HW9

2023-10-21

rm(list = ls())  
set.seed(1)  
library(FrF2)

## Loading required package: DoE.base

## Loading required package: grid

## Loading required package: conf.design

## Registered S3 method overwritten by 'DoE.base':  
## method from   
## factorize.factor conf.design

##   
## Attaching package: 'DoE.base'

## The following objects are masked from 'package:stats':  
##   
## aov, lm

## The following object is masked from 'package:graphics':  
##   
## plot.design

## The following object is masked from 'package:base':  
##   
## lengths

house <- FrF2(nruns = 16, nfactors = 10)  
house

## A B C D E F G H J K  
## 1 -1 -1 -1 1 1 1 1 -1 1 -1  
## 2 1 1 -1 -1 1 -1 -1 -1 1 1  
## 3 -1 1 1 -1 -1 -1 1 1 -1 1  
## 4 -1 -1 -1 -1 1 1 1 1 -1 1  
## 5 1 -1 -1 -1 -1 -1 1 -1 -1 -1  
## 6 1 -1 1 1 -1 1 -1 1 -1 -1  
## 7 1 1 -1 1 1 -1 -1 1 -1 -1  
## 8 -1 1 -1 -1 -1 1 -1 1 1 -1  
## 9 -1 -1 1 1 1 -1 -1 -1 -1 1  
## 10 -1 -1 1 -1 1 -1 -1 1 1 -1  
## 11 -1 1 -1 1 -1 1 -1 -1 -1 1  
## 12 1 -1 -1 1 -1 -1 1 1 1 1  
## 13 1 -1 1 -1 -1 1 -1 -1 1 1  
## 14 -1 1 1 1 -1 -1 1 -1 1 -1  
## 15 1 1 1 1 1 1 1 1 1 1  
## 16 1 1 1 -1 1 1 1 -1 -1 -1  
## class=design, type= FrF2