## Quick Fects

From the 2006 National Survey
of Fishing, Hunting, and
Wildlife-Associated Recreation


PKAL Workshop - October 2008

## ASSESSING STATISTICAL LITERACY @

 AUGSBURG COLLEGE
## STATISTICAL LITERACY @ AUGSBURG COLLEGE

* Statistical Literacy:
+ Ability to read, write and reason about numbers and statistics in everyday contexts including tables, pie charts, and bar graphs.
* Background:
+ Statistical Literacy for Managers Course
+ Management Information Systems Course
x Methodology:
+ Activity done as a pair for undergraduates ( $n=13$ pairs)
+ Activity done as individuals for MBA students ( $n=11$ students)


## Context:

+ Data Source: 2006 US Census Bureau Survey of Fishing, Hunting and Wildlife Watching.


## READING TABLES OF COUNTS / PERCENTS

## Fishing



Q: Write out a statement comparing the number of days spent Freshwater fishing vs. Saltwater fishing.

## READING TABLES OF COUNTS / PERCENTS



Q: What percentage of Great Lakes anglers fished for perch?

## READING / INTERPRETING PIE CHARTS

## Percent of Anglers by Age Group



Q: What Percentage of Anglers are less than age 35?
Q: What Percentage of Anglers are between 35 and 54?

## READING / INTERPRETING PIE CHARTS

## Percent of Anglers by Age Group



Q: What percentage of 18 to 24 year olds are anglers?

## READING / INTERPRETING PIE CHARTS

Percent of Wildlife Watchers by Age


Q: What is the definition of a wildlife watcher in this pie chart?
Q: What percentage of 35 to 44 year olds are wildlife watchers?
Q: What percentage of wildlife watchers are between $35 \& 44$ yrs of age?

## READING / INTERPRETING BAR CHARTS

## Percent of U.S. Population Who Wildlife Watched by Household Income



Q: What percentage of low income (<\$20k) households are wildlife watchers?
Q: What percentage of those under $\$ 35 \mathrm{k}$ households are wildlife watchers?

## READING / INTERPRETING BAR CHARTS

## Bird Watchers

47.7 million


Q: How many bird watchers participate in that activity both around the home and away from home?

## CONCLUSIONS / DISCUSSION

* This is not rocket science!
+ Reading Tables, Pie Charts and Bar Graphs
+ Writing Statements including \#'s
+ Interpreting Summary Data
* Test it out with your students!
+ Link to Census Brochure:
$\times$ www.census.gov/prod/2008pubs/fhw06-qkfact.pdf
+ Link to 10 item sample survey:
www.StatLit.org/pdf/2008IsaacsonQuestionsPKAL.pdf
+ Questions / Comments?
+ Email address: isaacson@augsburg.edu

