**JASA ACS Reproducibility Initiative - Author Contributions Checklist Form**

The purpose of the Author Contributions Checklist (ACC) Form is to document the artifacts associated with a manuscript (e.g., code and data supporting the computational findings), and describe how to reproduce the findings. The final version of this document will be included as online supplemental material with the published paper and referenced in the abstract.

As of Sept. 1, 2016, the ACC Form must be included with all submissions to JASA ACS.

This document is the template that will be provided to authors; please replace the (non-bold) text below that provides guidance on how to fill out each item with the actual information for your manuscript.

## Data

**Abstract (Mandatory)**

The R scripts used to simulate the data for the simulation studies in Section 4 are provided along with the code for each of the methods being compared. The data used for the two real data analyses in Section 5 are publicly available. The first dataset from the Nurse Family Partnership program is provided by one of the authors of the manuscript (David Olds). The second dataset from the Study to Understand Prognoses Preferences Outcomes and Risks of Treatment (SUPPORT) is publicly available from the Vanderbilt University Department of Biostatistics website.

**Availability (Mandatory)**

Both real datasets have been uploaded to my GitHub repository which also hosts the R package. They can be downloaded directly from the public GitHub repository.

**Description (Mandatory if data available)**

The datasets are available at <https://github.com/sahirbhatnagar/sail/tree/jasa/manuscript/raw_data>

1. Nurse Family Partnership program data consists of three files. They are merged together using the script <https://github.com/sahirbhatnagar/sail/blob/jasa/manuscript/bin/PRS_bootstrap.R>

* [Gen\_3PC\_scores.txt](https://github.com/sahirbhatnagar/sail/blob/jasa/manuscript/raw_data/Gen_3PC_scores.txt)
* [IQ\_and\_mental\_development\_variables\_for\_Sahir\_with\_study\_ID.txt](https://github.com/sahirbhatnagar/sail/blob/jasa/manuscript/raw_data/IQ_and_mental_development_variables_for_Sahir_with_study_ID.txt)
* [NFP\_170614\_INFO08\_nodup\_hard09\_noambi\_GWAS\_EduYears\_Pooled\_beta\_withaf\_5000pruned\_noambi\_16Jan2018.score](https://github.com/sahirbhatnagar/sail/blob/jasa/manuscript/raw_data/NFP_170614_INFO08_nodup_hard09_noambi_GWAS_EduYears_Pooled_beta_withaf_5000pruned_noambi_16Jan2018.score)

2. The SUPPORT data consists of a single file:

* <https://github.com/sahirbhatnagar/sail/blob/jasa/manuscript/raw_data/support2.csv>

All datasets are in .txt format. Code used to read in the datasets are provided in the section below. All output from this project published online is available according to the conditions of the Creative Commons License (https://creativecommons.org/licenses/by-nc-sa/2.0/)

Code

**Abstract (Mandatory)**

Short high level description

**Description (Mandatory)**

* How delivered (R package, Python package, Shiny app, etc.)
* Licensing information (default is MIT License)
* Link to code/repository (e.g., *github.com*, *bitbucket.org*; this need not be the actual link at time of submission but if not, it should indicate where the code will be deposited if the manuscript is accepted)
* Version information (e.g., for a Git repository, the number or branch+commit)
* Supporting software requirements (e.g., libraries and dependencies, including version numbers for R and Python packages)

**Optional Information (complete as necessary)**

* Hardware requirements (e.g., operating system with version number, access to cluster, GPUs, etc.)
* Unique identifier/DOI

## Instructions for Use

**Reproducibility (Mandatory)**

* What is to be reproduced (e.g., "All tables and figure from paper", "Tables 1-4”, etc.)
* How to reproduce analyses (e.g., workflow information, makefile, master script, wrapper scripts)
* Expected run-time of the workflow (and information about particularly slow steps in workflow, if any). If possible, give the approximate time to run on a standard desktop machine.

**Replication (Optional)**

How to use software in other settings (or links to such information, e.g., R package vignettes, demos or other examples)

## Notes

Other relevant information, in particular how reviewers can access the data and code if not yet made publicly available.