setupNotebook

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1 Setting up required R packages

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This notebook is to make sure that you can use the notebooks we provide. In particular, you need to have the following packages installed. You can execute the following code by pressing Shift + Enter.

```
In [1]: library(CondIndTests)
        library(ppcor)
        library(dHSIC)
        library(seqICP)
        library(InvariantCausalPrediction)
        library(MASS)
        library(mgcv)
        library(AER)
        library(igraph)
        library(hash)
        show("You're all set!")
```

```
Loading required package: MASS
Warning message:
package InvariantCausalPrediction was built under R version 3.4.4Loading required package: glm
Loading required package: Matrix
Loading required package: foreach
Warning message:
package foreach was built under R version 3.4.3Loaded glmnet 2.0-10

Loading required package: mboost
Loading required package: parallel
Loading required package: stabs
This is mboost 2.8-1. See package?mboost and news(package  = "mboost")
for a complete list of changes.

Loading required package: nlme
This is mgcv 1.8-17. For overview type 'help("mgcv-package")'.
Loading required package: car
Loading required package: lmtest
```

```
Loading required package: zoo

Attaching package: zoo

The following objects are masked from package:base:

    as.Date, as.Date.numeric

Loading required package: sandwich
Loading required package: survival

Attaching package: igraph

The following objects are masked from package:stats:

    decompose, spectrum

The following object is masked from package:base:

    union

hash-2.2.6 provided by Decision Patterns


[1] "You're all set!"
```

If the above code produced an error this means you are missing a package. You can install these directly from within this notebook. Just uncomment the required line in the following code.

```
In [ ]: #install.packages("CondIndTests")
        #install.packages("ppcor")
        #install.packages("dHSIC")
        #install.packages("seqICP")
        #install.packages("InvariantCausalPrediction")
        #install.packages("MASS")
        #install.packages("mgcv")
        #install.packages("AER")
        #install.packages("igraph")
```

Don't worry if you are not able to install the package igraph. It is known to cause problems with mac computers and is not essential for our notebooks.