Poison_time_dep

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Contents

```
create_list <- function(N, E, 0){</pre>
  data_list <- list(</pre>
  N = N,
  E = E,
  0 = 0,
  sigma_a = 0.01,
  sigma_b = 4,
  alpha_mu = 0,
  alpha_sigma = 4,
  beta_a = -1,
  beta_b = 1,
  sigma_time_mu = 0,
  sigma_time_sigma= 25
  )
  return(data_list)
}
```

risk_netherland <- stan("/Users/aurorahofman/Documents/Utveksling/Baysiana/UPC-Final-Project-Bayesian-Adata = data_list_netherland, seed = 1, control = list(adapt_delta = params\$adapt_delta, max_treedepth

0.0.1 The Netherlands

```
print(risk_netherland)

library(bayesplot)
posterior <- as.data.frame(risk_netherland)
mcmc_trace(risk_netherland, pars = "log_theta_time[3]")
mcmc_trace(risk_netherland, pars = "log_theta_time[4]")
mcmc_trace(risk_netherland, pars = "log_theta_time[6]")
mcmc_trace(risk_netherland, pars = "sigma")

data_netherland <- create_CI_theta_vec(risk_netherland, length(mean_netherland))
plot_risk(data_netherland, "Netherland")</pre>
```