## What is Recreation?

Community Opinions in Highland Heights, Kentucky


CENTER FOR APPLIEd ANTHROPOLOGY, NORTHERN KENTUCKy UNIVERSITY

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## Introduction

The Center for Applied Anthropology (CfAA) at Northern Kentucky University (NKU), in collaboration with the Parks and Recreation Board of Highland Heights, Kentucky, completed an investigation into the cultural models of recreation in Highland Heights. The purpose of this community-based research project was to document how residents of Highland Heights and faculty, students and staff at NKU, thought about and had preferences for different types of recreation. In particular, we asked informants about their knowledge of the types of recreation and in what types of recreation they would most likely participate. During this research (fall 2011 to summer 2012), 75 students in three courses and one independent study (complete list of students is included after the Findings), conducted ethnographic interviews with 253 residents of Highland Heights and faculty, students and staff at NKU as well as completing preliminary analyses of the collected data. During interviews, participants were asked to list types of recreation, sort types of recreation into categories, confirm categories and types of recreation, and select types of recreation in which they would most likely participate. We found that residents of Highland Heights and faculty, students and staff at NKU have a wide knowledge of the types of recreation and varied interests, but there are several types of recreation that are more commonly reported as being of interest.

## Methods

In preparation for this research project, students in each course were trained in ethnographic interview methods ${ }^{1}$ and research ethics. This project was in accord with the Institutional Review Board requirements at NKU to ensure that the individuals with whom they spoke were protected from any ramifications of their participation in this research (see Appendix A).

During phase one (fall 2011), 42 students of Anthropology 275 (Language and Culture) interviewed approximately 200 students, staff, and faculty at NKU, collecting data on their folk knowledge of recreation. Informants were asked to name the different types of recreation that they knew and then they were asked to sort these types into categories, using a method called free pile sorting ${ }^{2}$. There were several types of recreation that were excluded from this analysis because they were either illegal (e.g., recreational drug use) or not something that the city of Highland Heights would organize (e.g., inappropriate public behavior). The categories and types became the instrument (see Appendices B and C) used during interviews for the next phase of research.

In the second phase of this research (spring 2012), the 17 students in Anthropology 325 (Applied Anthropology) interviewed households in Highland Heights and dormitory residents at NKU while 15 students in Anthropology 100H (Honors Cultural Anthropology) interviewed students, staff and faculty on NKU's campus. In total, over 253 interviews were completed during this phase of research. Informants were first asked to verify that the categories and types of recreation made sense to them. Informants were then asked to identify the five most likely types of recreation in which they would participate if the City of Highland Heights organized it. The interviewer also recorded the location of the interview

[^0]${ }^{2}$ Bernard, H. Russell. 2011. Research Methods in Anthropology. Rowman Altimira. Pages 233-5.
(Highland Heights community or NKU campus), sex (female and male), and approximate age of the informant.

The third phase of this research (summer and fall 2012), a student, Mikey Adkins, entered the data from the interviews and completed a preliminary analysis of the data. Dr. Douglas Hume then completed the analysis, presenting the preliminary findings to the Parks and Recreation Board of Highland Heights in December 2012. This final report was completed and delivered to the Parks and Recreation Board April 2013.

## Findings

The data collected during this project are presented in table form in:

1. Appendix D: Category Results;
2. Appendix E: Physical Activities;
3. Appendix F: Nature/Outdoor Activities;
4. Appendix G: Arts, Crafts, and Hobbies;
5. Appendix H: Dramatic and Cultural Activities; and
6. Appendix I: Games.

In Appendix D: Category Results, the ten most common overall responses are shown in decreasing response frequency: 1) outdoor sports, 2) fitness, 3 ) water activities, 4) dance, 5) hiking/camping, 6) indoor sports, 7) fine arts, 8) cooking, 9) active games, and 10) nature areas/parks. In increasing response frequency, the ten least common overall responses are: 1) cars, 2) holidays, 3) woodcrafts, 4) historical, 5) collecting, 6) models, 7) nature collecting, 8) literature, 9) writing, and 10) fabric crafts. One interesting dimension of these results is that group activities (i.e., outdoor sports and camping) rank much higher than individual activities (i.e., collecting and writing). In general, the rankings are similar for residents of Highland Heights and informants at NKU. While most responses do not vary by sex, more men are interested in hunting/shooting than women, while women are more interested in nature areas/parks, cooking, fine arts, and dance than men. There does not appear to be a clear difference among different age groups in their answers, but this may be due to the small sample size.

In Appendix E: Physical Activities, the 12 responses with over 25 responses, in decreasing order are: 1) swimming, 2) zumba, 3) dodge ball, 4) bicycling, 5/6) volleyball/basketball, 7) running, 8/9) soccer/walking, 10-12) football/baseball/5k run. While there are differences between residents of Highland Heights and informants at NKU, there is no clear pattern that would explain the variation in responses. There are, however, very stark differences between the responses for females, with much higher responses for zumba, and men, with much higher responses for organized sports, such as baseball and football.

In Appendix F: Nature/Outdoor Activities, the five responses with over 25 responses, in decreasing order are: 1) hiking, 2) camping, 3) sky diving, 4) canoeing, and 5) nature walks. Here, informants at NKU favor the more physically intense activities. There is little variation due to sex.

In Appendix G: Arts, Crafts, and Hobbies, the three responses with over 25 responses, in decreasing order are: 1) photography, 2) baking, and 3) cake decorating. Photography, baking, and cake decorating were more highly favored by females at NKU over both men and residents of Highland Heights.

In Appendix H: Dramatic and Cultural Activities, the three responses with over 25 responses, in decreasing order are: 1) natural history museums, 2) art museums, and 3) theatre performances. While there are small differences between residents of Highland Heights and informants at NKU as well as between males and females, there is no clear pattern that would explain the variation in responses

Finally, in Appendix I: Games, the two responses with over 25 responses, in decreasing order are: 1) corn hole and 2) laser tag. Corn hole was clearly favored by both residents of Highland Heights and informants at NKU as well as both males and females. Laser was a more common response of NKU informants, both male and female.

Overall the top ten responses, in decreasing order are: 1) swimming, 2) zumba, 3) hiking, 4) photography, 5) camping, 6) sky diving, 7) dodge ball, 8) corn hole, 9) baking, and 10) bicycling. Among Highland Heights residents, the responses are similar, with the addition of walking as the fifth most common choice in the top ten overall. Among the NKU community, skydiving is the second, canoeing as the seventh, and cake decorating at the ninth most common choice in the top ten overall.

Among women, the top ten overall responses, in decreasing order are: 1) zumba, 2) swimming, 3) photography, 4) baking, 5) cake decorating, 6) canoeing, 7) hiking, 8) volleyball, 9) camping, and 10) walking. Among men, the top ten overall responses, in decreasing order are: 1) swimming, 2) skydiving, 3) hiking, 4) dodge ball, 5) camping, 6) natural history museum visiting, 7) football, 8) corn hole, 9) bicycling, and 10) soccer.

Most of the respondents fall between the ages of 18 to 29, in which the responses above are representative. However, types of recreation are more commonly cited as being of interest with older informants than younger, such as: dog park, art museum visiting, running for the 30-39 age group; trail/mountain biking, dog part, nature walks, jazz, road biking, dog walking, and knitting for the 40-49 age group; walking, sewing, camping, nature walks, knitting, natural history museum visiting, painting, sledding and crosswords for the 50-59 and 60-69 age groups. We only had four informants over the age of 70 years old.

## Recommendations and Conclusion

Our research has found that there are several types of recreation that both the residents of Highland Heights and NKU community members are interested in participating. The difficulties now include the following: providing recreation opportunities that are within the fiscal capabilities of the City of Highland Heights, discovering what times the community is available for recreation activities, and finding which activities children and teenagers would be interested in participating.

Among the types of recreation of highest appeal there are those that require facilities (swimming, zumba, dodge ball, corn hole, and baking) and others that require coordination (hiking, photography, camping, sky diving, and bicycling). The City of Highland Heights has limited facilities, but partnering with NKU may allow the city to offer recreational activities using facilities on NKU's campus.

There are two major shortcoming of this research; we did not ask at what times the community would be willing to participate in the various types of recreation nor did we ask teenagers and children which types of activities they would like to participate. Teenagers and children have both similar and different recreational interests than adults (e.g.,
skateboarding and playgrounds). The Center for Applied Anthropology at NKU would be willing to work with the Parks and Recreation Board of Highland Heights to collect both sets of data in the near future, as both types of data are critical in the planning of recreation within the city.

It is hoped that the results of this research will aid the Parks and Recreation Board of Highland Heights, Kentucky, in deciding which recreation activities to plan and host in the future to maximize community involvement with both the residents of Highland Heights and individuals at NKU.

