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**As Predicted:***"Individual Differences in Receptivity to Scientific Bullshit: Study 1"* (#3979)

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**1) Have any data been collected for this study already?**  
No, no data have been collected for this study yet  
  
**2) What's the main question being asked or hypothesis being tested in this study?**  
Our first question is whether pseudo profound bullshit receptivity (PPBR) correlates with scientific bullshit receptivity (SBR). Our second question is how do political orientation and belief in science correlate with different types of bullshit receptivity.  
Our five main hypotheses are: 1) conservatism (social, fiscal, and belief in free market) is positively correlated with PPBR, 2) conservatism (social, fiscal, and belief in free market) is negatively correlated with SBR, 3) belief in science is positively correlated with SBR, 4) belief in science is negatively correlated with PPBR and 5) consequentially, PPBR is negatively correlated with SBR.  
  
**3) Describe the key dependent variable(s) specifying how they will be measured.**  
Our two key dependent variables are PPBR and SBR. We will measure them with two separate scales, namely scientific bullshit receptivity scale (a new measure) and pseudo-profound bullshit receptivity scale (Pennycook et al., 2015).  
  
**4) How many and which conditions will participants be assigned to?**  
We will measure the following variables:  
1) political orientation in three different dimensions (social conservatism, fiscal conservatism and free market belief). Social and fiscal conservatism will be measured with SECS – Social and Economic Conservatism Scale (Everett, 2013), while free market belief will be measured with Free Market Belief Scale (Heath & Gifford, 2006);  
2) belief in science, which will be measured with Belief in Science Scale (Farias, Newheiser, Kahane & Toledo, 2013).  
  
**5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.**  
All of the hypotheses will be tested with correlations.  
  
**6) Any secondary analyses?**  
We do not predict to use any secondary analyses.  
  
**7) How many observations will be collected or what will determine sample size?  
No need to justify decision, but be precise about exactly how the number will be determined.**  
We determined the needed sample size by computing it based on expected coefficients. Our calculation with α = 0.05, β = 0.2 (80% statistical power) and r = 0.15 resulted in expected sample size of 343 participants.  
  
**8) Anything else you would like to pre-register?  
(e.g., data exclusions, variables collected for exploratory purposes, unusual analyses planned?)**  
For exploratory purposes, we will also include demographics, political trust, and political identity items.