Practical Stats Info for June 2020

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A. Practical Stats Courses
On our online training site: https://practicalstats.teachable.com/

Our Nondetects And Data Analysis (NADA) course is available online. It's a complete coverage of data analysis with nondetects and 'remarked data': summary statistics, regression, group testing, and even some multivariate methods, all without substituting fabricated numbers like ½ the detection limit. One year's access to the materials costs $695. The R scripts included provide new functionality to make data analysis easier, and are a step forward from the NADA package in R.

Our Applied Environmental Statistics courses cover methods from simple statistics through trend analysis. They are also an introduction to using R software, the most widely used statistics software in the world. They are available in two parts, each $650 USD for a 1-year access for one person. Or get both courses together in a bundle for $1200 USD. See our online training site at the link above.

B. Our June Webinar
How Many Observations Are Censored Data Worth?
a Practical Stats webinar
will be available as one of our short "vlog posts" (VIDs) posted on our videos page
https://www.practicalstats.com/videos/
sometime tomorrow (Tuesday June 16, 2020). Because it is not live you can view it at any time afterward that you wish.

Description:
Your dataset has 30 observations, 12 of which are nondetects. How many equivalent observations do you have for the information content possessed in these data? Is it more than just 30 - 12 = 18 detected observations? Other questions that will be answered include:

- Is it true that "nondetects don't tell you much, you might as well drop them from the dataset"?
- Is there a limit of percent nondetects above which it is no longer worth doing statistics (over the years I've heard 20%, 50%, or more)?
- If the detection limit of an observation is (equal to; two times; more??) the highest detected value can I just throw that observation out?

C. August's Webinar/Video
After tomorrow, our next webinar/video will be on August 18th, 2020.
State of The Stats Address: What Can Be Done With Nondetects?

I may livestream this one at 1 pm Eastern, 10 am Pacific and if so the link to join the livestream will be provided in the August newsletter. It will be an overview of everything that you can now do for data with nondetects, including estimating summary statistics, comparing to standards, regression, trend analysis and more, all without substituting values like DL/2 for nondetects. It is an overview of what is available in our Nondetects And Data Analysis training course, located on our Training Site,
https://practicalstats.teachable.com/

Invite the people you know that have no idea of what can be done without fabricating numbers for nondetects to join us.

'Til next time,

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Practical Stats LLC
-- Make sense of your data