Analyzing the capacity of the colBiSBM to recover structure for missing data from other networks

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## Le chargement a nécessité le package : ggplot2

## Le chargement a nécessité le package : tidyverse

## -- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
## v dplyr     1.1.2     v readr     2.1.4
## v forcats   1.0.0     v stringr   1.5.0
## v lubridate 1.9.2     v tibble    3.2.1
## v purrr     1.0.1     v tidyr     1.3.0
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

## `summarise()` has grouped output by 'prop_NAs'. You can override using the
## `.groups` argument.
```

Contexte des simulations

The idea is to benchmark the capacity of the models when NAs are in the data.

To do this, whe choose the below structure: ! PARAMETERS OF THE SIMULATION !

And set some randomly chosen interactions to NA. The below plots will show the different quality indicators in function of proportion of NAs in the first of the 3 networks.
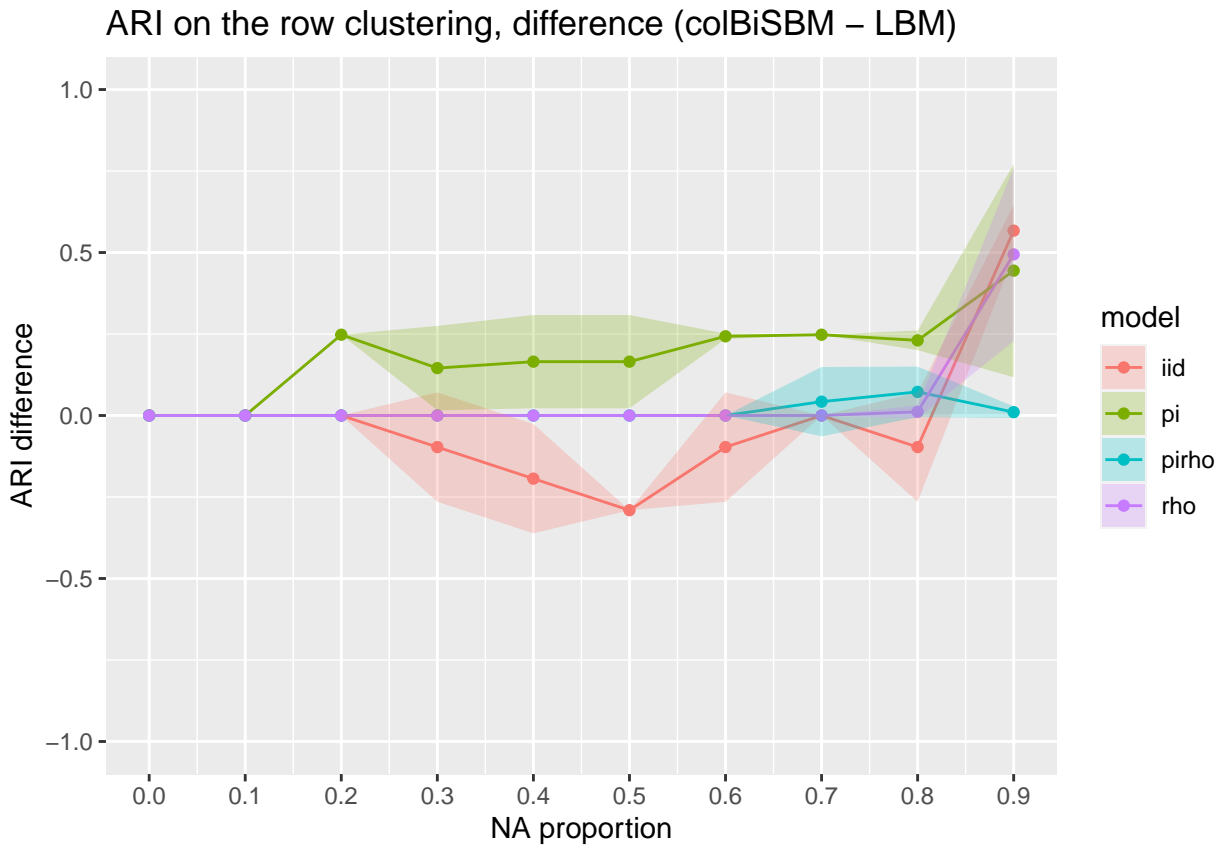
AUC in function of the proportion of NAs
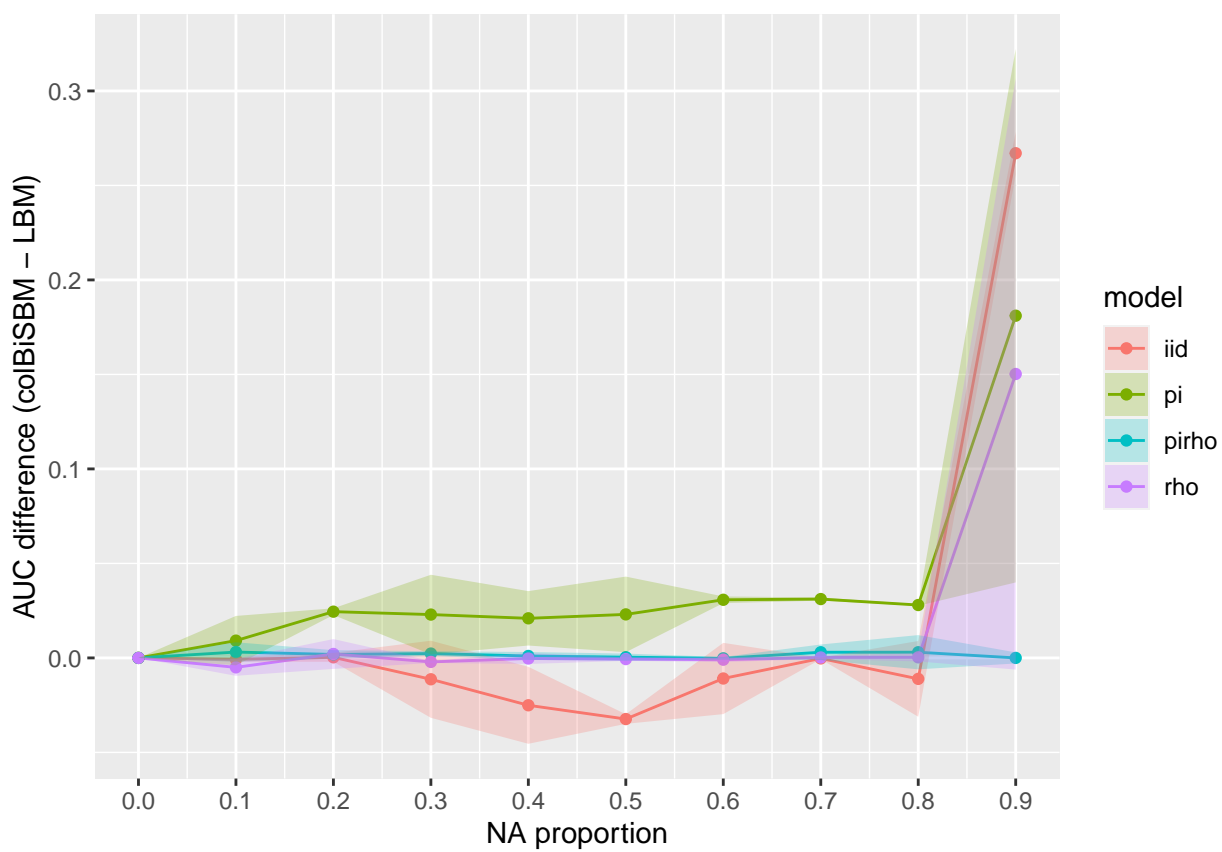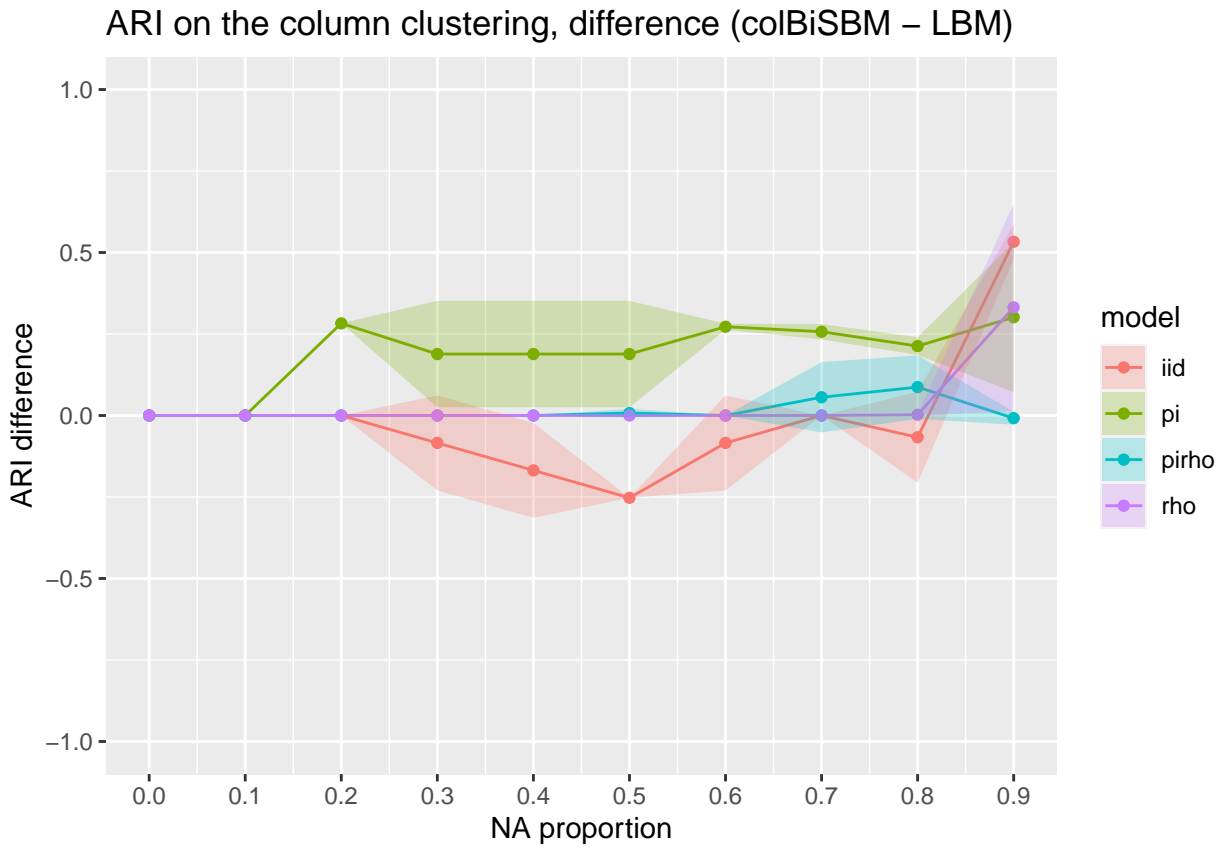
Figure 1: Difference of ARI for the row clusterings

Figure 2: Difference of ARI for the columns clusterings