1.230	0.553	1.148	1.285	1.103	0.925	1.205	1.295	1.244	1.145
68	-1.926	-2.296	-1.982	-1.757	-1.575	-2.256	-1.894	-2.031	-1.802	-2.442	-2.003	-1.862
69	3.303	3.370	3.302	3.305	2.905	3.568	3.359	3.118	3.182	3.610	3.329	3.147
70	1.799	1.894	1.772	1.880	1.775	1.770	1.780	1.859	1.719	1.908	1.777	1.743
71	-3.298	-3.448	-3.296	-3.303	-2.939	-3.533	-3.279	-3.358	-3.156	-3.655	-3.356	-2.955
72	0.115	0.322	0.352	-0.605	0.634	0.165	0.084	0.218	0.346	0.369	0.423	-0.045
73	1.494	1.721	1.687	0.909	1.468	1.833	1.536	1.355	1.652	1.777	1.714	1.532
74	-1.851	-2.226	-1.795	-2.021	-1.146	-2.236	-1.862	-1.817	-1.583	-2.357	-1.811	-1.703
75	3.292	3.426	3.407	2.951	3.288	3.487	3.310	3.235	3.355	3.542	3.438	3.234
76	1.621	2.024	2.066	0.288	1.624	2.366	1.689	1.401	1.973	2.307	2.073	2.027
77	-0.915	-1.168	-0.911	-0.929	-0.386	-1.268	-0.969	-0.739	-0.690	-1.485	-0.906	-0.936
78	2.452	2.617	2.526	2.230	2.210	2.739	2.532	2.187	2.486	2.632	2.509	2.624
79	-2.846	-3.141	-2.949	-2.537	-2.586	-3.196	-2.900	-2.670	-2.827	-3.266	-2.987	-2.734
80	1.437	1.765	1.523	1.180	1.352	1.638	1.434	1.447	1.433	1.754	1.553	1.349
81	-0.485	-0.629	-0.385	-0.784	-0.010	-0.637	-0.494	-0.456	-0.269	-0.685	-0.371	-0.463
82	-3.489	-3.802	-3.551	-3.305	-3.197	-3.790	-3.507	-3.429	-3.367	-4.030	-3.567	-3.459
83	1.091	1.104	0.984	1.412	0.813	1.099	1.058	1.204	1.008	0.921	0.948	1.185
84	-0.353	-0.551	-0.305	-0.494	0.339	-0.744	-0.410	-0.163	-0.088	-0.867	-0.300	-0.330
85	0.414	0.496	0.570	-0.054	0.553	0.581	0.356	0.604	0.556	0.606	0.580	0.509
86	-0.761	-1.077	-0.840	-0.523	0.003	-1.408	-0.822	-0.558	-0.599	-1.465	-0.895	-0.528
87	2.380	2.579	2.435	2.217	2.257	2.557	2.365	2.431	2.340	2.680	2.401	2.630
88	-1.189	-1.299	-1.151	-1.305	-0.672	-1.470	-1.302	-0.818	-1.021	-1.485	-1.159	-1.103
89	1.109	1.424	1.304	0.531	1.322	1.293	1.117	1.084	1.275	1.381	1.306	1.296
90	-0.208	-0.163	-0.451	0.523	-0.126	-0.671	-0.316	0.152	-0.424	-0.522	-0.541	0.055
91	2.283	2.476	2.482	1.686	2.205	2.669	2.294	2.246	2.365	2.790	2.528	2.222
92	-1.480	-1.970	-1.495	-1.433	-0.741	-2.007	-1.545	-1.265	-1.250	-2.134	-1.512	-1.398
93	1.211	1.403	1.226	1.165	0.424	1.777	1.162	1.372	0.998	1.825	1.269	0.981

