GPCW: Gaussian Process for Estimating Crtical Windows of Susceptibility

GPCW_Example

- [1] Simulate data from the proposed model:
 - Setting the reproducability seed and initializing packages for data simulation:

```
set.seed(78453)
library(GPCW)
library(mnormt)
library(boot)
```

• Setting the global data values

• Setting the values for the statistical model parameters

• Simulating the analysis dataset

```
y<-rbinom(n=n,
size=1,
prob=probs)
```

- [2] Fit GPCW to Estimate Critical Windows of Susceptibility:
- [3] Analyzing Output:

```
plot(rowMeans(results$theta), pch=16)
points(theta_true, pch=16, col="blue")
```

