Summary results fabrication

Project title: Validating statistical methods to detect (potential) data fabrication.
 
This study investigates faked research results, as they are usually reported in research papers (e.g., statistical test results). We focus on studying whether faked data can be detected with statistical methods and how valid these methods are in detecting (potentially) problematic data (e.g., the power and the false positive rate). The goal is to become better informed about the validity of these methods and whether these methods are valuable in practice. This study has been approved by the Tilburg University Psychological Ethics Committee [pending approval].
 
To be able to study the detection of faked data, we request the participant to fake research results. Participation takes approximately XX minutes and can be stopped at any time without explanation. If you agree to start the survey, you will have one week to complete it if you want to resume at another time.
 
Your contact information is only used to send an invitation e-mail and will not be connected to your responses. To ensure anonymity, we disabled the logging of your e-mail address or IP-address by Qualtrics when responding to the survey. The data from this study will be made publicly available at the Open Science Framework for as long as possible, such that other researchers can verify and reanalyze the data.Upon completion of the study, you can choose to receive an Amazon gift card ($XX) at the e-mail of your choosing. This gift card will be sent to you on the completion date of the study (i.e., XX XXXX, 2015). The faked research results that were hardest to detect and provided an e-mail, will receive an additional $XXX gift card. After sending out the Amazon gift cards, all e-mail addresses are permanently deleted.
 
If you are willing to participate in this study, agree with the anonymization and storage of the data, please confirm below and continue with the survey. In case you have any remaining concerns or questions about this survey, please feel free to e-mail one of the undersigned.
Thank you,
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* I have read and understood the description and consent to participate in this study and agree with the outlined anonymization procedure and data storage, knowing that I can stop my participation at any time. (1)

In this survey, we request you to fake research results for a set of four anchoring studies (Jacowitz & Kahneman, 1995). The anchoring effect pertains to the effect where a response to a question is dependent on the anchor provided within this question (e.g., "There are less than [500 or 1,000] countries. How many countries are there?").    
 
Below, a download link is included for the template file in which you have to fill in your faked research results for four anchoring studies, each containing 100 participants. We specifically request you to fake group sizes, means and standard deviations across conditions and gender. The template provides you with the test statistics that would be a result of the filled in results, which are displayed when all group sizes, means, and standard deviations are filled in. Note that each study is contained in a separate sheet of the template file, which can be found at the bottom of the window (i.e., "Study 1" through "Study 4"). 
 
The expectations the faked results are to confirm are:
1. There is a main effect of anchor condition.
2. There is no main effect of gender.
3. There is no interaction effect between gender and condition.
4. The conditions are randomly assigned.The method of faking research results is up to you, as long as the results are filled in in the given template.

Please save your filled in version of the template file and upload it with the option below.

In order to further the understanding of how researchers might fake research results, we would like to ask you a few questions on your statistical knowledge and how you faked the research results for the four anchoring studies.

How would you qualify your current knowledge of statistical methods?

* Extremely poor (1)
* (2)
* (3)
* (4)
* Reasonable (5)
* (6)
* (7)
* (8)
* Excellent (9)

Which statistical analysis programs do you frequently use (multiple answers possible)?

* SPSS (1)
* R (2)
* Stata (3)
* SAS (4)
* Matlab (5)
* Other (6)

Please describe freely how you fabricated the research results for the four anchoring studies. This includes anything that comes to mind and can be as detailed as you like.

Did you simulate data for fabricating the results of at least one of the anchoring studies?

* Yes (1)
* No (2)

Did you fabricate an entire dataset for at least one of the anchoring studies?

* Yes (1)
* No (2)

Did you use trial-and-error in fabricating the results, such that the wanted result was achieved?

* Yes (1)
* No (2)

Do you have any further remarks regarding the fabrication of the research results in one or more of the anchoring studies?