

JASA A&CS Reproducibility Initiative - Author Contributions Checklist Form

Causal Interaction in Factorial Experiments: Application to Conjoint Analysis

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The purpose of the Author Contributions Checklist (ACC) Form is to document the code and data supporting a manuscript, and describe how to reproduce its main results.

As of Sept. 1, 2016, the ACC Form must be included with all new submissions to JASA A&CS.

This document is the initial version of the template that will be provided to authors. The JASA Associate Editors for Reproducibility will update this document with more detailed instructions and information about best practices for many of the listed requirements over time.

Title of the paper

“Causal Interaction in Factorial Experiments: Application to Conjoint Analysis.”

Data

Abstract (Mandatory)

The data set comes from a conjoint analysis conducted to study coethnic voting in Uganda (Carlson 2015). The survey was administered to 544 respondents where each respondent was shown the description of three pairs of hypothetical presidential candidates and was asked to vote for one of the candidates within each pair. Since four respondents evaluated only one pair and eight evaluated two pairs, the data set contains a total of 3232 observations. These hypothetical candidates are characterized by a total of four factors, Coethnicity (2 levels), Record (7 levels), Platform (3 levels), and Degree (2 levels).

Reference

Carlson, E. (2015). Ethnic voting and accountability in Africa: A choice experiment in Uganda. *World Politics* 67, 02, 353–385.

Availability (Mandatory)

No Restrictions. Data will be publicly available.

Description (Mandatory if data available)

File format: Rdata

Licensing: data can be freely used so long as a proper credit to the original study is given

Code

Abstract (Mandatory)

The replication archive contains the source code of an R package that implements the proposed method and an R file that reproduces all tables, figures and estimates reported in the paper as well as the data set analyzed.

Description (Mandatory)

The main functions will be submitted as R package.

Licensing information: GPU

Link to code/repository : <https://cran.r-project.org/web/packages/FindIt/index.html>

Version information : FindIt ver 1.1.1

Instructions for Use

Reproducibility (Mandatory)

1. Open R and set the working directory to the folder which contains the data file Carson.RData
2. Execute the following command:
`source("ReplicationFile_Conjoint_JASA.R")`