# Appendix A: Institutional Review Board Documentation 

# INSTITUTIONAL REVIEW BOARD <br> Notice of Approval <br> Expedited Review 


northirn kintucky universtiv
RESEARCH
FOUNDATION

DATE: November 2, 2011
TO: Douglas Hume, Sociology, Anthropology \& Philosophy
FROM: $\quad$ Philip J. Moberg, NKU IRB Chair
RE: $\quad$ IRB Protocol Titled: What is Recreation?
IRB Protocol: \# 12-049
APPROVED: October 13,2011 EXPIRES: October 12, 2012
The NKU Institutional Review Board (IRB) has reviewed and approved this research protocol for the period indicated.

Federal Requirements for Principal Investigators
Federal Regulations (45.CFR.46.) require that Principal Investigators (PIs):
Renew annually: Pls must reapply for IRB approval each year until the study is inactive. To renew, submit a request in writing to the IRB Administrator prior to the expiration date. If no changes have been made to the research project, simply complete the first two-pages of the IRB Application with signatures, mark the box labeled "Continuation", attach a copy of the consent form and submit to the IRB Administrator in the 724 Administrative Center. You will receive a pending expiration notice from the IRB Administrator approximately 60 days prior that date. IRB forms and information can be found at http://rgc.nku.edu/irb/IRB.php

Report immediately: Pls must report any proposed changes in design, procedures, consent process or forms, recruiting announcements, risk to participants, or participant sample to the IRB for approval. Changes may be implemented only after IRB approval has been received, except to prevent immediate hazards to the participant. Pls also are required to report unanticipated problems to the IRB immediately.

Advise promptly: Pls must notify the IRB when the study is complete (data collection finished). You will receive a closure report that we request you complete and return.

Retain data / consent: Pl's must retain all data and signed consent forms for three years after the end of the study. Data that includes HIPAA protected personal health identifiers must be retained for six years after the end of the study. (Subpart A: 46.115)

Submit reports: PIs must provide a copy of any audit, inspection report, or finding issued to them by any sponsor, funding agency, regulatory agency, cooperative research group, or contract research organization.
http://www.hhs.qov/ohrp/humansubjects/quidance/45cfr46.htm

Federal Wide Assurance \#FWA00009011
Attachment: Documentation of Review and Approval Signatures

Northern Kentucky University
Institutional Review Board (IRB) for the Protection of Human Subjects Office of Research, Grants \& Contracts Attn: IRB Administrator, AC 616, Nunn Drive, Highland Helghts, KY 41099
859-572-5168 (Email: irb@nku.edu)


APPLICATION FOR IRB REVIEW
Please type information directly into this form a your computer, Print your application, attach any documents and forward to the above address. NKU IRB requires original signatures on page $\mathbf{2}$. The remaining information may be emailed if preferred. Handwritten packets will be returned. Please do not staple, fold or fax. NOTE: Attach your CITI training completion certificate; review will not begin untll this is received. CITI training scores must be $80 \%$ or above on each individual module -for more information see NKU CITI Webpage.


NOTE: If additional persons (e.g., faculty, staff, students) are involved in recruiting participants, conducting this research, interacting with participants, collecting data, or working with data that are not anonymous, complete needed information on page three.

## Principal Investigator \& Faculty Advisor Assurance

The original signature of the principal investigator (and faculty advisor if applicable) is required before this application can be processed. Scanned and faxed signatures, signature stamps and proxy signatures are not accepted. I certify that:

- The information provided in this application, and all attachments, is complete and correct.
- I have ultimate responsibility for protecting the rights and welfare of human subjects, the conduct of this study, and the ethical actions of subjects when participating in this research.
- I will obtain informed consent or assent from all human subjects as required.
- I will make no change to the human subjects protocol or consent form(s) without approval by the NKU IRB.
- I have completed the CITI Educational training required to conduct this project. (Scores of $80 \%$ required on each module)
- I will report unanticipated problems, adverse effects, and new information that may affect the risk-benefit assessment to the NKU IRB office (859-572-5168).
- The proposed research has not yet begun, is not currently underway, and will not begin until IRB approval has been obtained.



## Incomplete packets may delay the review process significantly

Applications that omit requested information are likely to delay the review process. Although IRB reviewers will make every effort to respond to your application within ten class business days, this may not be possible during periods of high volume, semester breaks or holidays. If you receive comments from reviewers, be aware that additional time will be needed to respond to your reply. You cannot assume that you will receive an approval within a two week time frame.

## ADDITIONAL RESEARCHERS OR MULTIPLE PRINCIPAL INVESTIGATORS

Complete information below for any persons (e.g., NKU students, faculty, and staff, or other non-NKU personnel) involved in recruiting participants, conducting this research study, interacting with participants, collecting data, or working with data that are not anonymous. If no other persons are involved, leave this section blank. An additional page for more researchers can be found on NKU IRB webpage.

| Other Researcher 1-Name |  |  | Department |  |
| :---: | :---: | :---: | :---: | :---: |
| Students of ANT 275, Fall 2011 ( |  |  | Sociology, Anthropology, and Philosophy |  |
| Campus Address (building \& room; if none, enter home address) |  |  | Current Email |  |
| 217C Landrum Academic Center |  |  | Various |  |
| CITI Training completed? (check one) Attach CITI Completion Certificate |  | _ ${ }^{\text {_ Yes ___ No } \quad \begin{array}{c}\text { Note: Scores of } 80 \% \text { required on all six modules; individual } \\ \text { programs may require additional modules }\end{array}}$ |  |  |
| Rank (check one) | __ NKU Faculty/Staff _- ${ }^{\text {}}$ |  |  |  |
| Other Researcher 2 - Name |  |  | Department |  |
| Students of ANT 100H and 325, Spring 2012 |  |  | Sociology, Anthropology, and Philosophy |  |
| Campus Address (building \& room; if none, enter home address) |  |  | Current Email |  |
| 217C Landrum Academic Center |  |  | Various |  |
| CITI Training completed? (check one) Attach CITI Completion Certificate |  | ___ Yes _X_No Note:Scores of $80 \%$ required on all six modules; individua <br> programs may require additional modules |  |  |
| Rank (check one) | ___ NKU Faculty/Staff __ N_ NKU Student __ Non-NKU researcher |  |  |  |

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## INFORMED CONSENT STATEMENT

Principal Investigator: Douglas Hume, Ph.D., Northern Kentucky University
Title of Study: What is recreation?
You are invited to participate in research about what residents of Highland Heights consider recreation. It is hoped that this research will influence how the Highland Heights Parks and Recreation Board plan events in the coming year.

Your participation in this study is voluntary. You may choose to stop participating (withdraw) at any time without penalty. You will not be paid for being in this study. Data collected in this study is anonymous, as we are not collecting names or other identifying information.

The interview is estimated to last approximately five minutes to one-half hour.
The results of this project will be published on the Internet (http://aearg.nku.edu), journals and conference proceedings as well as in a report to the Highland Heights Parks and Recreation Board.

If you have any questions or concerns, please feel free to contact the Primary Investigator, Douglas Hume, Ph.D., Assistant Professor of Anthropology, Northern Kentucky University, at humed1@nku.edu or 859-572-5702.

Questions about your rights as a participant of this research may be directed to Philip J. Moberg, Ph.D., IRB Chair, Northern Kentucky University, at either mobergp1@nku.edu or 859-572-1913. The IRB is a group of people that reviews research studies and protects the rights of people involved with research.

## Appendix B: Interview Guide

## Interview Guide: Recreation

Introduction
"My name is $\qquad$ and I am a student at NKU working on a service learning project with the Parks and Recreation Board of Highland Heights. May I ask you a few questions?"

- If yes, hand them the informed consent statement and say, "this is a statement about what we are doing and your rights if you would like to participate." Give them time to read the statement and answer any questions that they may have.
- If no, "Thank you for your time, goodbye."


## Interview

Tell the informant, "we have interviewed other people and found many types of recreation that form five broad categories of recreation. We now want to verify that these categories and the types of recreation contained within them make sense."

1. Show them the data sheet and say, "does categorizing types of recreation by physical activities; nature/outdoor activities; arts, crafts and hobbies; dramatic and cultural activities; and games make sense to you?"

- If yes, continue to the next step.
- If no, ask them why and write of the back of the sheet how the categorization may be improved.

2. Show them the data sheet and say, "does the categorization of physical activities by the subtypes listed, for example, dance, fitness, and playground, make sense to you?"

- If yes, continue to the next step.
- If no, ask them why and write of the back of the sheet how the categorization may be improved.

3. Repeat the process above for each of the five categories of recreation.
4. Handing the data sheet to the informant, say, "if the city organized it, which five recreational activities that you would most be interested in?" Circle the five activities.
5. Next, ask the informant, "are there any recreational activities missing that you would like the city to organize?" Write the activities next too the category in which they would fit

Thank the informant for their comments and time before wishing them a good day!

