

Psyc 470 – Introduction to Chemical Addictions

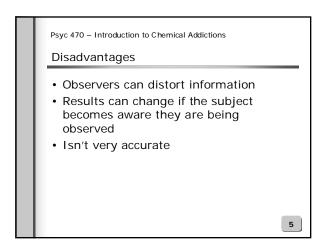
Advantages

- You know the situation is real and not artificially set up.
- Can observe things that may cause the behavior that you cannot do in the lab.
- Can observe things where you cannot do experiments.
- Generally, provides a big picture

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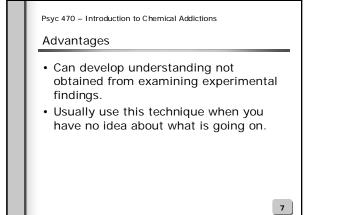
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Case Study

- Is a major investigation of one unit.
 - The unit can be an:
 - Individual
 - University
 - Town
- Generally, is a detailed study of one individual or thing



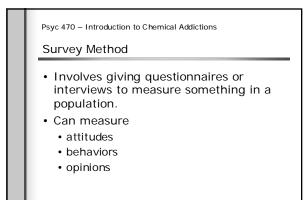
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Disadvantages

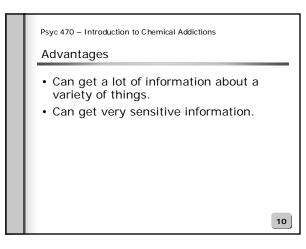
- Can be very inaccurate if done poorly.
- Often gets biases from the person doing the study.

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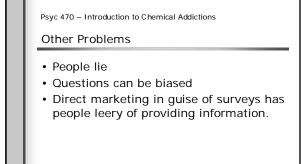
• Can get political pressure to achieve some result.

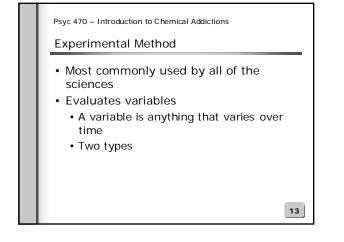


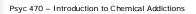
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Psyc 470 – Introduction to Chemical Addictions Disadvantages
 Survey sample must be representative of the population
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Independent Variable

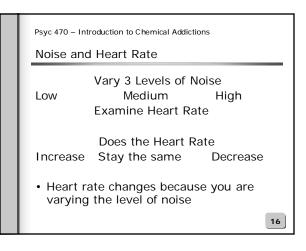
- The variable that is manipulated by the experimenter
 - $\ensuremath{\cdot}$ The amount of money you are given

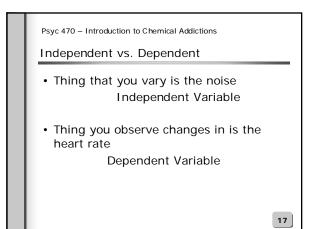
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 The volume of noise that you are presented with

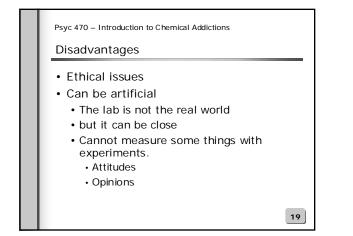
Psyc 470 – Introduction to Chemical Addictions Dependent Variable

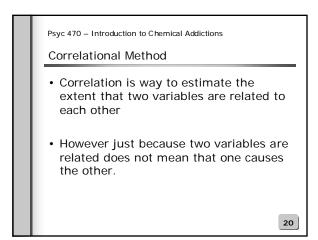
 Is the variable that changes and which you observe