Slide Num.	Full Sample	Fulltime Workers	Not Students	Students	Not College Degree	College Degree, Or More	Not Native of Kpt	Native of Kpt	Not High Income	High Income	Home Owners	Not Home Owners
94	0.198	-0.166	0.094	0.512	0.895	-0.450	0.130	0.422	0.255	-0.328	0.008	0.583
95	2.154	2.398	2.285	1.769	2.079	2.425	2.118	2.274	2.224	2.444	2.339	1.971
96	-1.174	-1.375	-1.069	-1.492	-0.349	-1.552	-1.228	-0.995	-0.875	-1.578	-1.119	-0.787
97	1.468	1.543	1.524	1.297	1.389	1.616	1.460	1.493	1.476	1.650	1.519	1.556
98	2.176	2.186	2.234	2.000	2.251	2.223	2.222	2.027	2.227	2.255	2.278	1.991
99	1.067	0.946	1.098	0.975	1.726	0.673	1.041	1.155	1.242	0.717	1.052	1.361
100	-1.806	-1.828	-1.684	-2.174	-1.519	-1.796	-1.820	-1.761	-1.706	-1.625	-1.689	-1.654
101	0.535	0.410	0.507	0.620	0.308	0.642	0.495	0.668	0.344	0.935	0.512	0.477
102	1.652	1.675	1.769	1.303	1.825	1.731	1.660	1.627	1.802	1.685	1.808	1.551
103	-0.641	-0.962	-0.669	-0.558	0.062	-1.161	-0.688	-0.487	-0.380	-1.415	-0.671	-0.654
104	2.988	2.941	3.036	2.840	3.075	3.009	2.988	2.987	3.042	3.020	3.081	2.774
105	-2.229	-2.458	-2.411	-1.686	-1.983	-2.706	-2.222	-2.253	-2.180	-3.015	-2.474	-2.056
106	-0.654	-0.399	-0.660	-0.638	-0.955	-0.460	-0.698	-0.511	-0.683	-0.598	-0.685	-0.514
107	-0.736	-0.873	-0.840	-0.423	-0.302	-1.205	-0.808	-0.498	-0.593	-1.487	-0.874	-0.645
108	-1.088	-1.443	-1.326	-0.380	-0.855	-1.645	-1.080	-1.111	-1.079	-1.970	-1.382	-1.009
109	-1.258	-1.496	-1.508	-0.508	-0.873	-1.941	-1.263	-1.239	-1.254	-2.165	-1.583	-1.083
110	0.499	0.473	0.608	0.174	0.805	0.474	0.465	0.611	0.802	0.101	0.648	0.377
111	2.048	2.030	2.022	2.124	2.119	1.956	2.020	2.137	2.082	1.865	2.036	1.944
112	-1.730	-1.735	-1.673	-1.900	-1.171	-2.014	-1.794	-1.522	-1.452	-2.250	-1.665	-1.720
113	2.370	2.468	2.425	2.207	2.265	2.534	2.349	2.440	2.449	2.360	2.450	2.278
114	1.547	0.984	1.262	2.402	1.786	0.902	1.475	1.783	1.395	0.915	1.284	1.139
115	0.540	0.441	0.614	0.314	1.075	0.298	0.512	0.631	0.771	0.201	0.637	0.481
116	3.220	3.051	3.152	3.423	3.231	3.098	3.222	3.212	3.141	3.181	3.169	3.056
117	3.070	3.108	3.178	2.739	2.969	3.322	3.075	3.054	3.118	3.337	3.226	2.907
118	2.915	2.631	2.799	3.266	3.088	2.600	2.970	2.733	2.880	2.585	2.828	2.630
119	3.314	3.321	3.301	3.354	3.483	3.175	3.315	3.311	3.389	3.070	3.285	3.389
120	2.361	2.205	2.394	2.261	2.330	2.438	2.377	2.308	2.365	2.470	2.455	2.047
121	0.303	-0.111	0.250	0.459	1.048	-0.295	0.279	0.382	0.532	-0.480	0.260	0.196
122	0.569	0.345	0.654	0.315	1.075	0.365	0.547	0.640	0.796	0.285	0.710	0.333
123	0.653	0.539	0.697	0.525	1.017	0.478	0.610	0.796	0.803	0.420	0.725	0.537
124	2.137	2.300	2.197	1.959	1.825	2.451	2.171	2.027	2.042	2.603	2.219	2.074
125	0.686	0.960	0.666	0.746	0.485	0.790	0.690	0.673	0.638	0.740	0.621	0.926
126	1.026	1.073	1.050	0.954	0.770	1.241	1.049	0.951	0.994	1.195	1.039	1.113
127	1.230	0.895	0.999	1.925	1.283	0.804	1.208	1.301	1.080	0.784	1.013	0.917
128	2.877	2.884	2.871	2.896	2.570	3.077	2.908	2.779	2.791	3.080	2.906	2.676
129	1.366	1.097	1.367	1.365	1.753	1.103	1.365	1.372	1.487	1.055	1.424	1.037
130	1.292	1.086	1.192	1.591	1.704	0.843	1.259	1.402	1.329	0.835	1.192	1.189
131	1.148	0.841	0.950	1.742	1.331	0.692	1.082	1.366	0.992	0.840	0.959	0.897
132	1.887	2.149	2.126	1.172	1.782	2.358	1.889	1.879	2.014	2.415	2.198	1.705
133	-1.031	-1.216	-1.089	-0.859	-0.436	-1.531	-1.075	-0.889	-0.906	-1.565	-1.137	-0.815
134	0.096	0.043	0.111	0.050	0.140	0.091	0.102	0.076	0.192	-0.101	0.121	0.056
135	-1.017	-1.274	-1.203	-0.461	-0.726	-1.531	-1.022	-1.000	-1.044	-1.621	-1.223	-1.093
136	0.556	0.287	0.445	0.888	0.887	0.143	0.531	0.637	0.625	-0.025	0.470	0.306
137	-1.220	-1.493	-1.340	-0.862	-0.845	-1.677	-1.217	-1.232	-1.152	-1.833	-1.340	-1.336
138	1.244	1.157	1.178	1.440	1.351	1.061	1.268	1.166	1.239	1.020	1.200	1.056
139	-1.299	-1.705	-1.508	-0.675	-1.017	-1.843	-1.287	-1.339	-1.381	-1.839	-1.514	-1.472
140	-0.743	-0.989	-0.777	-0.643	-0.555	-0.928	-0.707	-0.863	-0.680	-1.030	-0.790	-0.704
141	-0.735	-0.943	-0.648	-0.996	-0.515	-0.739	-0.718	-0.791	-0.614	-0.739	-0.570	-1.093