## Post-interview

Make the following notations at the top left hand corner of the data sheet (e.g, SB 3/24/12 HHM01 F40):

- your initials (e.g., SB or BK );
- date (e.g., 3/24/12);
- map area/dorm complex/student union (e.g., HHM01, Kentucky Hall, or SU) and
- informant sex and approximate age (e.g., F40 or M35)


## Appendix C: Questionnaire

## Recreation

## Physical Activities

1. Dance (ballet, ballroom, belly, flamenco, irish, line, salsa, square, tap, and zumba)
2. Fitness (aerobics, bicycling, circuit training, walking, running, jazzercize, meditation, wieght training, pilates, and yoga)
3. Playgound (dodge ball, foursquare, hop scotch, jungle gym, kick ball, tag, and tether ball)
4. Running/Walking ( 5 k run, track, cross-country, jogging, and marathon)
5. Self Defense (boxing, fencing, judo, jujitsu, karate, kick boxing, kung fu, tae kwon do, tai chi, and wrestling)
6. Water Sports (swimming, rowing, and water polo)
7. Indoor (air hockey, arm wrestling, badminton, basketball, bowling, climbing, curling, and gymnastics, and volleyball)
8. Outdoor (archery, baseball, bicycling (road), bicycling (trail/mountain), climbing, cricket, disc golf, dog walking, driving range, field hockey, flag football, football, freeze tag, frisbee golf, golfing, hacky sack, handball, horse riding, basketball, soccer, and volleyball)

## Nature/Outdoor Activities

1. Nature Collecting (butterfly, insects, fossils, and birding)
2. Extreme (bungee jumping, sky diving, hang gliding, climbing)
3. Nature Areas/Parks (kite flying, playgrounds, gardening, dog park, nature walks, )
4. Fishing (deep-sea, fly, freshwater, and saltwater)
5. Hunting/Shooting (bow hunting, deer hunting, duck hunting, shooting, skeet shooting, target shooting, and trapping)
6. Hiking/Camping (backpacking, camping, hiking)
7. Water Activities (boating, canoeing, jet skiing, kayaking, rafting, diving, snorkeling, and surfing)
8. Winter Activities (skiing, sledding, and snowboarding)

## Arts, Crafts, and Hobbies

1. Acting (community theatre, improvisational groups, musical theatre, and talent contests)
2. Writing (calligraphy, creative, and crosswords)
3. Woodcrafts (woodworking and whittling)
4. Fabric (sewing, knitting, and weaving)
5. Models (radio controlled, trains, rockets and plastic and wooden vehicle models)
6. Cooking (baking, cake decorating, candy making, and dessert making)
7. Collecting (antiques, coins, stamps, and scrap books)
8. Fine arts (painting, photography, drawing, printmaking, sculpting, and pottery)

## Dramatic and Cultural Activities

1. Museums (art, natural history, and children's)
2. Historical (historical reenactments and historical society)
3. Music Performances (a capella, blue grass, choir, instrumental, jazz, and orchestra)
4. Literature (book club, poetry readings/slams, and storytelling)
5. Performing Arts (ballet, theatre, opera)

## Games

1. Board Games (checkers, chess, monopoly, scrabble, puzzles, stratego, and yahtzee)
2. Card and Tile Games (bingo, blackjack, bridge, canasta, euchre, gin rummy, hearts, pinochle, poker, spades, dominoes and mahjong)
3. Outside Games (corn hole, croquet, hide and seek, horseshoes, lawn bowling, ring toss, and shuffle board)
4. Throwing Games (corn hole, darts, horseshoes, law bowling, and ring toss)
5. Active Games (corn hole, croquet, darts, foosball, hide and seek, horseshoes, larping, laser tag, lawn bowling, pool/billiards, ring toss, and shuffle board)

## Appendix D: Category Results

|  | Activity | Total | HH | NKU | Female | Male | ? | $\begin{aligned} & 18- \\ & 19 \end{aligned}$ | $\begin{aligned} & 20- \\ & 29 \end{aligned}$ | $\begin{gathered} 30- \\ 39 \end{gathered}$ | $\begin{aligned} & 40- \\ & 49 \end{aligned}$ | $\begin{gathered} 50- \\ 59 \end{gathered}$ | $\begin{array}{r} 50- \\ 69 \\ \hline \end{array}$ | $\begin{array}{r} 70- \\ 79 \end{array}$ | 80+ | ? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 苞 | Dance | 127 | 43 | 84 | 97 | 25 | 5 | 37 | 72 | 5 | 6 | 1 | 1 | o | o | 5 |
|  | Fitness | 180 | 97 | 83 | 96 | 78 | 6 | 38 | 97 | 18 | 14 | 2 | 4 | 4 | o | 3 |
|  | Playground | 78 | 40 | 38 | 35 | 43 | o | 16 | 51 | 3 | 7 | 1 | o | o | o | 0 |
|  | Running/Walking | 71 | 27 | 44 | 38 | 31 | 2 | 24 | 36 | 3 | 4 | 3 | 1 | o | o | o |
|  | Self Defense | 73 | 30 | 43 | 32 | 38 | 3 | 14 | 48 | o | 7 | 1 | 1 | 1 | o | 1 |
|  | Water Sports | 74 | 38 | 36 | 36 | 37 | 1 | 15 | 44 | 6 | 6 | 3 | o | o | o | o |
|  | Indoor Sports | 100 | 45 | 55 | 46 | 48 | 6 | 24 | 67 | 3 | 1 | 1 | 2 | o | 0 | 2 |
|  | Outdoor Sports | 330 | 161 | 169 | 128 | 187 | 15 | 65 | 210 | 23 | 9 | 14 | 2 | 3 | o | 4 |
|  | Total | 1033 | 481 | 552 | 508 | 487 | 38 | 233 | 625 | 61 | 54 | 26 | 11 | 8 | o | 15 |
|  | Nature Collecting | 19 | 9 | 10 | 7 | 12 | o | 5 | 10 | 2 | 1 | 1 | o | o | o | o |
|  | Extreme | 80 | 22 | 58 | 35 | 42 | 3 | 17 | 60 | o | o | o | o | o | o | 3 |
|  | Nature Areas/Parks | 82 | 44 | 38 | 52 | 25 | 5 | 9 | 38 | 14 | 10 | 5 | 2 | 1 | 0 | 3 |
|  | Fishing | 40 | 23 | 17 | 16 | 24 | o | 8 | 22 | 8 | o | 1 | o | o | o | 1 |
|  | Hunting/Shooting | 74 | 41 | 33 | 12 | 61 | 1 | 16 | 47 | 1 | 7 | o | o | 1 | o | 2 |
|  | Hiking/Camping | 111 | 49 | 62 | 50 | 58 | 3 | 21 | 64 | 8 | 10 | 3 | 1 | 1 | $\bigcirc$ | 3 |
|  | Water Activities | 144 | 49 | 95 | 78 | 63 | 3 | 22 | 110 | 2 | 6 | 1 | 1 | o | o | 2 |
|  | Total | 550 | 237 | 313 | 250 | 285 | 15 | 98 | 351 | 35 | 34 | 11 | 4 | 3 | o | 14 |
|  | Acting | 52 | 16 | 36 | 27 | 24 | 1 | 11 | 33 | 1 | 3 | 1 | o | o | o | 3 |
|  | Writing | 27 | 11 | 16 | 13 | 10 | 4 | 9 | 12 | o | 1 | 1 | 2 | o | o | 2 |
|  | Woodcrafts | 9 | 6 | 3 | 1 | 7 | 1 | o | 7 | 1 | o | 0 | o | o | 0 | 1 |
|  | Fabric Crafts | 29 | 16 | 13 | 19 | 8 | 2 | 5 | 9 | 4 | 1 | 2 | 3 | o | o | 5 |
|  | Models | 17 | 10 | 7 | 5 | 12 | 0 | o | 11 | 2 | o | 1 | 3 | o | $\bigcirc$ | o |
|  | Cooking | 86 | 29 | 57 | 70 | 12 | 4 | 29 | 42 | 3 | 3 | 3 | 1 | 1 | o | 4 |
|  | Collecting | 15 | 9 | 6 | 10 | 4 | 1 | 4 | 6 | o | o | o | 3 | o | 2 | 0 |
|  | Fine Arts | 97 | 32 | 65 | 73 | 18 | 6 | 25 | 59 | 3 | 3 | 4 | 1 | o | o | 2 |
|  | Cars | 2 | 2 | o | 0 | 2 | o | o | o | 0 | o | 2 | o | o | o | 0 |
|  | Holidays | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Total | 336 | 133 | 203 | 220 | 97 | 19 | 83 | 179 | 16 | 11 | 14 | 13 | 1 | 2 | 17 |
| 苞 | Museums | 68 | 31 | 37 | 33 | 33 | 2 | 13 | 44 | 2 | 6 | 1 | 2 | o | 0 | o |
|  | Historical | 14 | 6 | 8 | 8 | 6 | 0 | 3 | 8 | o | o | o | 2 | 1 | 0 | 0 |
|  | Music Performances | 62 | 25 | 37 | 36 | 22 | 4 | 10 | 36 | 3 | 7 | 3 | 1 | 1 | o | 1 |
|  | Literature | 25 | 8 | 17 | 15 | 8 | 2 | 3 | 14 | 2 | 3 | 1 | 2 | o | 0 | 0 |
|  | Performing Arts | 43 | 16 | 27 | 28 | 14 | 1 | 9 | 27 | 3 | 2 | o | o | o | o | 2 |
|  | Total | 212 | 86 | 126 | 120 | 83 | 9 | 38 | 129 | 10 | 18 | 5 | 7 | 2 | o | 3 |
|  | Board Games | 42 | 19 | 23 | 18 | 23 | 1 | 10 | 28 | 0 | 1 | 0 | 3 | 0 | 0 | 0 |
|  | Card and Tile Games | 34 | 11 | 23 | 15 | 17 | 2 | 10 | 16 | 0 | 2 | 2 | 1 | o | 0 | 3 |
|  | Outside Games | 61 | 26 | 35 | 29 | 31 | 1 | 15 | 38 | 1 | 1 | 1 | 3 | o | $\bigcirc$ | 2 |
|  | Throwing Games | 32 | 17 | 15 | 13 | 19 | 0 | 8 | 19 | o | 1 | o | 3 | 1 | o | 0 |
|  | Active Games | 85 | 32 | 53 | 43 | 39 | 3 | 19 | 54 | 2 | 6 | o | 4 | o | o | o |
|  | Total | 254 | 105 | 149 | 118 | 129 | 7 | 62 | 155 | 3 | 11 | 3 | 14 | 1 | 0 | 5 |
|  | Grand Total | 2386 | 1042 | 1344 | 1216 | 1081 | 88 | 514 | 1439 | 125 | 128 | 59 | 49 | 15 | 2 | 54 |

