

## STATISTICAL LIIERACY @ AUGSBURG COLLEGE

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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
Methodology:
    Activity done as a pair for undergraduates ( }\textrm{n}=13\mathrm{ pairs)
    Activity done as individuals for MBA students (n = 11 students)
Context:
    Data Source: }2006\mathrm{ US Census Bureau Survey of Fishing, Hunting and
    Wildlife Watching.
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## ASSESSING STATISTICAL LITERACY



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

[^0]Q: Write out a statement comparing the number of days spent Freshwater fishing vs. Saltwater fishing.


## READING TABLES OF COUNTS / PERCENTS





READING / INIERPRETING 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


[^1]

READING / INTERPRETING BAR CHARTS




## CONCLUSIONS / DISCUSSION

$\times$ 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-akfact.pdf
Link to 10 item sample survey:
www.StatLit.org/pdf/2008اsaacsonQuestionsPKAL.pdf
Questions / Comments?
Email address: isaacson@augsburg.edu


[^0]:    In other words: Compare the number 433 versus 86

[^1]:    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?

