

Verification Plan for Shared Data Cleaning

March 17, 2021

Project directory: `correlates_reporting/data_clean`

Specifications: TBD

Other Background Information: N/A

Verification Sign-Off

Role	Name	Signature	Date
Manager	Dr. Peter Gilbert		
Specifier/Programmer	Dr. Youyi Fong		
Programmer	Dr. David Benkeser		
Programmer	Nima Hejazi		
Tester	Ellis Hughes		

Verification Procedure

Verification for the shared cleaned data generated in support of the CoVPN correlates reporting will be based on a risk based approach. Risk of this data is high as it is shared across all the report elements. As such, it will go through independent double programming for verification. The data output will be verified by someone other than the original programmer (the tester).

For independent double programming, the tester will independently generate the same the data set based on the specifications. For verification the tester will programmatically compare the all the data generated against the data generated by the original programmer to confirm they contain the same values. The tester will document the results of the comparison in a results pdf for sign off.

Mock data used in the verification can be found in the `data_raw` folder of this repository, available at https://github.com/CoVPN/correlates_reporting. Any use of this code outside of the mock data is not guaranteed and is subject to additional verification.

Verification Assignments

The verification results will be contained in `verification_results.pdf`, where the results of the independent verification will be reported. It will contain a table that lists the Plot, the original source code filename, the verification code filename, the results of the visual comparison, and the date the testing is completed.