## Appendix E: Physical Activities

|  | Activity | Total | HH | NKU | Female | Male | ? | $\begin{aligned} & 18- \\ & 19 \end{aligned}$ | $\begin{aligned} & 20- \\ & 29 \end{aligned}$ | $\begin{gathered} 30- \\ 39 \end{gathered}$ | $\begin{aligned} & 40- \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 59 \end{aligned}$ | $\begin{aligned} & 50- \\ & 69 \end{aligned}$ | $\begin{array}{r} 70- \\ 79 \\ \hline \end{array}$ | 80+ | ? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \ddot{H} \\ & \text { ̈̈n } \end{aligned}$ | Ballet | 17 | 5 | 12 | 12 | 4 | 1 | 5 | 9 | 2 | o | o | o | o | o | 1 |
|  | Ballroom | 11 | 4 | 7 | 7 | 4 | o | 4 | 6 | o | o | o | o | o | o | 1 |
|  | Belly | 11 | 1 | 10 | 3 | 7 | 1 | 3 | 8 | o | o | o | o | o | o | o |
|  | Flamenco | 3 | 2 | 1 | 1 | 2 | 0 | 1 | 2 | o | o | o | o | o | o | o |
|  | Irish | 6 | 2 | 4 | 5 | 1 | o | 4 | 1 | o | 1 | o | o | o | o | o |
|  | Line | 1 | 1 | 0 | o | 1 | o | o | 1 | o | o | o | o | o | o | o |
|  | Salsa | 16 | 7 | 9 | 11 | 4 | 1 | 3 | 10 | o | 1 | o | 1 | o | o | 1 |
|  | Square | 1 | o | 1 | 1 | o | o | o | 1 | o | o | o | o | o | o | o |
|  | Tap | 6 | 3 | 3 | 5 | 1 | o | 2 | 1 | 1 | o | 1 | o | o | o | 1 |
|  | Zumba | 54 | 18 | 36 | 51 | 1 | 2 | 15 | 32 | 2 | 4 | o | o | o | o | 1 |
|  | Pole Dancing | 1 | o | 1 | 1 | o | o | o | 1 | o | o | o | o | o | o | o |
|  | Total | 127 | 43 | 84 | 97 | 25 | 5 | 37 | 72 | 5 | 6 | 1 | 1 | o | o | 5 |
|  | Aerobics | 15 | 9 | 6 | 11 | 3 | 1 | 3 | 9 | 1 | 1 | o | o | o | o | 1 |
|  | Bicycling | 34 | 22 | 12 | 15 | 19 | 0 | 9 | 18 | 3 | 2 | o | 1 | 1 | 0 | o |
|  | $\begin{aligned} & \text { Circuit } \\ & \text { Training } \\ & \hline \end{aligned}$ | 10 | 3 | 7 | 3 | 7 | o | 1 | 9 | o | o | o | o | o | o | o |
|  | Walking | 29 | 21 | 8 | 19 | 10 | o | 3 | 12 | 5 | 4 | 2 | 2 | 1 | o | o |
|  | Running | 31 | 19 | 12 | 14 | 17 | o | 6 | 17 | 3 | 3 | o | 1 | 1 | o | o |
|  | Jazzercize | 6 | 1 | 5 | 3 | 2 | 1 | 1 | 3 | 1 | o | o | o | o | o | 1 |
|  | Meditation | 3 | 2 | 1 | 2 | 1 | o | 1 | 1 | 1 | o | o | o | o | o | o |
|  | Weight Training | 21 | 10 | 11 | 6 | 14 | 1 | 5 | 15 | o | o | o | o | 1 | o | o |
|  | Pilates | 10 | 4 | 6 | 8 | 2 | o | 3 | 4 | 2 | 1 | o | o | o | o | o |
|  | Yoga | 21 | 6 | 15 | 15 | 3 | 3 | 6 | 9 | 2 | 3 | o | o | o | o | 1 |
|  | Total | 180 | 97 | 83 | 96 | 78 | 6 | 38 | 97 | 18 | 14 | 2 | 4 | 4 | o | 3 |
|  | Dodge Ball | 39 | 22 | 17 | 14 | 25 | 0 | 7 | 26 | 3 | 3 | o | o | o | o | o |
|  | Foursquare | 5 | 4 | 1 | 3 | 2 | o | 2 | 3 | o | o | o | o | o | o | o |
|  | Hop Scotch | 4 | 2 | 2 | 3 | 1 | o | 1 | 2 | o | 1 | o | o | o | o | o |
|  | Jungle Gym | 14 | 5 | 9 | 8 | 6 | o | 2 | 9 | o | 2 | 1 | o | o | o | o |
|  | Kick Ball | 10 | 4 | 6 | 4 | 6 | o | 2 | 7 | o | 1 | o | o | o | o | o |
|  | Tag | 2 | 1 | 1 | 1 | 1 | o | 0 | 2 | o | o | o | 0 | o | o | o |
|  | Tether Ball | 4 | 2 | 2 | 2 | 2 | o | 2 | 2 | o | o | o | o | o | o | o |
|  | Total | 78 | 40 | 38 | 35 | 43 | 0 | 16 | 51 | 3 | 7 | 1 | 0 | o | o | o |
|  | 5K Run | 26 | 10 | 16 | 14 | 12 | o | 6 | 18 | o | o | 2 | o | o | o | o |
|  | Track | 9 | 3 | 6 | 3 | 6 | o | 6 | 3 | o | o | o | o | o | o | o |
|  | Cross-Country | 13 | 2 | 11 | 6 | 6 | 1 | 6 | 5 | 1 | o | o | 1 | o | o | o |
|  | Jogging | 18 | 9 | 9 | 12 | 6 | 0 | 4 | 10 | 1 | 2 | 1 | 0 | o | 0 | o |
|  | Marathon | 4 | 3 | 1 | 3 | 1 | o | 2 | o | 1 | 1 | o | o | o | 0 | 0 |
|  | Road Race | 1 | 0 | 1 | o | o | 1 | 0 | 0 | o | 1 | 0 | 0 | o | o | 0 |
|  | Total | 71 | 27 | 44 | 38 | 31 | 2 | 24 | 36 | 3 | 4 | 3 | 1 | o | o | o |
| $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | Boxing | 19 | 7 | 12 | 8 | 11 | 0 | 5 | 13 | o | 1 | o | o | o | o | o |
|  | Fencing | 4 | 3 | 1 | 2 | 2 | o | o | 4 | o | o | o | o | o | o | o |
|  | Judo | 3 | 1 | 2 | o | 3 | o | o | 2 | o | 1 | o | o | o | o | o |
|  | Jujitsu | 6 | 2 | 4 | o | 4 | 2 | o | 5 | o | o | o | o | o | o | 1 |
|  | Karate | 8 | 4 | 4 | 3 | 5 | o | 1 | 4 | o | 2 | 1 | o | o | o | o |
|  | Kick Boxing | 13 | 5 | 8 | 9 | 4 | o | 4 | 8 | o | 1 | o | 0 | o | o | o |
|  | Kung Fu | 2 | o | 2 | 1 | 1 | 0 | o | 2 | o | o | o | 0 | o | o | 0 |
|  | Tae Kwon Do | 4 | o | 4 | 4 | o | o | 1 | 3 | o | o | o | o | o | o | o |
|  | Tai Chi | 8 | 5 | 3 | 3 | 4 | 1 | 1 | 4 | o | 1 | o | 1 | 1 | o | o |
|  | Wrestling | 6 | 3 | 3 | 2 | 4 | o | 2 | 3 | o | 1 | o | o | o | o | o |
|  | Total | 73 | 30 | 43 | 32 | 38 | 3 | 14 | 48 | o | 7 | 1 | 1 | 1 | 0 | 1 |
|  | Swimming | 66 | 37 | 29 | 34 | 31 | 1 | 13 | 38 | 6 | 6 | 3 | 0 | o | o | o |
|  | Rowing | 2 | o | 2 | 1 | 1 | 0 | o | 2 | o | 0 | o | 0 | o | o | o |
|  | Water Polo | 6 | 1 | 5 | 1 | 5 | 0 | 2 | 4 | o | o | o | o | o | o | 0 |
|  | Total | 74 | 38 | 36 | 36 | 37 | 1 | 15 | 44 | 6 | 6 | 3 | o | o | o | o |
|  | Air Hockey | 5 | 1 | 4 | 2 | 2 | 1 | o | 4 | o | o | o | o | o | 0 | 1 |
|  | Arm Wrestling | 2 | o | 2 | 1 | 1 | o | 1 | 1 | o | o | o | o | o | o | 0 |
|  | Badminton | 5 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | o | o | 1 | o | o | 1 |
|  | Basketball | 33 | 16 | 17 | 13 | 18 | 2 | 9 | 22 | o | 1 | o | 1 | o | o | o |
|  | Bowling | 12 | 6 | 6 | 2 | 10 | 0 | 2 | 10 | o | o | o | o | o | o | o |


