# LGCP with PC priors

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### LGCP with priors given by quantiles

formulaHere = ~ inc + offset(pop, log=TRUE)

inc = log(torontoIncome) )

### LGCP with penalised complexity prior

### LGCP with table priors

```
} else {
    resT = NULL
}
```

#### **Parameters**

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

	mean	0.025quant	0.975quant
(Intercept)	-9.188	-14.504	-3.917
inc	-0.712	-1.199	-0.222
range/1000	1.673	1.188	2.340
sd	0.849	0.730	0.990

	mean	0.025quant	0.975quant
(Intercept)	-9.249	-14.532	-4.009
inc	-0.706	-1.191	-0.219
range/1000	1.707	1.209	2.391
sd	0.842	0.722	0.986

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

	mean	0.025quant	0.975quant
(Intercept)	-8.269	-13.515	-3.104
inc	-0.796	-1.274	-0.312
range/1000	1.227	0.794	1.773
sd	0.834	0.722	0.962

## Maps

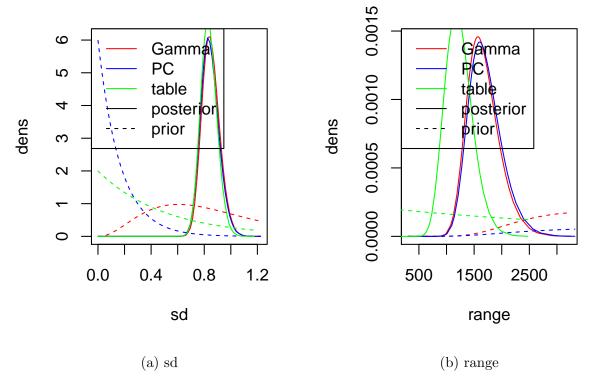


Figure 1: Priors and posteriors

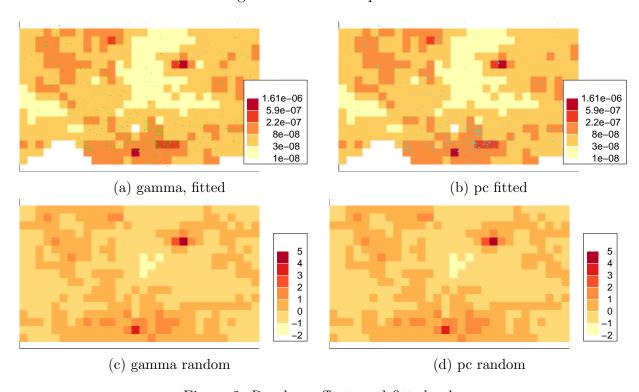


Figure 2: Random effects and fitted values