Slide Num.	Full Sample	Fulltime Workers	Not Students	Not Students	College Degree	College Degree, Or More	Not Native of Kpt	Native of Kpt	Not High Income	High Income	Home Owners	Not Home Owners
142	-0.472	-0.884	-0.512	-0.354	-0.034	-0.837	-0.561	-0.186	-0.402	-0.799	-0.450	-0.861
143	0.440	0.688	0.399	0.564	0.103	0.599	0.369	0.673	0.290	0.683	0.379	0.509
144	1.403	1.312	1.514	1.075	1.535	1.500	1.383	1.466	1.522	1.492	1.611	0.962
145	-0.120	-0.148	-0.243	0.241	-0.331	-0.182	-0.151	-0.018	-0.255	-0.209	-0.256	-0.167
146	1.781	1.766	1.690	2.050	1.875	1.566	1.767	1.826	1.775	1.470	1.674	1.785
147	2.521	2.533	2.647	2.149	2.505	2.744	2.595	2.281	2.622	2.712	2.700	2.346
148	1.488	1.454	1.694	0.876	1.674	1.707	1.590	1.152	1.612	1.909	1.730	1.491
149	-0.928	-1.313	-1.237	-0.008	-1.228	-1.244	-0.860	-1.153	-1.236	-1.242	-1.230	-1.283
150	1.683	1.876	1.696	1.644	1.503	1.827	1.625	1.870	1.710	1.658	1.662	1.887
151	2.002	2.309	2.176	1.483	1.701	2.502	1.981	2.071	2.062	2.477	2.214	1.963
152	-0.340	-0.229	-0.226	-0.679	-0.344	-0.145	-0.283	-0.527	-0.323	0.031	-0.250	-0.093
153	-0.896	-1.202	-0.910	-0.854	-0.233	-1.380	-0.963	-0.679	-0.660	-1.574	-0.924	-0.832
154	1.009	0.755	1.241	0.318	1.762	0.884	0.978	1.112	1.460	0.665	1.326	0.757
155	2.019	1.909	2.123	1.710	2.488	1.873	1.977	2.156	2.268	1.741	2.161	1.907
156	2.651	2.538	2.775	2.280	2.808	2.752	2.636	2.698	2.793	2.726	2.847	2.364
157	1.022	0.923	1.031	0.996	1.455	0.738	1.029	1.000	1.216	0.543	1.056	0.888
158	0.450	0.361	0.588	0.038	1.141	0.207	0.394	0.632	0.726	0.224	0.628	0.358
159	0.866	0.657	0.913	0.725	1.282	0.660	0.862	0.879	0.992	0.707	0.974	0.570
160	0.623	0.479	0.704	0.381	1.312	0.285	0.570	0.796	0.900	0.192	0.727	0.570
161	2.623	2.923	2.740	2.272	2.515	2.894	2.595	2.714	2.625	3.041	2.732	2.783
162	2.753	2.725	2.891	2.340	3.103	2.745	2.736	2.809	2.919	2.817	2.982	2.374
163	3.110	3.137	3.263	2.650	3.229	3.286	3.120	3.080	3.261	3.268	3.333	2.858
164	0.654	0.321	0.696	0.527	1.268	0.305	0.588	0.871	0.894	0.177	0.743	0.430
165	2.454	2.383	2.501	2.315	2.792	2.303	2.416	2.578	2.509	2.480	2.533	2.318
166	1.050	0.997	0.857	1.625	1.128	0.672	1.007	1.190	0.788	1.036	0.829	1.019
167	1.480	1.282	1.581	1.179	1.997	1.300	1.449	1.580	1.664	1.364	1.639	1.245
168	2.266	2.162	2.334	2.063	2.579	2.167	2.215	2.431	2.364	2.258	2.411	1.896
169	2.763	2.876	3.076	1.828	3.031	3.106	2.741	2.835	3.050	3.141	3.146	2.667
170	2.048	2.044	2.114	1.854	2.188	2.063	1.999	2.211	2.118	2.101	2.113	2.114
171	-2.595	-2.989	-2.532	-2.788	-2.000	-2.890	-2.663	-2.375	-2.289	-3.162	-2.584	-2.229
172	-1.259	-1.617	-1.151	-1.582	-0.574	-1.542	-1.318	-1.067	-0.930	-1.727	-1.144	-1.190
173	-0.783	-0.871	-0.623	-1.258	-0.497	-0.709	-0.810	-0.696	-0.519	-0.894	-0.616	-0.667
174	-2.614	-3.006	-2.572	-2.741	-2.153	-2.854	-2.624	-2.583	-2.307	-3.263	-2.578	-2.538
175	-3.714	-3.879	-3.665	-3.858	-3.419	-3.833	-3.744	-3.614	-3.491	-4.122	-3.725	-3.321
176	-3.941	-4.110	-3.959	-3.888	-3.675	-4.153	-3.966	-3.862	-3.797	-4.384	-4.039	-3.495
177	1.900	2.152	2.090	1.332	1.595	2.426	1.896	1.915	1.957	2.434	2.094	2.067
178	-3.326	-3.517	-3.315	-3.358	-3.090	-3.468	-3.312	-3.369	-3.201	-3.614	-3.345	-3.142
179	-3.397	-3.506	-3.494	-3.105	-3.272	-3.643	-3.383	-3.441	-3.378	-3.797	-3.599	-2.897
180	1.165	1.459	1.524	0.096	1.419	1.595	1.155	1.196	1.508	1.566	1.532	1.477
181	-2.353	-2.482	-2.325	-2.438	-1.854	-2.643	-2.370	-2.298	-2.178	-2.711	-2.394	-1.935
182	-0.899	-0.802	-0.632	-1.705	-0.132	-0.969	-0.905	-0.879	-0.448	-1.111	-0.707	-0.198
183	2.317	2.593	2.576	1.534	2.500	2.627	2.296	2.384	2.543	2.662	2.576	2.575
184	-3.000	-3.272	-3.081	-2.757	-2.690	-3.348	-3.019	-2.938	-2.840	-3.716	-3.171	-2.566
185	1.319	1.573	1.447	0.937	1.087	1.692	1.311	1.347	1.305	1.818	1.469	1.324
186	1.937	2.133	2.238	1.042	2.216	2.253	1.934	1.946	2.250	2.208	2.290	1.944
187	2.139	2.358	2.221	1.896	2.237	2.209	2.095	2.283	2.202	2.269	2.190	2.396
188	2.909	2.956	2.859	3.059	3.000	2.765	2.880	3.004	2.844	2.899	2.840	2.972
189	2.430	2.793	2.645	1.787	2.535	2.719	2.401	2.523	2.533	2.939	2.674	2.476