|  | Climbing | 9 | 3 | 6 | 2 | 7 | 0 | 2 | 7 | O | o | o | 0 | O | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Curling | 3 | 1 | 2 | 2 | 1 | 0 | 0 | 3 | o | o | o | 0 | o | 0 | o |
|  | Gymnastics | 7 | 3 | 4 | 6 | 1 | 0 | 2 | 4 | O | o | 1 | 0 | o | 0 | 0 |
|  | Volleyball | 23 | 12 | 11 | 15 | 6 | 2 | 7 | 14 | 2 | o | o | 0 | o | 0 | 0 |
|  | Soccer | 1 | o | 1 | o | 1 | 0 | 0 | 1 | o | 0 | o | 0 | o | 0 | 0 |
|  | Total | 100 | 45 | 55 | 46 | 48 | 6 | 24 | 67 | 3 | 1 | 1 | 2 | 0 | 0 | 2 |
|  | Archery | 22 | 9 | 13 | 11 | 10 | 1 | 9 | 10 | 1 | 1 | 1 | 0 | o | 0 | 0 |
|  | Baseball | 26 | 14 | 12 | 7 | 19 | 0 | 8 | 12 | 2 | 3 | 1 | 0 | o | 0 | 0 |
|  | Bicycling | o | o | 0 | o | o | 0 | o | o | o | o | o | 0 | 0 | 0 | o |
|  | Road | 23 | 12 | 11 | 12 | 10 | 1 | 4 | 10 | 5 | 0 | 2 | 0 | 1 | 0 | 1 |
|  | Bicycling | 0 | o | O | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Trail/Mountain | 22 | 10 | 12 | 11 | 10 | 1 | 2 | 11 | 1 | 3 | 4 | 0 | 1 | 0 | 0 |
|  | Climbing | 13 | 8 | 5 | 4 | 9 | o | 4 | 8 | o | o | 1 | 0 | 0 | 0 | o |
|  | Cricket | o | o | o | o | o | 0 | o | o | o | o | o | 0 | o | o | o |
|  | Disc Golf | 13 | 8 | 5 | 1 | 10 | 2 | 3 | 9 | o | o | 1 | 0 | 0 | 0 | 0 |
|  | Dog Walking | 14 | 8 | 6 | 10 | 3 | 1 | 3 | 5 | 4 | o | 2 | 0 | 0 | 0 | 0 |
|  | Driving Range | 8 | 5 | 3 | 2 | 5 | 1 | 1 | 6 | 1 | o | 0 | 0 | O | 0 | 0 |
|  | Field Hockey | 2 | 1 | 1 | 0 | 2 | 0 | o | 2 | 0 | 0 | O | 0 | 0 | 0 | 0 |
|  | Flag Football | 19 | 10 | 9 | 6 | 13 | 0 | 4 | 15 | 0 | 0 | o | 0 | 0 | 0 | 0 |
|  | Football | 26 | 18 | 8 | 3 | 21 | 2 | 3 | 20 | 2 | 0 | o | 1 | 0 | 0 | 0 |
|  | Freeze Tag | 11 | o | 11 | 5 | 5 | 1 | 1 | 9 | o | 0 | 0 | 0 | 0 | 0 | 1 |
|  | Frisbee Golf | 14 | 6 | 8 | 3 | 11 | 0 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Golfing | 16 | 6 | 10 | 5 | 10 | 1 | 3 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 1 |
|  | Hacky Sack | 1 | o | 1 | 0 | 1 | 0 | O | 1 | 0 | 0 | o | 0 | 0 | 0 | 0 |
|  | Handball | 0 | o | o | 0 | o | 0 | 0 | o | 0 | 0 | o | 0 | 0 | 0 | 0 |
|  | Horse Riding | 12 | 6 | 6 | 7 | 4 | 1 | 2 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Basketball | 23 | 12 | 11 | 7 | 16 | 0 | 3 | 17 | 1 | O | 0 | 1 | 0 | 0 | 1 |
|  | Soccer | 29 | 13 | 16 | 10 | 19 | 0 | 5 | 24 | 0 | 0 | o | 0 | 0 | 0 | 0 |
|  | Volleyball | 33 | 13 | 20 | 21 | 9 | 3 | 8 | 21 | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
|  | Softball | 2 | 2 | 0 | 2 | o | 0 | 0 | 0 | 1 | 0 | 1 | 0 | o | 0 | o |
|  | Tennis | 1 | o | 1 | 1 | - | 0 | 0 | 1 | 0 | 0 | 0 | 0 | o | 0 | 0 |
|  | Total | 330 | 161 | 169 | 128 | 187 | 15 | 65 | 210 | 23 | 9 | 14 | 2 | 3 | 0 | 4 |
|  | Grand Total | 1033 | 481 | 552 | 508 | 487 | 38 | 233 | 625 | 61 | 54 | 26 | 11 | 8 | O | 15 |

