LGCP with PC priors

Patrick Brown

March 5, 2019

LGCP with priors given by quantiles

LGCP with penalised complexity prior

```
pr(sd > 1) = 0.05 and pr(phi < 0.2) = 0.95
```

LGCP with table priors

Parameters

```
if(!is.null(resG$parameters))
    knitr::kable(resG$parameters$summary[,c(1,3,5)], digits=3)

if(!is.null(resP$parameters))
    knitr::kable(resP$parameters$summary[,c(1,3,5)], digits=3)

if(!is.null(resT$parameters))
    knitr::kable(resT$parameters$summary[,c(1,3,5)], digits=3)
```

Maps

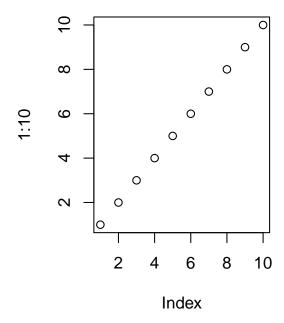


Figure 1: Priors and posteriors

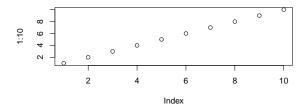


Figure 2: Random effects and fitted values