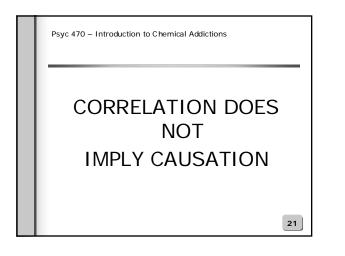


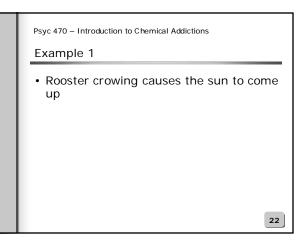


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Advantages	
 Can reach precise conclusions. x causes y to occur. 	
 Can hold lots of extraneous things constant that may influence the outcome of a study. 	
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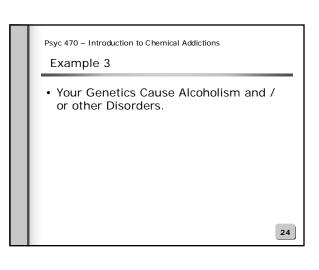


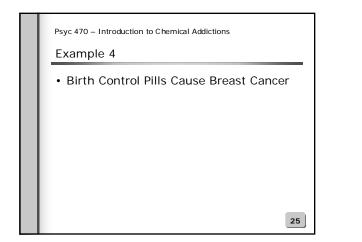


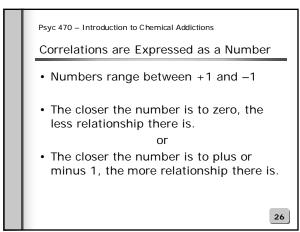


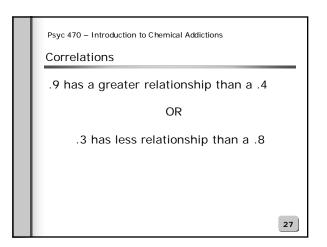


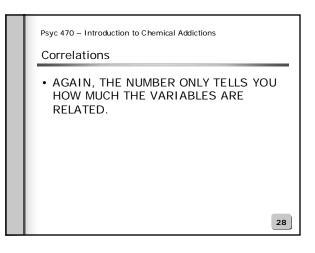
Psyc 470 – Introduction to Chemical Addictions Example 2
Ice Cream and Drowning.
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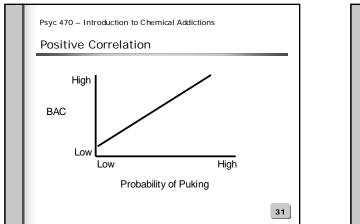


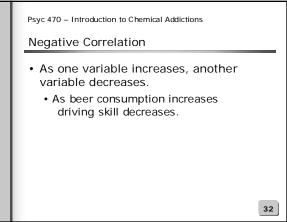


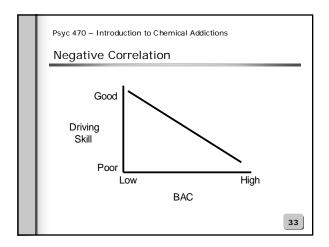
Psyc 470 – Introduction to Chemical Addictions Correlations • SOOOOO • What does the plus or minus sign tell you?

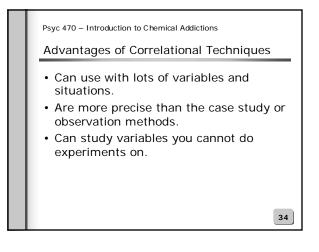
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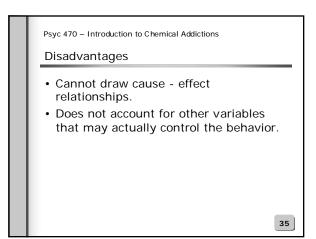
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Positive Correlation
As one variable increases another variable increases.
Drinking beer and probability of puking.
The more beer you drink, the higher the likelihood that you will puke.

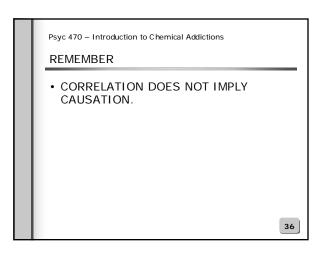












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Conclusions

- Lots of methods
- All have advantages and disadvantages WHEN YOU READ THE PAPER, ASK YOURSELF, WHAT TECHNIQUE DID THEY USE TO DRAW THEIR CONCLUSION
- Often conclusions are drawn based on correlational techniques.