## Appendix F: Nature/Outdoor Activities

|  | Activity | Total | HH | NKU | Female | Male | ? | $\begin{aligned} & 18- \\ & 19 \end{aligned}$ | $\begin{aligned} & 20- \\ & 29 \end{aligned}$ | $\begin{aligned} & 30- \\ & 39 \end{aligned}$ | $\begin{aligned} & 40- \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 59 \end{aligned}$ | $\begin{aligned} & 50- \\ & 69 \end{aligned}$ | $\begin{array}{r} 70- \\ 79 \end{array}$ | 80+ | ? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Butterfly | 6 | 2 | 4 | 3 | 3 | o | 2 | 4 | o | o | o | o | o | o | o |
|  | Insects | 2 | 1 | 1 | o | 2 | o | o | 2 | o | o | o | o | o | o | o |
|  | Fossils | 5 | 2 | 3 | 2 | 3 | o | 2 | 2 | 1 | o | o | o | o | o | o |
|  | Birding | 6 | 4 | 2 | 2 | 4 | o | 1 | 2 | 1 | 1 | 1 | o | o | o | o |
|  | Total | 19 | 9 | 10 | 7 | 12 | 0 | 5 | 10 | 2 | 1 | 1 | o | 0 | o | 0 |
| $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { Bungee } \\ & \text { Jumping } \\ & \hline \end{aligned}$ | 20 | 6 | 14 | 13 | 6 | 1 | 2 | 16 | 0 | o | o | o | o | o | 2 |
|  | Sky Diving | 42 | 9 | 33 | 10 | 30 | 2 | 11 | 30 | o | o | o | o | o | o | 1 |
|  | Hang Gliding | 9 | 3 | 6 | 6 | 3 | 0 | 1 | 8 | o | 0 | 0 | o | o | 0 | 0 |
|  | Climbing | 9 | 4 | 5 | 6 | 3 | 0 | 3 | 6 | o | o | o | o | o | o | 0 |
|  | Total | 80 | 22 | 58 | 35 | 42 | 3 | 17 | 60 | o | o | o | o | o | o | 3 |
|  | Kite Flying | 8 | 4 | 4 | 6 | 1 | 1 | 1 | 4 | 2 | 0 | o | 1 | 0 | 0 | o |
|  | Playgrounds | 9 | 6 | 3 | 8 | 1 | 0 | o | 6 | o | 2 | 1 | o | o | o | 0 |
|  | Gardening | 13 | 8 | 5 | 6 | 5 | 2 | 1 | 7 | 2 | 2 | o | o | o | o | 1 |
|  | Dog Park | 24 | 11 | 13 | 16 | 7 | 1 | 2 | 10 | 6 | 4 | 2 | o | o | o | o |
|  | Nature Walks | 28 | 15 | 13 | 16 | 11 | 1 | 5 | 11 | 4 | 2 | 2 | 1 | 1 | o | 2 |
|  | Total | 82 | 44 | 38 | 52 | 25 | 5 | 9 | 38 | 14 | 10 | 5 | 2 | 1 | 0 | 3 |
| $\frac{: 0}{E}$ | Deep-Sea | 10 | 5 | 5 | 5 | 5 | 0 | 3 | 5 | 1 | o | 1 | 0 | 0 | 0 | 0 |
|  | Fly | 2 | 1 | 1 | o | 2 | o | o | 1 | 1 | o | o | o | o | o | o |
|  | Freshwater | 24 | 16 | 8 | 10 | 14 | o | 5 | 13 | 5 | o | 0 | 0 | o | 0 | 1 |
|  | Saltwater | 4 | 1 | 3 | 1 | 3 | 0 | o | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Total | 40 | 23 | 17 | 16 | 24 | o | 8 | 22 | 8 | o | 1 | o | o | o | 1 |
| $\begin{aligned} & E 0 \\ & E \\ & 0 \\ & 0 \\ & E \\ & 0 \\ & 0 \\ & E \\ & E \\ & E \end{aligned}$ | Bow Hunting | 14 | 7 | 7 | 2 | 12 | o | 6 | 7 | o | 1 | o | o | o | o | 0 |
|  | Deer Hunting | 17 | 9 | 8 | 3 | 14 | o | 1 | 12 | 1 | 2 | o | 0 | o | o | 1 |
|  | Duck Hunting | 4 | 3 | 1 | 1 | 3 | 0 | o | 3 | o | 1 | o | o | o | o | 0 |
|  | Shooting | 13 | 8 | 5 | 1 | 11 | 1 | 3 | 9 | o | 1 | o | o | o | o | 0 |
|  | Skeet Shooting | 12 | 5 | 7 | 1 | 11 | 0 | 4 | 7 | 0 | 1 | o | o | o | 0 | 0 |
|  | Target Shooting | 14 | 9 | 5 | 4 | 10 | 0 | 2 | 9 | o | 1 | o | o | 1 | o | 1 |
|  | Trapping | o | o | o | o | o | o | o | o | o | o | o | o | o | o | 0 |
|  | Total | 74 | 41 | 33 | 12 | 61 | 1 | 16 | 47 | 1 | 7 | o | o | 1 | 0 | 2 |
|  | Backpacking | 21 | 9 | 12 | 9 | 12 | o | 7 | 10 | 2 | 2 | o | o | o | o | 0 |
|  | Camping | 42 | 19 | 23 | 20 | 21 | 1 | 5 | 27 | 2 | 3 | 2 | 1 | 1 | o | 1 |
|  | Hiking | 48 | 21 | 27 | 21 | 25 | 2 | 9 | 27 | 4 | 5 | 1 | o | 0 | 0 | 2 |
|  | Total | 111 | 49 | 62 | 50 | 58 | 3 | 21 | 64 | 8 | 10 | 3 | 1 | 1 | o | 3 |
|  | Boating | 19 | 8 | 11 | 12 | 7 | o | 3 | 16 | o | o | o | o | o | o | o |
|  | Canoeing | 32 | 9 | 23 | 22 | 10 | 0 | 5 | 25 | 1 | 1 | o | o | 0 | 0 | 0 |
|  | Jet Skiing | 17 | 7 | 10 | 8 | 9 | 0 | 3 | 12 | o | 1 | o | o | o | o | 1 |
|  | Kayaking | 11 | 6 | 5 | 7 | 4 | o | 1 | 10 | o | o | o | o | o | o | o |
|  | Rafting | 7 | 3 | 4 | 3 | 3 | 1 | o | 7 | o | o | o | o | o | o | 0 |
|  | Diving | 4 | 1 | 3 | 1 | 3 | o | o | 4 | o | o | o | o | o | o | 0 |
|  | Snorkeling | 11 | 1 | 10 | 9 | 2 | 0 | 5 | 6 | $\bigcirc$ | o | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | 0 |
|  | Surfing | 2 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | o | 0 | o | o | o | o | 0 |
|  | Skiing | 20 | 7 | 13 | 8 | 11 | 1 | 2 | 16 | o | 2 | o | o | o | o | 0 |
|  | Sledding | 9 | 3 | 6 | 3 | 5 | 1 | 0 | 5 | o | 1 | 1 | 1 | o | o | 1 |
|  | Snowboarding | 12 | 3 | 9 | 4 | 8 | 0 | 2 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | Total | 144 | 49 | 95 | 78 | 63 | 3 | 22 | 110 | 2 | 6 | 1 | 1 | o | o | 2 |
|  | Grand Total | 550 | 237 | 313 | 250 | 285 | 15 | 98 | 351 | 35 | 34 | 11 | 4 | 3 | o | 14 |