Slide Num.	Full Sample	Fulltime Workers	Not Students	Not Students	Not College Degree	College Degree, Or More	Not Native of Kpt	Native of Kpt	Not High Income	High Income	Home Owners	Not Home Owners
190	2.186	2.408	2.427	1.462	2.373	2.464	2.199	2.143	2.383	2.543	2.438	2.364
191	0.385	-0.127	0.520	-0.017	1.069	0.150	0.321	0.594	0.685	0.086	0.566	0.262
192	2.756	2.914	2.934	2.225	2.694	3.096	2.749	2.777	2.842	3.179	2.979	2.682
193	-0.331	-0.994	-0.254	-0.561	0.503	-0.769	-0.339	-0.305	0.107	-1.204	-0.236	-0.355
194	-0.581	-1.147	-0.629	-0.435	-0.122	-0.972	-0.643	-0.377	-0.419	-1.178	-0.599	-0.802
195	0.903	0.970	1.085	0.356	1.420	0.859	0.900	0.911	1.156	0.898	1.087	1.075
196	3.919	4.036	4.110	3.347	3.958	4.213	3.921	3.915	4.046	4.278	4.163	3.811
197	3.430	3.615	3.642	2.794	3.552	3.703	3.396	3.540	3.613	3.717	3.690	3.368
198	-0.098	-0.146	-0.578	1.329	-0.174	-0.850	-0.270	0.458	-0.460	-0.884	-0.742	0.355
199	3.915	3.918	4.003	3.654	3.790	4.145	3.937	3.844	3.930	4.192	4.063	3.664
200	0.655	0.298	0.587	0.858	1.140	0.216	0.637	0.714	0.774	0.101	0.587	0.589
201	2.910	3.192	3.200	2.046	2.972	3.352	2.898	2.951	3.183	3.242	3.202	3.189
202	-0.817	-0.851	-0.585	-1.517	0.211	-1.118	-0.834	-0.763	-0.313	-1.288	-0.675	-0.066
203	1.978	1.763	1.916	2.163	1.884	1.937	2.036	1.790	1.905	1.944	1.906	1.972
204	-0.707	-0.848	-0.849	-0.278	-0.655	-0.979	-0.763	-0.522	-0.903	-0.707	-0.890	-0.617
205	2.621	2.453	2.678	2.443	3.070	2.415	2.634	2.581	2.790	2.389	2.700	2.557
206	1.976	2.011	2.020	1.838	2.233	1.875	1.900	2.220	2.062	1.909	2.038	1.916
207	1.835	1.747	1.897	1.639	1.923	1.880	1.885	1.673	1.926	1.822	1.990	1.374
208	0.051	0.022	0.130	-0.192	-0.017	0.229	0.027	0.130	0.138	0.107	0.189	-0.208
209	0.132	0.086	0.101	0.228	-0.073	0.218	0.167	0.018	0.143	-0.010	0.083	0.206
210	-0.207	-0.574	-0.094	-0.564	-0.035	-0.133	-0.132	-0.450	-0.083	-0.121	-0.056	-0.308
211	2.544	2.401	2.421	2.930	2.174	2.588	2.621	2.296	2.404	2.465	2.436	2.336
212	3.637	3.669	3.606	3.737	3.194	3.885	3.659	3.568	3.540	3.778	3.602	3.626
213	-2.255	-2.297	-2.141	-2.615	-1.941	-2.276	-2.269	-2.211	-2.059	-2.354	-2.103	-2.358
214	1.419	1.526	1.529	1.075	1.389	1.622	1.425	1.398	1.558	1.452	1.518	1.589
215	1.978	1.970	2.138	1.471	2.257	2.059	1.968	2.009	2.240	1.874	2.158	2.028
216	2.847	2.893	3.014	2.322	2.923	3.075	2.890	2.709	3.031	2.970	3.035	2.897
217	2.567	2.989	2.915	1.489	2.433	3.238	2.577	2.534	2.914	2.919	2.947	2.736
218	-1.704	-1.739	-1.659	-1.846	-0.948	-2.136	-1.731	-1.617	-1.450	-2.202	-1.710	-1.368
219	-0.159	-0.373	-0.216	0.018	0.229	-0.514	-0.166	-0.139	-0.104	-0.505	-0.256	0.009
220	2.213	2.069	2.205	2.237	2.340	2.115	2.214	2.207	2.302	1.955	2.185	2.318
221	0.761	0.871	0.758	0.772	1.118	0.515	0.724	0.883	0.932	0.303	0.725	0.944
222	-0.059	-0.584	-0.267	0.592	0.261	-0.625	-0.127	0.162	-0.173	-0.510	-0.318	0.019

Notes: The samples for each column are defined as follows.

Column 1: The slide number

Column 2: The full sample of 1015 respondents

Column 3: Only respondents who claimed “I work full time – 40 hours per week – in Kingsport.”

Column 4: Only respondents who did not claim that their status was “student”

Column 5: Only respondents who claimed that their status was “student”

Column 6: Only respondents who did not claim that their educational level was “Graduate or professional school” or “four year college degree”. Students are excluded.

Column 7: Only respondents who claimed that their educational level was either “Graduate or professional school” or “four year college degree”. Students are excluded.

Column 8: Only those who did not claim (in “yearsinkpt” variable) to be “Native of greater Kingsport area.”

Column 9: Only those who claimed to “Native of greater Kingsport area.”

Column 10: Only those who did not claim to have household income in the \$75,000 – 99,999 range, the \$100,000 – 149,999 range, or the \$150,000 or more range. Students are excluded.

Column 11: Only those who did claim to have to have household income in the \$75,000 – 99,999 range, the \$100,000 – 149,999 range, or the \$150,000 or more range. Students are excluded.

Column 12: Only those who claim to own their home. Students are excluded.

Column 13: Only those who claim not to own their home.

The short Stata “do file” that generates these groups follows. Once a group is defined, the “collapse” command can be used to form average slide ratings for that group. For example, “collapse sa1-sr12, by(highincome)” would form average slide ratings for the “not high income” and “high income” groups.

```
/*Define Demographic Groups for Kingsport Study*/
```

```
gen fulltime=employment=="I work full time - 40 hours per week- in Kingsport."
```

```
gen donotwork=employment=="I do not work."
```

```
gen student=status=="student"
```

```
gen college_plus=(educationallevel=="Graduate or professional school"|educationallevel=="Four year college degree")
```

```
replace college_plus=. if student==1
```

```
gen native=yearsinkpt=="Native of greater Kingsport area"
```

```
gen highincome=(income=="$75000 to $99999"| income=="$100000 to $149999" | income=="$150000 or above")
```

```
replace highincome=. if student==1
```

```
gen HOMEOWN=ownhome=="Yes"
```

```
replace HOMEOWN=. if student==1
```

## Appendix: Lifestyle Questions by Demographic Slices

The questions asked whether the respondent or members of the respondent's family pursued the following activities.

