Replication of OHDSI study: Estimation

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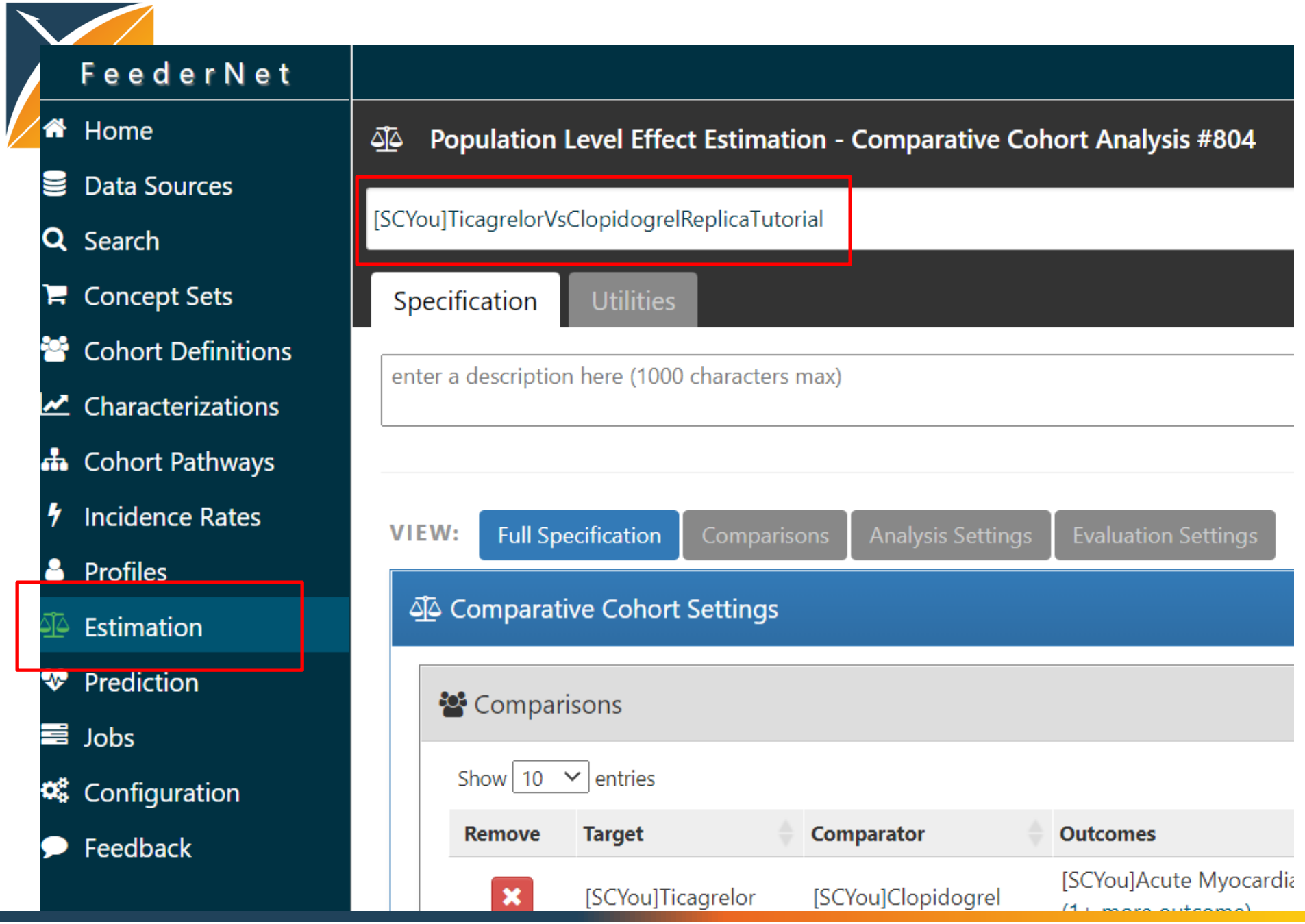
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Population Level Effect Estimation - Comparative Cohort Analysis #804
[SCYou]TicagrelorVsClopidogrelReplicaTutorial
Specification
Utilities
enter a description here (1000 characters max)
VIEW:
Full Specification
Comparisons
Analysis Settings
Evaluation Settings
Comparative Cohort Settings
Comparisons
Show 10 entries
Remove
Target
Comparator
Outcomes
[SCYou]Ticagrelor
[SCYou]Clopidogrel
[SCYou]Acute Myocardia

