```
#Test script for workshop
```

Initialize

```
library(knitr)
#knitr::spin("test.r")
library(dae)

## Loading required package: ggplot2

packageVersion("dae")

## [1] '3.1.12'
library(od)
packageVersion("od")

## [1] '2.0.0'
b <- 5
t <- 5</pre>
```

Construct a systematic layout and obtain the randomized layout for an RCBD

Plot the layout

Get the anatomy of the layout

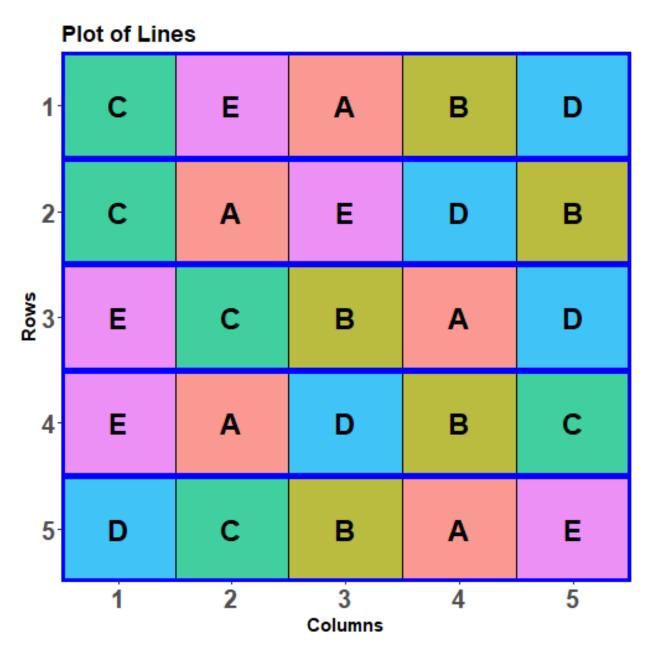


Figure 1: plot of chunk unnamed-chunk-4

```
## Columns[Rows] 20 Lines 4 1.0000 1.0000 1
## Residual 16
```

Use od to get an optimal row-column design

Plot the layout

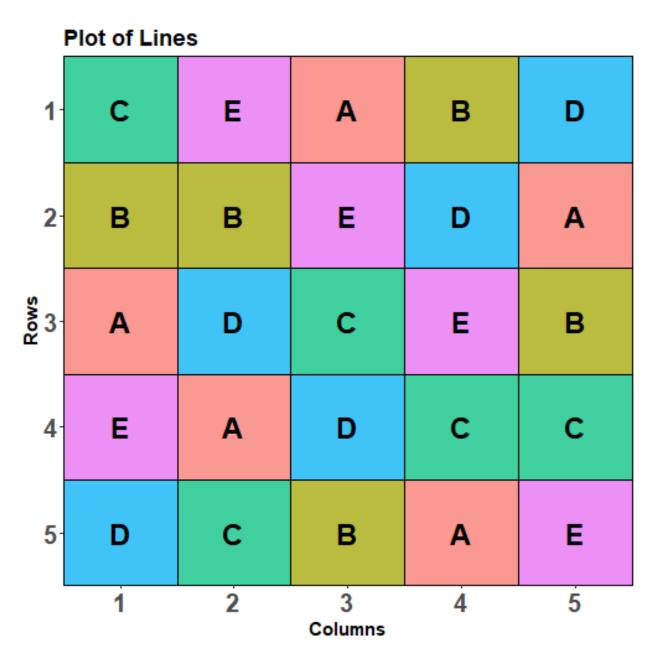


Figure 2: plot of chunk unnamed-chunk-7