- Shopping in Kingsport
- Dining in Kingsport
- Entertainment in Kingsport
- Use public areas in Kingsport
- Walk or jog in Kingsport
- Bicycle in Kingsport

For each question, the following demographic slices are reported (in this order):

1. Full sample
2. Full time workers
3. Students
4. Not students
5. College or higher degree
6. Not college or higher degree
7. Native of Kingsport
8. Not Native of Kingsport
9. High income household
10. Not high income household
11. Home owners
12. Not home owners

-----  
 . /\*Lifestyle Questions by Demographic Slice\*/

Responses to "I and/or my family shop in Kingsport."

. tab shop

Shop in Kpt	Freq.	Percent	Cum.
BLANK	19	1.87	1.87
Frequently	263	25.91	27.78
Nearly all the time	542	53.40	81.18
Never	12	1.18	82.36
Seldom	44	4.33	86.70
Sometimes	135	13.30	100.00
Total	1015	100.00	

. tab shop if fulltime==1

Shop in Kpt	Freq.	Percent	Cum.
BLANK	6	1.55	1.55
Frequently	107	27.72	29.27
Nearly all the time	218	56.48	85.75
Never	1	0.26	86.01
Seldom	12	3.11	89.12
Sometimes	42	10.88	100.00
Total	386	100.00	

. tab shop if student==1

Shop in Kpt	Freq.	Percent	Cum.
BLANK	2	0.78	0.78
Frequently	76	29.69	30.47
Nearly all the time	105	41.02	71.48
Never	8	3.13	74.61
Seldom	13	5.08	79.69
Sometimes	52	20.31	100.00
Total	256	100.00	

. tab shop if student==0

Shop in Kpt	Freq.	Percent	Cum.
BLANK	17	2.24	2.24
Frequently	187	24.64	26.88
Nearly all the time	437	57.58	84.45
Never	4	0.53	84.98
Seldom	31	4.08	89.06
Sometimes	83	10.94	100.00
Total	759	100.00	

. tab shop if college\_plus==1

Shop in Kpt	Freq.	Percent	Cum.
BLANK	9	2.00	2.00
Frequently	131	29.05	31.04
Nearly all the time	238	52.77	83.81
Never	3	0.67	84.48
Seldom	22	4.88	89.36
Sometimes	48	10.64	100.00
Total	451	100.00	

. tab shop if college\_plus==0

Shop in Kpt	Freq.	Percent	Cum.
BLANK	8	2.60	2.60
Frequently	56	18.18	20.78
Nearly all the time	199	64.61	85.39
Never	1	0.32	85.71
Seldom	9	2.92	88.64
Sometimes	35	11.36	100.00
Total	308	100.00	

. tab shop if native==1

Shop in Kpt	Freq.	Percent	Cum.
BLANK	2	0.86	0.86
Frequently	56	24.14	25.00
Nearly all the time	144	62.07	87.07
Seldom	3	1.29	88.36
Sometimes	27	11.64	100.00
Total	232	100.00	

. tab shop if native==0

Shop in Kpt	Freq.	Percent	Cum.
BLANK	17	2.17	2.17
Frequently	207	26.44	28.61
Nearly all the time	398	50.83	79.44
Never	12	1.53	80.97
Seldom	41	5.24	86.21
Sometimes	108	13.79	100.00
Total	783	100.00	

. tab shop if highincome==1

Shop in Kpt	Freq.	Percent	Cum.
Frequently	66	31.13	31.13
Nearly all the time	114	53.77	84.91
Never	2	0.94	85.85
Seldom	9	4.25	90.09
Sometimes	21	9.91	100.00
Total	212	100.00	

. tab shop if highincome==0

Shop in Kpt	Freq.	Percent	Cum.
BLANK	17	3.11	3.11
Frequently	121	22.12	25.23
Nearly all the time	323	59.05	84.28
Never	2	0.37	84.64
Seldom	22	4.02	88.67
Sometimes	62	11.33	100.00
Total	547	100.00	

. tab shop if HOMEOWN==1

Shop in Kpt	Freq.	Percent	Cum.
BLANK	11	1.71	1.71
Frequently	169	26.24	27.95
Nearly all the time	367	56.99	84.94
Never	3	0.47	85.40
Seldom	27	4.19	89.60
Sometimes	67	10.40	100.00
Total	644	100.00	

. tab shop if HOMEOWN==0

Shop in Kpt	Freq.	Percent	Cum.
BLANK	6	5.22	5.22
Frequently	18	15.65	20.87
Nearly all the time	70	60.87	81.74
Never	1	0.87	82.61
Seldom	4	3.48	86.09
Sometimes	16	13.91	100.00
Total	115	100.00	

Responses to "I and/or my family dine at restaurants in Kingsport"

. tab dine

Dine in Kpt	Freq.	Percent	Cum.
BLANK	19	1.87	1.87
Frequently	384	37.83	39.70
Nearly all the time	311	30.64	70.34
Never	11	1.08	71.43
Seldom	51	5.02	76.45
Sometimes	239	23.55	100.00
Total	1015	100.00	

. tab dine if fulltime==1

Dine in Kpt	Freq.	Percent	Cum.
BLANK	5	1.30	1.30
Frequently	152	39.38	40.67
Nearly all the time	130	33.68	74.35
Never	1	0.26	74.61
Seldom	16	4.15	78.76
Sometimes	82	21.24	100.00
Total	386	100.00	

. tab dine if student==1

Dine in Kpt	Freq.	Percent	Cum.
BLANK	3	1.17	1.17
Frequently	83	32.42	33.59
Nearly all the time	69	26.95	60.55
Never	6	2.34	62.89
Seldom	24	9.38	72.27
Sometimes	71	27.73	100.00
Total	256	100.00	