## Appendix G：Arts，Crafts，and Hobbies

|  | Activity | Total | HH | NKU | Female | Male | ？ | $\begin{array}{r} 18 \\ 19 \end{array}$ | $\begin{aligned} & 20- \\ & 29 \end{aligned}$ | $\begin{aligned} & 30- \\ & 39 \end{aligned}$ | $\begin{array}{r} 40- \\ 49 \\ \hline \end{array}$ | $\begin{aligned} & 50- \\ & 59 \end{aligned}$ | $\begin{aligned} & 50- \\ & 69 \end{aligned}$ | $\begin{array}{r} 70- \\ 79 \\ \hline \end{array}$ | $80+$ | ？ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 会 | Community Theatre | 22 | 7 | 15 | 13 | 8 | 1 | 4 | 12 | 1 | 3 | 1 | O | O | O | 1 |
|  | Improvisational Groups | 5 | 4 | 1 | 5 | o | 0 | 1 | 4 | o | o | o | o | o | o | o |
|  | Musical Theatre | 20 | 3 | 17 | 8 | 12 | 0 | 6 | 12 | O | o | O | O | O | O | 2 |
|  | Talent Contests | 5 | 2 | 3 | 1 | 4 | 0 | o | 5 | o | o | o | o | o | o | 0 |
|  | Total | 52 | 16 | 36 | 27 | 24 | 1 | 11 | 33 | 1 | 3 | 1 | o | o | o | 3 |
| 道 | Calligraphy | 9 | 4 | 5 | 7 | 2 | 0 | 4 | 3 | 0 | 1 | 0 | 1 | 0 | o | 0 |
|  | Creative | 12 | 2 | 10 | 5 | 4 | 3 | 4 | 7 | o | 0 | o | o | 0 | o | 1 |
|  | Crosswords | 6 | 5 | 1 | 1 | 4 | 1 | 1 | 2 | o | o | 1 | 1 | o | o | 1 |
|  | Total | 27 | 11 | 16 | 13 | 10 | 4 | 9 | 12 | o | 1 | 1 | 2 | o | o | 2 |
| $\begin{aligned} & 1 \\ & 0 \\ & 0 \\ & 0 \\ & 3 \\ & 3 \end{aligned}$ | Woodworking | 7 | 5 | 2 | o | 7 | 0 | о | 6 | 1 | 0 | o | o | O | o | 0 |
|  | Whittling | 2 | 1 | 1 | 1 | o | 1 | o | 1 | o | 0 | o | 0 | o | o | 1 |
|  | Total | 9 | 6 | 3 | 1 | 7 | 1 | o | 7 | 1 | o | o | o | o | o | 1 |
| 弟 | Sewing | 16 | 10 | 6 | 11 | 4 | 1 | 3 | 5 | 2 | 1 | o | 2 | o | o | 3 |
|  | Knitting | 8 | 5 | 3 | 6 | 2 | 0 | 1 | 2 | 1 | o | 2 | 1 | O | O | 1 |
|  | Weaving | 5 | 1 | 4 | 2 | 2 | 1 | 1 | 2 | 1 | o | o | o | o | o | 1 |
|  | Total | 29 | 16 | 13 | 19 | 8 | 2 | 5 | 9 | 4 | 1 | 2 | 3 | o | o | 5 |
| $\begin{aligned} & \frac{0}{0} \\ & \sum_{0}^{0} \end{aligned}$ | Radio Controlled | 1 | 1 | 0 | O | 1 | 0 | o | o | o | o | o | 1 | o | 0 | 0 |
|  | Trains | 3 | 2 | 1 | 1 | 2 | o | o | 2 | o | o | o | 1 | o | o | o |
|  | Rockets | 4 | 2 | 2 | 1 | 3 | o | o | 3 | 1 | o | o | o | o | o | 0 |
|  | Plastic | 3 | 1 | 2 | 1 | 2 | o | o | 3 | o | o | o | o | o | o | o |
|  | Wooden Vehicle Models | 4 | 2 | 2 | 1 | 3 | 0 | 0 | 3 | O | 0 | O | 1 | O | O | 0 |
|  | Cars | 1 | 1 | 0 | o | 1 | 0 | o | o | o | o | 1 | o | o | o | O |
|  | Legos | 1 | 1 | o | 1 | o | o | o | o | 1 | o | o | o | o | o | 0 |
|  | Total | 17 | 10 | 7 | 5 | 12 | 0 | o | 11 | 2 | 0 | 1 | 3 | 0 | o | 0 |
| $\begin{aligned} & 00 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | Baking | 35 | 13 | 22 | 28 | 6 | 1 | 15 | 14 | 2 | 1 | 1 | 0 | 1 | o | 1 |
|  | Cake Decorating | 29 | 6 | 23 | 26 | 1 | 2 | 9 | 15 | 1 | 1 | 1 | 1 | 0 | O | 1 |
|  | Candy Making | 6 | 3 | 3 | 6 | o | o | 2 | 1 | o | 1 | 1 | o | o | o | 1 |
|  | Dessert Making | 15 | 7 | 8 | 10 | 5 | o | 3 | 11 | o | 0 | o | 0 | 0 | 0 | 1 |
|  | Dinner | 1 | o | 1 | o | o | 1 | 0 | 1 | o | o | o | o | o | o | 0 |
|  | Total | 86 | 29 | 57 | 70 | 12 | 4 | 29 | 42 | 3 | 3 | 3 | 1 | 1 | o | 4 |
| 荮 | Antiques | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | O | 1 | 0 | o | 0 |
|  | Coins | 6 | 3 | 3 | 4 | 2 | 0 | 1 | 3 | o | 0 | 0 | 1 | 0 | 1 | 0 |
|  | Stamps | 4 | 3 | 1 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | o | 1 | 0 | 1 | 0 |
|  | Scrap Books | 2 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Total | 15 | 9 | 6 | 10 | 4 | 1 | 4 | 6 | 0 | 0 | 0 | 3 | 0 | 2 | 0 |
| Fine arts | Painting | 17 | 10 | 7 | 15 | 2 | 0 | 6 | 8 | o | 1 | 1 | 1 | 0 | 0 | 0 |
|  | Photography | 42 | 11 | 31 | 31 | 9 | 2 | 10 | 30 | o | 0 | 2 | 0 | 0 | o | 0 |
|  | Drawing | 9 | 2 | 7 | 6 | 2 | 1 | 1 | 7 | 0 | 0 | O | o | 0 | o | 1 |
|  | Printmaking | 5 | 1 | 4 | 3 | 1 | 1 | 2 | 3 | o | o | O | o | o | O | o |
|  | Sculpting | 8 | 2 | 6 | 5 | 2 | 1 | 1 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
|  | Pottery | 16 | 6 | 10 | 13 | 2 | 1 | 5 | 7 | 2 | 1 | o | o | 0 | o | 1 |
|  | Total | 97 | 32 | 65 | 73 | 18 | 6 | 25 | 59 | 3 | 3 | 4 | 1 | o | o | 2 |
| تٌ | Car Shows | 1 | 1 | 0 | 0 | 1 | 0 | o | 0 | 0 | 0 | 1 | 0 | 0 | o | 0 |
|  | Cruise－Ins | 1 | 1 | 0 | o | 1 | 0 | O | 0 | 0 | 0 | 1 | 0 | 0 | O | 0 |
|  | Total | 2 | 2 | o | o | 2 | 0 | o | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
|  | Easter Egg Hunts | 1 | 1 | o | 1 | 0 | O | O | O | 1 | 0 | 0 | 0 | 0 | O | 0 |
|  | Santa Claus | 1 | 1 | o | 1 | o | 0 | o | o | 1 | o | o | o | 0 | o | 0 |
|  | Total | 2 | 2 | 0 | 2 | 0 | 0 | 0 | o | 2 | 0 | 0 | o | 0 | 0 | 0 |
|  | Grand Total | 336 | 133 | 203 | 220 | 97 | 19 | 83 | 179 | 16 | 11 | 14 | 13 | 1 | 2 | 17 |

## Appendix H: Dramatic and Cultural Activities

|  | Activity | Total | HH | NKU | Female | Male | ? | $\begin{gathered} 18- \\ 19 \end{gathered}$ | $\begin{aligned} & 20- \\ & 29 \end{aligned}$ | $\begin{gathered} 30- \\ 39 \end{gathered}$ | $\begin{aligned} & 40- \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 59 \end{aligned}$ | $\begin{gathered} 50- \\ 69 \end{gathered}$ | $\begin{array}{r} 70- \\ 79 \\ \hline \end{array}$ | $80+$ | $?$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { n } \\ & \text { B } \\ & 0 \\ & 0 \\ & \sum \end{aligned}$ | Art | 27 | 12 | 15 | 15 | 10 | 2 | 8 | 14 | 0 | 4 | 0 | 1 | - | o | 0 |
|  | Natural History | 32 | 16 | 16 | 11 | 21 | 0 | 5 | 23 | 1 | 1 | 1 | 1 | o | o | 0 |
|  | Children's | 8 | 3 | 5 | 6 | 2 | 0 | o | 7 | 1 | o | o | o | 0 | o | 0 |
|  | Cultural History | 1 | 0 | 1 | 1 | O | 0 | 0 | 0 | 0 | 1 | O | 0 | 0 | 0 | 0 |
|  | Total | 68 | 31 | 37 | 33 | 33 | 2 | 13 | 44 | 2 | 6 | 1 | 2 | 0 | 0 | 0 |
|  | Historical Reenactments | 8 | 2 | 6 | 5 | 3 | 0 | 2 | 5 | O | O | O | 1 | O | о | 0 |
|  | Historical Society | 6 | 4 | 2 | 3 | 3 | 0 | 1 | 3 | o | o | o | 1 | 1 | o | 0 |
|  | Total | 14 | 6 | 8 | 8 | 6 | 0 | 3 | 8 | O | o | 0 | 2 | 1 | o | 0 |
|  | a Capella | 8 | 2 | 6 | 5 | 3 | 0 | 2 | 6 | 0 | 0 | O | 0 | 0 | о | 0 |
|  | Blue Grass | 8 | 5 | 3 | 3 | 5 | 0 | 1 | 4 | 2 | 1 | o | O | o | o | 0 |
|  | Choir | 17 | 7 | 10 | 12 | 5 | 0 | 4 | 11 | o | o | o | 1 | 1 | o | 0 |
|  | Instrumental | 8 | 5 | 3 | 5 | 2 | 1 | 1 | 5 | o | 1 | o | o | o | o | 1 |
|  | Jazz | 10 | 4 | 6 | 5 | 4 | 1 | 1 | 6 | o | 1 | 2 | o | o | о | 0 |
|  | Orchestra | 10 | 2 | 8 | 6 | 3 | 1 | 1 | 4 | 1 | 3 | 1 | O | o | 0 | 0 |
|  | Singing/Songwriting | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | o | 1 | 0 | 0 | O | O | 0 |
|  | Total | 62 | 25 | 37 | 36 | 22 | 4 | 10 | 36 | 3 | 7 | 3 | 1 | 1 | o | 1 |
| H: | Book Club | 12 | 5 | 7 | 8 | 2 | 2 | 2 | 4 | 2 | 3 | O | 1 | O | 0 | 0 |
|  | Poetry <br> Readings/Slams | 10 | 1 | 9 | 5 | 5 | 0 | 1 | 8 | O | O | 1 | 0 | 0 | O | 0 |
|  | Storytelling | 3 | 2 | 1 | 2 | 1 | 0 | O | 2 | o | o | O | 1 | o | o | 0 |
|  | Total | 25 | 8 | 17 | 15 | 8 | 2 | 3 | 14 | 2 | 3 | 1 | 2 | O | o | 0 |
| $\begin{gathered} \text { Performing } \\ \text { Arts } \end{gathered}$ | Ballet | 9 | 5 | 4 | 9 | 0 | 0 | 1 | 6 | 1 | O | 0 | 0 | 0 | 0 | 1 |
|  | Circus | 1 | 1 | o | o | 1 | 0 | o | 1 | o | o | o | O | O | o | 0 |
|  | Theatre | 26 | 7 | 19 | 14 | 11 | 1 | 6 | 15 | 2 | 2 | 0 | 0 | 0 | 0 | 1 |
|  | Opera | 7 | 3 | 4 | 5 | 2 | o | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Total | 43 | 16 | 27 | 28 | 14 | 1 | 9 | 27 | 3 | 2 | o | 0 | 0 | o | 2 |
|  | Grand Total | 212 | 86 | 126 | 120 | 83 | 9 | 38 | 129 | 10 | 18 | 5 | 7 | 2 | o | 3 |

