



Definitions:

Science (definition? what did K.P. have to say about it? Research (what's the purpose?) Experimental research Non-experimental research Epidemiology (what is it? what's the purpose? what *doesn't* it cover?) Health terms: epidemic, endemic Political arithmetic Inferential statistics Univariate vs multivariate analyses Internal and external validity Inclusion and exclusion criteria Variance Correlation Random and systematic error Apophenia or patternicity

Variables:

Independent vs. dependent? Nominal, interval, ratio, ordinal Confounding variable Moderator and mediator variables Between-group and within-group variables Binary vs. continuous?

Research methods:

Case study Case report Case series Cross-sectional study Ecological study Case-control study Cohort study

Potpourri:

Hierarchy of scientific evidence (pyramid) John Snow story How to get involved in research? What's a good research question? What's a good question for epidemiology to answer? What's a question that epidemiology is less good at answering? What does it mean to make a variable a "constant"?



