Verification Report: data_clean

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Description

This is the verification report for the `data_clean` folder of the `correlates_reporting` project for CoVPN.

In this document, the output of `make_data_proc.R` is compared against the output of `process_data_raw.R`. The two scripts use the same base mock data. The two datasets generated by each of the two scripts will be compared with each other to confirm they contain the same values.

`process_data_raw.R` was independently double programmed based on the specifications found in `dat_clean_specifications.pdf`. This script outputs its processing to `data_clean/verification/verification_output/data_clean_verification_output.csv`

The file `data_clean/verification/verification_input/practice_data.csv` was provided by the original programmer to the tester for verification purposes of `make_data_proc.R` when all time points are available.s Its md5 hash is 8984a73909ada5c5271cbc330622bbd1.

The file `data_clean/verification/verification_input/practice_data_wo29.csv` was provided by the original programmer to the tester for verification purposes of `make_data_proc.R` when only baseline and Day 57 were available. Its md5 hash is 0cf44e1c6799c916e3cfb30b22e779df.

The file `data_clean/verification/verification_output/data_clean_verification_output.csv` was created by the tester for verification using the `process_data_Raw.R` script and using all time points available. Its md5 hash is e2b6754d9a215db1b2a056e615cdadea.

The file `data_clean/verification/verification_output/data_clean_verification_output_no_d29.csv` was created by the tester for verification using the `process_data_Raw.R` script and using only the time points Baseline and Day 57. Its md5 hash is d1cec040287a30ac4527e7adf1911f9e.

Load Data

```
original_data <- read_csv(
  here("data_clean/verification/verification_input","practice_data.csv"),
  guess_max = 30000)

original_data_no_d29 <- read_csv(
  here("data_clean/verification/verification_input","practice_data_wo29.csv"),
  guess_max = 30000)

verification_data <- read_csv(
  here("data_clean/verification/verification_output/data_clean_verification_output.csv"),
  guess_max = 30000)

verification_data_no_d29 <- read_csv(
  here("data_clean/verification/verification_output/data_clean_verification_output_no_D29.csv"),
  guess_max = 30000)
```

Verification

```
data_clean_comparison <- compare_datasets(
  cols =  colnames(original_data), index = "Ptid",
  ds1 = original_data, ds2 = verification_data
)
```

```
## There are 0 mismatched fields of 103.
```

```
data_clean_comparison_no_d29 <- compare_datasets(
  cols = colnames(original_data_no_d29), index = "Ptid",
  ds1 = original_data_no_d29, ds2 = verification_data_no_d29
)
```

```
## There are 0 mismatched fields of 89.
```

Output of `make_data_proc.R` is equivalent to the output of `process_data_raw.R` for cases when all time points are available. Output of `make_data_proc.R` is equivalent to the output of `process_data_raw.R` for cases when only Baseline and Day 57 are available. `make_data_proc.R` passes verification.

Signatures

Role	Name	Signature	Date
Tester	Ellis Hughes		