. tab dine if student==0

Dine in Kpt	Freq.	Percent	Cum.
BLANK	16	2.11	2.11
Frequently	301	39.66	41.77
Nearly all the time	242	31.88	73.65
Never	5	0.66	74.31
Seldom	27	3.56	77.87
Sometimes	168	22.13	100.00
Total	759	100.00	

. tab dine if college\_plus==1

Dine in Kpt	Freq.	Percent	Cum.
BLANK	9	2.00	2.00
Frequently	193	42.79	44.79
Nearly all the time	131	29.05	73.84
Never	4	0.89	74.72
Seldom	21	4.66	79.38
Sometimes	93	20.62	100.00
Total	451	100.00	

. tab dine if college\_plus==0

Dine in Kpt	Freq.	Percent	Cum.
BLANK	7	2.27	2.27
Frequently	108	35.06	37.34
Nearly all the time	111	36.04	73.38
Never	1	0.32	73.70
Seldom	6	1.95	75.65
Sometimes	75	24.35	100.00
Total	308	100.00	

. tab dine if native==1

Dine in Kpt	Freq.	Percent	Cum.
BLANK	1	0.43	0.43
Frequently	94	40.52	40.95
Nearly all the time	91	39.22	80.17
Seldom	6	2.59	82.76
Sometimes	40	17.24	100.00
Total	232	100.00	

. tab dine if native==0

Dine in Kpt	Freq.	Percent	Cum.
BLANK	18	2.30	2.30
Frequently	290	37.04	39.34
Nearly all the time	220	28.10	67.43
Never	11	1.40	68.84
Seldom	45	5.75	74.58
Sometimes	199	25.42	100.00
Total	783	100.00	

. tab dine if highincome==1

Dine in Kpt	Freq.	Percent	Cum.
Frequently	102	48.11	48.11
Nearly all the time	63	29.72	77.83
Never	3	1.42	79.25
Seldom	9	4.25	83.49
Sometimes	35	16.51	100.00
Total	212	100.00	

. tab dine if highincome==0

Dine in Kpt	Freq.	Percent	Cum.
BLANK	16	2.93	2.93
Frequently	199	36.38	39.31
Nearly all the time	179	32.72	72.03
Never	2	0.37	72.39
Seldom	18	3.29	75.69
Sometimes	133	24.31	100.00
Total	547	100.00	

. tab dine if HOMEOWN==1

Dine in Kpt	Freq.	Percent	Cum.
BLANK	11	1.71	1.71
Frequently	264	40.99	42.70
Nearly all the time	202	31.37	74.07
Never	4	0.62	74.69
Seldom	20	3.11	77.80
Sometimes	143	22.20	100.00
Total	644	100.00	

. tab dine if HOMEOWN==0

Dine in Kpt	Freq.	Percent	Cum.
BLANK	5	4.35	4.35
Frequently	37	32.17	36.52
Nearly all the time	40	34.78	71.30
Never	1	0.87	72.17
Seldom	7	6.09	78.26
Sometimes	25	21.74	100.00
Total	115	100.00	

Responses to "I and/or my family attend entertainment and/or recreational activities in Kingsport."

. tab activities

Activities in Kpt	Freq.	Percent	Cum.
BLANK	20	1.97	1.97
Frequently	293	28.87	30.84
Nearly all the time	169	16.65	47.49
Never	34	3.35	50.84
Seldom	146	14.38	65.22
Sometimes	353	34.78	100.00
Total	1015	100.00	

. tab activities if fulltime==1

Activities in Kpt	Freq.	Percent	Cum.
BLANK	5	1.30	1.30
Frequently	128	33.16	34.46
Nearly all the time	72	18.65	53.11
Never	6	1.55	54.66
Seldom	38	9.84	64.51
Sometimes	137	35.49	100.00
Total	386	100.00	

. tab activities if student==1

Activities in Kpt	Freq.	Percent	Cum.
BLANK	3	1.17	1.17
Frequently	50	19.53	20.70
Nearly all the time	26	10.16	30.86
Never	23	8.98	39.84
Seldom	61	23.83	63.67
Sometimes	93	36.33	100.00
Total	256	100.00	

. tab activities if student==0

Activities in Kpt	Freq.	Percent	Cum.
BLANK	17	2.24	2.24
Frequently	243	32.02	34.26
Nearly all the time	143	18.84	53.10
Never	11	1.45	54.55
Seldom	85	11.20	65.74
Sometimes	260	34.26	100.00
Total	759	100.00	

. tab activities if college\_plus==1

Activities in Kpt	Freq.	Percent	Cum.
BLANK	8	1.77	1.77
Frequently	161	35.70	37.47
Nearly all the time	84	18.63	56.10
Never	6	1.33	57.43
Seldom	43	9.53	66.96
Sometimes	149	33.04	100.00
Total	451	100.00	

. tab activities if college\_plus==0

Activities in Kpt	Freq.	Percent	Cum.
BLANK	9	2.92	2.92
Frequently	82	26.62	29.55
Nearly all the time	59	19.16	48.70
Never	5	1.62	50.32
Seldom	42	13.64	63.96
Sometimes	111	36.04	100.00
Total	308	100.00	

. tab activities if native==1

Activities in Kpt	Freq.	Percent	Cum.
BLANK	1	0.43	0.43
Frequently	90	38.79	39.22
Nearly all the time	39	16.81	56.03
Never	7	3.02	59.05
Seldom	30	12.93	71.98
Sometimes	65	28.02	100.00
Total	232	100.00	

. tab activities if native==0

Activities in Kpt	Freq.	Percent	Cum.
BLANK	19	2.43	2.43
Frequently	203	25.93	28.35
Nearly all the time	130	16.60	44.96
Never	27	3.45	48.40
Seldom	116	14.81	63.22
Sometimes	288	36.78	100.00
Total	783	100.00	

