Open Science



Access to: Publications, Data, Materials.

Access to: Peer review, educational resources, open source software.

Gold Open Access Green Open Access SCI-HUB

...to remove all barriers in the way of science



Search - Publisher copyright policies & self-archiving

One journal found when searched for: journal of experimental social psychology

Journal:	Journal of Experimental Social Psychology (ISSN		
RoMEO:	This is a RoMEO green journal		
Paid OA:	A paid open access option is available for this journal.		
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)		
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General Conditions:			

Pre-print allowed on any website or open access report

Sharing data after publication will make science more reproducible.

Data storage is not organized through laws, but through regulations.

Dutch Association of Universities requires storing data for 10 years

Data should be made available upon request*

*If legally possible

If your department has no central rules, data storage is your own responsibility.

Add comments to code

```
#RT SEMANTIC ANALYSIS----
DATA_RT_MAIN<-subset(data_long_clean, TASK == ''
#2x2x2 ANOVA RT MAIN TASK
results<-ezanova(DATA_RT_MAIN, dv=.(DV), wid=.(
#Descriptives for all conditions
ezStats(DATA_RT_MAIN, dv=.(DV), wid=.(PPNR), be
#Descriptives for main effect SOA
ezStats(DATA_RT_REDGREEN, dv=.(DV), wid=.(PPNR)
```

Add names to data

PPNR	GROUP	RT_MAIN_HAND_52	RT_MAIN_FOOT_52	RT_MAIN_HAND_332	RT_MAIN_FOOT_332	RT_I
1,00	control	488,08	472,84	274,98	258,90	
2,00	control	410,96	405,40	250,24	234,09	
3,00	control	446,82	449,53	267,11	260,81	
4,00	control	417,09	403,68	261,43	267,46	
5,00	control	451,38	420,43	235,93	223,25	
6,00	control	443,97	411,29	300,74	283,41	
7,00	control	511,61	507,79	399,27	383,76	
8,00	control	528,86	497,56	370,22	290,16	
9,00	control	374,80	346,45	269,67	262,00	
40.00		171 71	110 00	040.70	204.50	

RAW DATA

ANALYTIC DATA

RESULTS

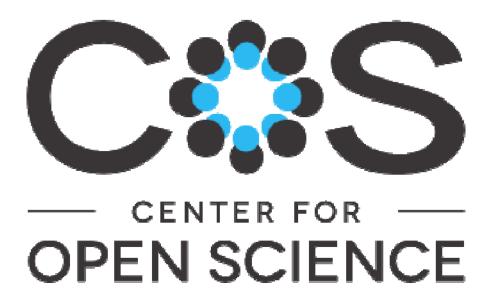
FIGURES

TABLES

"PLOS journals require authors to make all data underlying the findings described in their manuscript fully available without restriction, with rare exception." PLOS ONE

Many science funders will require data management plans

3TU.Datacentrum

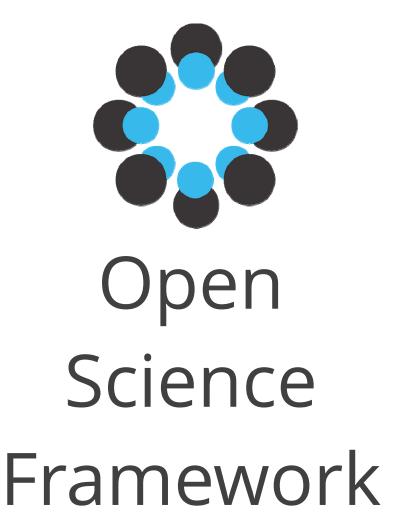








Sharing materials after publication will make science more efficient.



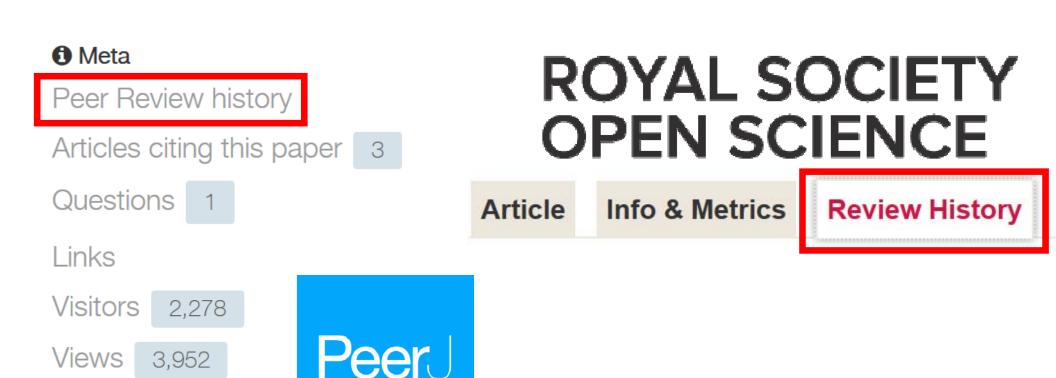
Study 2 OSF Storage Raw_data.sav Sound_material_loud.wav Sound_material_soft.wav Study 3 OSF Storage EXP3_Raw.sav FinalQuestionnaire.pdf

Pre-registration_Study_3.pdf



Opening the peer review process will make science more transparent.

Open Peer Review



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Using open source software will make data and analyses more accessible.



Transparency: Disclose conflicts of interest.

When personal interests potentially compromise scientific objectivity.

Tabacco industry casting doubt on how smoking causes cancer. "No conclusive proof"

Sci Eng Ethics (2007) 13:437–461 DOI 10.1007/s11948-007-9042-5

ORIGINAL PAPER

The Perverse Effects of Competition on Scientists' Work and Relationships

Melissa S. Anderson · Emily A. Ronning · Raymond De Vries · Brian C. Martinson

Abstract Competition among scientists for funding, positions and pre other things, is often seen as a salutary driving force in U.S. science.

Technology makes Open Science possible.

Practice Open Science if required, or if it meets your norms and goals.