search strategies. What the statistical methodologist can do is these triggering mechanisms explicit. In so doing we would und at last how by carrying out certain experimental procedures, cal models are approximated sufficiently so that—whether one it or not—the limit theorems of statistics are working their

splitting up the inquiry appropriately, the possible irregularities nstrained to be related to known patterns of variability. By learn- about these, we learn about experimental phenomena—about would be expected to happen with certain frequencies whenever xperimental conditions are fulfilled. This is the basis of experien knowledge. Such experimental knowledge resembles what meant by the “experimental purport” of hypotheses. If there is mental knowledge to be had of a phenomenon, then it will be ably by means of these methods. The ability to make successful ons, our success in obtaining experimental knowledge, is ed by the error-statistical properties of our methods. We make ess in experimental knowledge—experimental knowledge—because we have methods that are manifestly adequate for ng from errors.

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