\*\*masterP\*\*

*Possible title 1:* Statistical Heaven Does not Exist: Why Non-Significant Results Matter

*Possible title 2:* Significant meta-level results with non-significant individual results

Possible title 3:

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WORD COUNT: XXXX words

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**Abstract**

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*Keywords:* p-value, significance, underpowered, effect size, fisher

**TITLE**

* Short history on the debate in psychological science
  + Differentiate between theoretical context (content that is being translated to hypotheses) and statistical context (the results of the hypotheses being tested)
* Why a more optimistic view can be taken of non-significant studies
  + Statistical heaven is not true
    - Confirmation bias (Rosenthal, 1964)
  + Researchers are human and lack randomness of mind — statistics uses probability and if humans cannot see such probabilities properly (Wason task; Monte Hall problem) than they should not be allowed to filter the probabilistic resul
* Talk about α and β error control (Fiedler 2012)
  + We focus on β error control and try to show that α error control is non-vital in practical research (very important in theoretical research on methods, i.e., specificity of tests)
    - More specific hypotheses
* Lack of power in psychological science throughout the last decades

Method

Results

Discussion

* Recommendations