. tab activities if highincome==1

Activities in Kpt	Freq.	Percent	Cum.
Frequently	87	41.04	41.04
Nearly all the time	33	15.57	56.60
Never	2	0.94	57.55
Seldom	20	9.43	66.98
Sometimes	70	33.02	100.00
Total	212	100.00	

. tab activities if highincome==0

Activities in Kpt	Freq.	Percent	Cum.
BLANK	17	3.11	3.11
Frequently	156	28.52	31.63
Nearly all the time	110	20.11	51.74
Never	9	1.65	53.38
Seldom	65	11.88	65.27
Sometimes	190	34.73	100.00
Total	547	100.00	

. tab activities if HOMEOWN==1

Activities in Kpt	Freq.	Percent	Cum.
BLANK	12	1.86	1.86
Frequently	216	33.54	35.40
Nearly all the time	115	17.86	53.26
Never	10	1.55	54.81
Seldom	68	10.56	65.37
Sometimes	223	34.63	100.00
Total	644	100.00	

. tab activities if HOMEOWN==0

Activities in Kpt	Freq.	Percent	Cum.
BLANK	5	4.35	4.35
Frequently	27	23.48	27.83
Nearly all the time	28	24.35	52.17
Never	1	0.87	53.04
Seldom	17	14.78	67.83
Sometimes	37	32.17	100.00
Total	115	100.00	

Responses to "I and/or my family use public areas, such as parks, in Kingsport"

. tab public

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	17	1.67	1.67
Frequently	251	24.73	26.40
Nearly all the time	95	9.36	35.76
Never	67	6.60	42.36
Seldom	213	20.99	63.35
Sometimes	372	36.65	100.00
Total	1015	100.00	

. tab public if fulltime==1

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	3	0.78	0.78
Frequently	115	29.79	30.57
Nearly all the time	44	11.40	41.97
Never	10	2.59	44.56
Seldom	60	15.54	60.10
Sometimes	154	39.90	100.00
Total	386	100.00	

. tab public if student==1

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	5	1.95	1.95
Frequently	39	15.23	17.19
Nearly all the time	12	4.69	21.88
Never	37	14.45	36.33
Seldom	84	32.81	69.14
Sometimes	79	30.86	100.00
Total	256	100.00	

. tab public if student==0

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	12	1.58	1.58
Frequently	212	27.93	29.51
Nearly all the time	83	10.94	40.45
Never	30	3.95	44.40
Seldom	129	17.00	61.40
Sometimes	293	38.60	100.00
Total	759	100.00	

. tab public if college\_plus==1

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	3	0.67	0.67
Frequently	139	30.82	31.49
Nearly all the time	48	10.64	42.13
Never	17	3.77	45.90
Seldom	72	15.96	61.86
Sometimes	172	38.14	100.00
Total	451	100.00	

```
. tab public if college_plus==0
```

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	9	2.92	2.92
Frequently	73	23.70	26.62
Nearly all the time	35	11.36	37.99
Never	13	4.22	42.21
Seldom	57	18.51	60.71
Sometimes	121	39.29	100.00
Total	308	100.00	

```
. tab public if native==1
```

Public areas in Kpt	Freq.	Percent	Cum.
Frequently	72	31.03	31.03
Nearly all the time	26	11.21	42.24
Never	7	3.02	45.26
Seldom	49	21.12	66.38
Sometimes	78	33.62	100.00
Total	232	100.00	

```
. tab public if native==0
```

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	17	2.17	2.17
Frequently	179	22.86	25.03
Nearly all the time	69	8.81	33.84
Never	60	7.66	41.51
Seldom	164	20.95	62.45
Sometimes	294	37.55	100.00
Total	783	100.00	

```
. tab public if highincome==1
```

Public areas in Kpt	Freq.	Percent	Cum.
Frequently	61	28.77	28.77
Nearly all the time	18	8.49	37.26
Never	7	3.30	40.57
Seldom	37	17.45	58.02
Sometimes	89	41.98	100.00
Total	212	100.00	

. tab public if highincome==0

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	12	2.19	2.19
Frequently	151	27.61	29.80
Nearly all the time	65	11.88	41.68
Never	23	4.20	45.89
Seldom	92	16.82	62.71
Sometimes	204	37.29	100.00
Total	547	100.00	

. tab public if HOMEOWN==1

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	8	1.24	1.24
Frequently	174	27.02	28.26
Nearly all the time	67	10.40	38.66
Never	24	3.73	42.39
Seldom	112	17.39	59.78
Sometimes	259	40.22	100.00
Total	644	100.00	

. tab public if HOMEOWN==0

Public areas in Kpt	Freq.	Percent	Cum.
BLANK	4	3.48	3.48
Frequently	38	33.04	36.52
Nearly all the time	16	13.91	50.43
Never	6	5.22	55.65
Seldom	17	14.78	70.43
Sometimes	34	29.57	100.00
Total	115	100.00	

.  
Responses to "I and/or my family walk or jog in Kingsport"

. tab walkjog

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	16	1.58	1.58
Frequently	175	17.24	18.82
Nearly all the time	146	14.38	33.20
Never	200	19.70	52.91
Seldom	204	20.10	73.00
Sometimes	274	27.00	100.00
Total	1015	100.00	

. tab walkjog if fulltime==1

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	2	0.52	0.52
Frequently	79	20.47	20.98
Nearly all the time	52	13.47	34.46
Never	62	16.06	50.52
Seldom	70	18.13	68.65
Sometimes	121	31.35	100.00
Total	386	100.00	

. tab walkjog if student==1

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	5	1.95	1.95
Frequently	33	12.89	14.84
Nearly all the time	22	8.59	23.44
Never	65	25.39	48.83
Seldom	66	25.78	74.61
Sometimes	65	25.39	100.00
Total	256	100.00	

. tab walkjog if student==0

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	11	1.45	1.45
Frequently	142	18.71	20.16
Nearly all the time	124	16.34	36.50
Never	135	17.79	54.28
Seldom	138	18.18	72.46
Sometimes	209	27.54	100.00
Total	759	100.00	