## Appendix I: Games

|  | Activity | Total | HH | NKU | Female | Male | ? | $\begin{aligned} & 18- \\ & 19 \end{aligned}$ | $\begin{aligned} & 20- \\ & 29 \end{aligned}$ | $\begin{gathered} 30- \\ 39 \end{gathered}$ | $\begin{aligned} & 40- \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 59 \end{aligned}$ | $\begin{array}{r} 50- \\ 69 \\ \hline \end{array}$ | $\begin{array}{r} 70- \\ 79 \end{array}$ | 80+ | ? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Checkers | 2 | 2 | o | 1 | 1 | o | o | 1 | o | o | o | 1 | o | o | o |
|  | Tournament Chess | 1 | o | 1 | 1 | o | o | o | 1 | o | o | o | o | o | o | o |
|  | Chess | 4 | 1 | 3 | 1 | 3 | o | 1 | 3 | o | o | o | o | o | o | o |
|  | Monopoly | 12 | 6 | 6 | 4 | 8 | o | 4 | 6 | o | 1 | o | 1 | o | o | o |
|  | Scrabble | 6 | 2 | 4 | 3 | 3 | o | 2 | 4 | o | o | o | o | o | o | o |
|  | Puzzles | 11 | 7 | 4 | 4 | 6 | 1 | 3 | 7 | o | o | o | 1 | o | o | o |
|  | Stratego | 4 | 1 | 3 | 2 | 2 | o | o | 4 | o | o | o | o | o | o | o |
|  | Yahtzee | 2 | o | 2 | 2 | o | o | o | 2 | o | o | o | o | o | o | o |
|  | Total | 42 | 19 | 23 | 18 | 23 | 1 | 10 | 28 | o | 1 | o | 3 | o | o | o |
|  | Bingo | 5 | 3 | 2 | 5 | o | o | o | 2 | o | 1 | o | 1 | o | o | 1 |
|  | Blackjack | 4 | 1 | 3 | 1 | 3 | o | 3 | 1 | o | o | o | o | o | o | o |
|  | Bridge | 2 | 0 | 2 | 0 | 2 | o | o | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | Canasta | 1 | o | 1 | o | 1 | o | o | 1 | o | o | o | o | o | o | 0 |
|  | Euchre | 9 | 3 | 6 | 4 | 4 | 1 | 5 | 2 | o | 1 | o | o | o | o | 1 |
|  | Gin Rummy | 2 | o | 2 | 2 | o | o | o | 2 | o | o | o | o | o | o | 0 |
|  | Hearts | 2 | o | 2 | o | 2 | o | 1 | 1 | o | o | o | o | o | o | 0 |
|  | Pinochle | 1 | o | 1 | 1 | o | o | o | 1 | o | o | o | 0 | 0 | o | o |
|  | Poker | 3 | 1 | 2 | o | 3 | o | 1 | 2 | o | o | o | o | o | o | 0 |
|  | Spades | 1 | 1 | o | o | 1 | o | o | 1 | 0 | o | o | o | o | o | o |
|  | Dominoes | o | o | o | o | o | o | o | o | o | o | o | 0 | 0 | o | 0 |
|  | Mahjong | 4 | 2 | 2 | 2 | 1 | 1 | o | 2 | o | o | 1 | o | o | o | 1 |
|  | Total | 34 | 11 | 23 | 15 | 17 | 2 | 10 | 16 | o | 2 | 2 | 1 | o | o | 3 |
| $\begin{aligned} & \text { y } \\ & \text { \# } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | Corn Hole | 38 | 16 | 22 | 17 | 20 | 1 | 9 | 25 | 1 | o | 1 | o | o | o | 2 |
|  | Croquet | 4 | 2 | 2 | 2 | 2 | o | o | 2 | o | 1 | o | 1 | o | o | o |
|  | $\begin{aligned} & \text { Hide and } \\ & \text { Seek } \end{aligned}$ | 10 | 2 | 8 | 7 | 3 | o | 5 | 4 | o | o | o | 1 | o | o | 0 |
|  | Horseshoes | 1 | 1 | o | o | 1 | o | o | 1 | o | o | o | o | o | o | o |
|  | Lawn Bowling | 5 | 3 | 2 | 1 | 4 | o | o | 5 | o | o | o | o | o | o | 0 |
|  | Ring Toss | 1 | 1 | o | 1 | o | o | o | o | o | o | o | 1 | o | o | o |
|  | Shuffle Board | 2 | 1 | 1 | 1 | 1 | o | 1 | 1 | o | o | o | o | 0 | o | 0 |
|  | Total | 61 | 26 | 35 | 29 | 31 | 1 | 15 | 38 | 1 | 1 | 1 | 3 | o | o | 2 |
| $\begin{aligned} & \text { d } \\ & \text { E } \\ & \text { y } \\ & 0 \\ & \text { E } \\ & 0 \\ & 0 \end{aligned}$ | Lawn Darts | 1 | 1 | o | o | 1 | o | o | 1 | o | o | o | o | o | o | o |
|  | Corn Hole | 18 | 8 | 10 | 8 | 10 | o | 7 | 9 | o | o | o | 1 | 1 | o | o |
|  | Darts | 6 | 3 | 3 | 3 | 3 | o | 1 | 4 | o | o | o | 1 | o | o | o |
|  | Horseshoes | 3 | 2 | 1 | 0 | 3 | o | o | 3 | 0 | 0 | o | o | o | o | 0 |
|  | $\begin{aligned} & \text { Lawn } \\ & \text { Bowling } \end{aligned}$ | 2 | 1 | 1 | 1 | 1 | o | o | 2 | o | o | o | o | o | o | O |
|  | Ring Toss | 2 | 2 | o | 1 | 1 | o | o | o | o | 1 | o | 1 | o | o | o |
|  | Total | 32 | 17 | 15 | 13 | 19 | o | 8 | 19 | o | 1 | o | 3 | 1 | o | o |
|  | Corn Hole | 16 | 6 | 10 | 8 | 7 | 1 | 3 | 11 | o | 2 | 0 | 0 | 0 | o | 0 |
|  | Croquet | 2 | 1 | 1 | 2 | o | o | 1 | o | o | o | o | 1 | o | o | o |
|  | Darts | 3 | 3 | o | 2 | 1 | o | o | 2 | o | o | o | 1 | o | o | o |
|  | Foosball | 3 | 2 | 1 | 1 | 2 | o | 1 | 2 | o | 0 | o | o | o | o | 0 |
|  | Hide and Seek | 10 | 3 | 7 | 6 | 4 | o | 3 | 6 | o | o | o | 1 | o | o | 0 |
|  | Horseshoes | 3 | 2 | 1 | 2 | 1 | o | o | 2 | o | 1 | o | o | o | o | o |
|  | Larping | 4 | 2 | 2 | 2 | 2 | o | o | 4 | o | o | o | o | o | o | 0 |
|  | Laser Tag | 27 | 7 | 20 | 13 | 13 | 1 | 6 | 19 | 1 | 1 | o | o | $\bigcirc$ | o | o |
|  | $\begin{aligned} & \text { Lawn } \\ & \text { Bowling } \end{aligned}$ | 4 | 1 | 3 | 3 | 1 | o | 1 | 1 | 1 | 1 | o | o | o | o | O |
|  | Pool/Billiards | 11 | 3 | 8 | 2 | 8 | 1 | 4 | 7 | o | o | o | o | o | o | o |
|  | Ring Toss | 2 | 2 | o | 2 | o | o | o | o | o | 1 | o | 1 | o | o | o |
|  | Shuffle Board | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o |
|  | Total | 85 | 32 | 53 | 43 | 39 | 3 | 19 | 54 | 2 | 6 | 0 | 4 | 0 | 0 | 0 |
|  | $\begin{aligned} & \hline \hline \text { Grand } \\ & \text { Total } \end{aligned}$ | 254 | 105 | 149 | 118 | 129 | 7 | 62 | 155 | 3 | 11 | 3 | 14 | 1 | o | 5 |


[^0]:    ${ }^{1}$ McCurdy, David W., James P. Spradley, and Dianna J. Shandy. 2004. The Cultural Experience: Ethnography in Complex Society, Second Edition. Prospect Heights, Illinois: Waveland Press.

