Examples

Examples R package

Install R Package

```
# setwd("C:/Users/mbofi/Dropbox/CeMSIIS/GitHub/ewhorm_sim/rpkg")
install.packages('C:/Users/mbofi/Dropbox/CeMSIIS/GitHub/ewhorm_sim/ewhorm_0.1.tar.gz',repolibrary(ewhorm)
```

Simulate data

```
treat recruit_time
         y_6m
                    y_12m
1 -0.53139934 0.35453665 Placebo
                                            4
  0.05556132 -0.07613965
                             High
3 -2.16353049 -0.46860407 Medium
                                            9
                                            4
4 -0.42822239 0.78068245
                              Low
5 -1.35028541 -0.43646163
                              Low
6 0.06814993 0.28519301
                              Low
  0.27439431 -0.73811365
7
                                            1
                              Low
8 0.16952060 -0.09384885 Placebo
                                             1
                                            5
  1.05579968 -2.01543372
                              Low
10 1.74841645 -1.17738823 Medium
                                             6
```

Simulate trial

```
result_trial <- sim_trial(n_arms=4,</pre>
                              N1=120, N2=60,
                              mu_6m = c(0,0,0,0),
                             mu_12m= c(0,0,0,0),
                              sigma=diag(1,2),
                              rmonth=12,
                              alpha1=0.5,
                              alpha=0.05,
                              p_{safety=c(0.9,0.8,0.7)},
                              safety=T)
  (result_trial)
$result1
[1] FALSE
$result2
Low-Placebo
$safety
[1] TRUE TRUE TRUE
```