Comparison

Add or update the target, comparator, outcome(s) cohorts and negative control outcomes

Choose your target cohort:

[SCYou]Ticagrelor

Choose your comparator cohort:

[SCYou]Clopidogrel

Choose your outcome cohorts:

Add Outcome

Show 10 entries

ID	Name
2574	[SCYou]Acute Myocardial Infarction
2575	[SCYou]GI bleeding

Showing 1 to 2 of 2 entries

Choose your negative control outcomes:

[SCYou]Negative controls-TicagrelorVsClopidogrel

Description	Time At Risk Start	Time At Risk End	Minimum Time At Risk	Adjustment Strategy	Outcome Model
On-treatment: PS stratification	1d from cohort start date	0d from cohort end date	1d	Stratification (stratum: 5)	cox
On-treatment. 1-to-1 matching	1d from cohort start date	0d from cohort end date	1d	1:1 matching	cox
ITT: PS stratification	1d from cohort start date	365d from cohort start date	1d	Stratification (stratum: 5)	cox
ITT. 1-to-1 matching	1d from cohort start date	365d from cohort start date	1d	1:1 matching	cox
ITT(30-day blank): PS stratification	30d from cohort start date	365d from cohort start date	1d	Stratification (stratum: 5)	cox
ITT(30-day blank). 1-to-1 matching	30d from cohort start date	365d from cohort start date	1d	1:1 matching	cox

Should only the first exposure per subject be included?

No

Remove subjects that are in both the target and comparator cohort?

Keep First

Restrict the analysis to the period when both exposures are observed?

Yes

The mininum required continuous observation time prior to index date for a person to be included in the cohort.

0

If either the target or the comparator cohort is larger than this number it will be sampled to this size. (0 for this value in

0

Remove subjects that have the outcome prior to the risk window start?

Yes

How many days should we look back when identifying prior outcomes?

99999

If a subject is in multiple cohorts, should time-at-risk be censored when the new time-at-risk start to prevent overlap?

No

Covariate Settings

Using OHDSI covariates for propensity score model. (Click to view details)

What concepts do you want to **include** in baseline covariates in the propensity score model? (Leave blank if you want to include everything)

Should descendant concepts be added to the list of included concepts?

No

What concepts do you want to **exclude** in baseline covariates in the propensity score model? (Leave blank if you want to include everything)

[SCYou]Ticagrelor,Clopidogrel

Should descendant concepts be added to the list of excluded concepts?

Yes

A comma delimited list of covariate IDs that should be restricted to:

Time At Risk

Define the time-at-risk window start, relative to

1 days from cohort start date

Define the time-at-risk window end:

365 days from cohort start date

The minimum number of days at risk?

1

How do you want to trim your cohorts based on the propensity score distribution?

None

Do you want to perform matching or stratification?

Match on propensity score

What is the maximum number of persons in the comparator arm to be matched to each person in the target target person):

1

What is the caliper for matching:

0.2

What is the caliper scale:

Standardized Logit

What is the maximum number of people to include in the propensity score model when fitting? Setting this n

250000

Test each covariate for correlation with the target assignment? If any covariate has an unusually high correlati

No

If an error occurs, should the function stop? Else, the two cohorts will be assumed to be perfectly separable.

No

Specify the statistical model used to estimate the risk of outcome between target and comparator cohorts:

Cox proportional hazards

Should the regression be conditioned on the strata defined in the population object (e.g. by matching or stratifying on propensity scores)?

No

Whether to use the covariate matrix in the cohortMethodDataObject in the outcome model.

No

Use inverse probability of treatment weighting?

No

On-treatment

Time At Risk

Define the time-at-risk window start, relative to target/comparator cohort entry:

1 days from cohort start date

Define the time-at-risk window end:

0 days from cohort end date

The minimum number of days at risk?

1

PS stratification

Propensity Score Adjustment

How do you want to trim your cohorts based on the propensity score distribution?

None

Do you want to perform matching or stratification?

Stratify on propensity score

Into how many strata should the propensity score be divided? The boundaries of the strata are automatically defined to contain equal numbers of target persons:

5

What is the base selection of subjects where the strata bounds are to be determined? Strata are defined as equally-sized strata inside this selection.

All

What is the maximum number of people to include in the propensity score model when fitting? Setting this number to 0 means no down-sampling will be applied:

250000

Test each covariate for correlation with the target assignment? If any covariate has an unusually high correlation (either positive or negative), this will throw an error.

No

If an error occurs, should the function stop? Else, the two cohorts will be assumed to be perfectly separable.

No