. tab walkjog if college\_plus==1

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	2	0.44	0.44
Frequently	102	22.62	23.06
Nearly all the time	89	19.73	42.79
Never	58	12.86	55.65
Seldom	71	15.74	71.40
Sometimes	129	28.60	100.00
Total	451	100.00	

. tab walkjog if college\_plus==0

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	9	2.92	2.92
Frequently	40	12.99	15.91
Nearly all the time	35	11.36	27.27
Never	77	25.00	52.27
Seldom	67	21.75	74.03
Sometimes	80	25.97	100.00
Total	308	100.00	

. tab walkjog if native==1

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	1	0.43	0.43
Frequently	48	20.69	21.12
Nearly all the time	40	17.24	38.36
Never	39	16.81	55.17
Seldom	41	17.67	72.84
Sometimes	63	27.16	100.00
Total	232	100.00	

. tab walkjog if native==0

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	15	1.92	1.92
Frequently	127	16.22	18.14
Nearly all the time	106	13.54	31.67
Never	161	20.56	52.23
Seldom	163	20.82	73.05
Sometimes	211	26.95	100.00
Total	783	100.00	

. tab walkjog if highincome==1

Walk / jog in Kpt	Freq.	Percent	Cum.
Frequently	40	18.87	18.87
Nearly all the time	42	19.81	38.68
Never	28	13.21	51.89
Seldom	35	16.51	68.40
Sometimes	67	31.60	100.00
Total	212	100.00	

. tab walkjog if highincome==0

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	11	2.01	2.01
Frequently	102	18.65	20.66
Nearly all the time	82	14.99	35.65
Never	107	19.56	55.21
Seldom	103	18.83	74.04
Sometimes	142	25.96	100.00
Total	547	100.00	

. tab walkjog if HOMEOWN==1

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	8	1.24	1.24
Frequently	115	17.86	19.10
Nearly all the time	107	16.61	35.71
Never	114	17.70	53.42
Seldom	114	17.70	71.12
Sometimes	186	28.88	100.00
Total	644	100.00	

. tab walkjog if HOMEOWN==0

Walk / jog in Kpt	Freq.	Percent	Cum.
BLANK	3	2.61	2.61
Frequently	27	23.48	26.09
Nearly all the time	17	14.78	40.87
Never	21	18.26	59.13
Seldom	24	20.87	80.00
Sometimes	23	20.00	100.00
Total	115	100.00	

Responses to "I and/or my family bicycle in Kingsport"

. tab bicycle

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	16	1.58	1.58
Frequently	70	6.90	8.47
Nearly all the time	48	4.73	13.20
Never	547	53.89	67.09
Seldom	190	18.72	85.81
Sometimes	144	14.19	100.00
Total	1015	100.00	

. tab bicycle if fulltime==1

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	3	0.78	0.78
Frequently	31	8.03	8.81
Nearly all the time	20	5.18	13.99
Never	191	49.48	63.47
Seldom	81	20.98	84.46
Sometimes	60	15.54	100.00
Total	386	100.00	

. tab bicycle if student==1

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	4	1.56	1.56
Frequently	24	9.38	10.94
Nearly all the time	18	7.03	17.97
Never	96	37.50	55.47
Seldom	67	26.17	81.64
Sometimes	47	18.36	100.00
Total	256	100.00	

. tab bicycle if student==0

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	12	1.58	1.58
Frequently	46	6.06	7.64
Nearly all the time	30	3.95	11.59
Never	451	59.42	71.01
Seldom	123	16.21	87.22
Sometimes	97	12.78	100.00
Total	759	100.00	

. tab bicycle if college\_plus==1

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	3	0.67	0.67
Frequently	33	7.32	7.98
Nearly all the time	20	4.43	12.42
Never	259	57.43	69.84
Seldom	71	15.74	85.59
Sometimes	65	14.41	100.00
Total	451	100.00	

. tab bicycle if college\_plus==0

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	9	2.92	2.92
Frequently	13	4.22	7.14
Nearly all the time	10	3.25	10.39
Never	192	62.34	72.73
Seldom	52	16.88	89.61
Sometimes	32	10.39	100.00
Total	308	100.00	

. tab bicycle if native==1

Bicycle in Kpt	Freq.	Percent	Cum.
Frequently	21	9.05	9.05
Nearly all the time	8	3.45	12.50
Never	119	51.29	63.79
Seldom	49	21.12	84.91
Sometimes	35	15.09	100.00
Total	232	100.00	

. tab bicycle if native==0

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	16	2.04	2.04
Frequently	49	6.26	8.30
Nearly all the time	40	5.11	13.41
Never	428	54.66	68.07
Seldom	141	18.01	86.08
Sometimes	109	13.92	100.00
Total	783	100.00	

. tab bicycle if highincome==1

Bicycle in Kpt	Freq.	Percent	Cum.
Frequently	18	8.49	8.49
Nearly all the time	8	3.77	12.26
Never	113	53.30	65.57
Seldom	37	17.45	83.02
Sometimes	36	16.98	100.00
Total	212	100.00	

. tab bicycle if highincome==0

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	12	2.19	2.19
Frequently	28	5.12	7.31
Nearly all the time	22	4.02	11.33
Never	338	61.79	73.13
Seldom	86	15.72	88.85
Sometimes	61	11.15	100.00
Total	547	100.00	

. tab bicycle if HOMEOWN==1

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	9	1.40	1.40
Frequently	40	6.21	7.61
Nearly all the time	20	3.11	10.71
Never	387	60.09	70.81
Seldom	100	15.53	86.34
Sometimes	88	13.66	100.00
Total	644	100.00	

. tab bicycle if HOMEOWN==0

Bicycle in Kpt	Freq.	Percent	Cum.
BLANK	3	2.61	2.61
Frequently	6	5.22	7.83
Nearly all the time	10	8.70	16.52
Never	64	55.65	72.17
Seldom	23	20.00	92.17
Sometimes	9	7.83	100.00
Total	115	100.00	