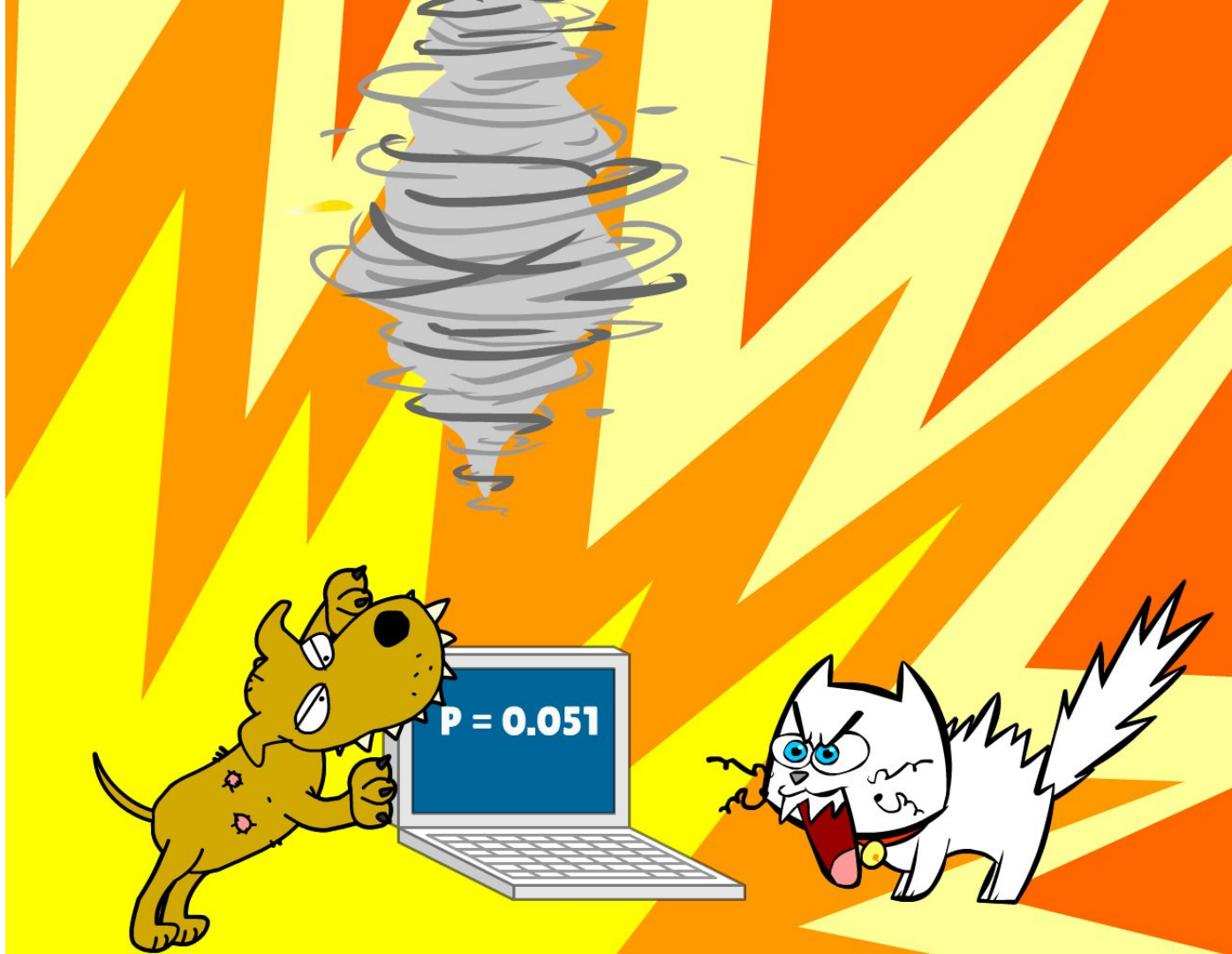


Non-significance

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"YOU MUST BLOW AT LEAST A 23 ON THE 'DRUNK WITH POWER' BREATHALIZER BEFORE THEY'LL PROMOTE YOU TO UPPER MANAGEMENT."

https://www.cartoonstock.com/directory/d/drunk_with_power.asp

- Most important question in the presence of equivocal results: Was the study set up for failure by not being adequately powered
 - Power = the probability of detecting an effect that is truly there
 - sample size increases power
 - size of the true effect increases power
 - lower variance increases power
 - often power / sample size calculations are done prior to conducting a study to set it up for success



Post hoc there's little that can be done about power, other than adding to the study or starting a new one

Post hoc power calculations are known to have serious issues

Critical discussion of the strength of the study is main recourse.