```r
library(knitr)
library(xtable)


# dt <- data.frame(Parâmetros=parameter,VV=truevalue,Clear=rep("NA",8),Média=cbind(colMeans(dt1)),EQM=e

library(tidyverse)
library(kableExtra)
library(here)

parameter <- c("$\\gamma_{1}$","$\\gamma_{2}$", "$\\gamma_{3}$", "$\\beta_{1}$", "$\\beta_{2}$","$\\beta
               NA,NA,NA,NA)

nycpostprior_table <- readRDS(file = "plots/nycpostprior_table.rds") %>%
  mutate(Parameter = case_when(Parameter == "gamma" ~ "$\\gamma$",
                           Parameter == "beta" ~ "$\\beta$",
                           Parameter == "alpha" ~ "$\\alpha$",
                           Parameter == "gamma_rest" ~ "$\\gamma_{rest}$",
                           Parameter == "beta_rest" ~ "$\\beta_{rest}$",
                           Parameter == "alpha_rest" ~ "$\\alpha_{rest}$"),
         Model = fct_relevel(Model, "nyc","m1")) %>%
  arrange(Parameter, Model)

kable(nycpostprior_table, format = "pandoc") %>%
kable_styling(latex_options = c("striped", "hold_position"))
```

Parameter	Model	Post_Prior	Mean	SD	Shape	Rate
α	nyc	posterior	8.58	0.00	12576784.38	1465706.21
α	m1	prior	8.00	0.98	66.02	8.25
α	m2	prior	6.98	1.01	47.82	6.85
α_{rest}	m2	prior	0.00	1.00	NA	NA
β	nyc	posterior	17.65	0.07	66915.06	3791.95
β	m1	prior	17.17	9.97	2.97	0.17
β	m2	prior	17.20	10.45	2.71	0.16
β_{rest}	m2	prior	0.00	5.00	NA	NA
γ	nyc	posterior	1.26	0.01	23182.63	18340.23
γ	m1	prior	1.23	0.52	5.68	4.62
γ	m2	prior	1.24	0.51	5.94	4.81
γ_{rest}	m2	prior	0.00	0.50	NA	NA

```r
# print(xtable(dt,digits=c(5,5,5,5,5,5,5,5,5,5,5,5,5), caption = " ",align = rep("c",12)),
#       caption.placement = "top", include.rownames = FALSE,include.colnames = FALSE,
#       type = "latex",
#       sanitize.text.function = function(x) {x},add.to.row = list(
#         pos = list(0),
#         command = c(
#           "&         &&\\multicolumn{2}{c}{n=50}&&\\multicolumn{2}{c}{n=200}&&\\multicolumn{2}{c}{n=1
#           \\cline{4-5} \\cline{7-8} \\cline{10-11}
#           Parâmetros & VV & Clear & Média & EQM& Clear & Média & EQM& Clear & Média & EQM\\\\"
# )))
```

```
table_all <- readRDS(file = here::here("plots/table_all.rds")) %>%
  mutate(temp_param = paste(Model, Group, Parameter)) %>%
  mutate(Parameter = case_when(temp_param == "Model 1 South Dakota inf" ~ "$\\beta$",
                               temp_param == "Model 1 South Dakota max" ~ "exp($\\alpha$)",
                               temp_param == "Model 1 South Dakota slope" ~ "exp($\\gamma$)",
                               temp_param == "Model 2 Outside of Minnehaha slope"  ~ "exp($\\gamma_{minn} + \\
                               temp_param == "Model 2 Outside of Minnehaha inf" ~ "$\\beta_{minn} + \\beta_{r
                              temp_param == "Model 2 Outside of Minnehaha max"  ~ "exp($\\alpha_{minn} + \\al
                              temp_param == "Model 2 Minnehaha slope" ~ "exp($\\gamma_{minn}$",
                               temp_param == "Model 2 Minnehaha inf"  ~ "$\\beta_{minn}$",
                              temp_param == "Model 2 Minnehaha max"  ~ "exp($\\alpha_{minn}$)")) %>%
  select(-temp_param)


kable(table_all, format = "pandoc") %>%
kable_styling(latex_options = c("striped", "hold_position"))
```

Model	Group	Parameter	median	mean	sd	low90	upper90
Model 1	South Dakota	β	37.2	37.2	0.3	36.7	37.7
Model 1	South Dakota	$\exp(\alpha)$	866.5	867.7	28.7	822.2	915.5
Model 1	South Dakota	$\exp(\gamma)$	2.8	2.8	0.1	2.7	2.9
Model 2	Minnehaha	β_{minn}	22.8	22.9	0.3	22.4	23.3
Model 2	Minnehaha	$\exp(\alpha_{minn})$	324.0	324.0	4.1	317.5	330.8
Model 2	Minnehaha	$\exp(\gamma_{minn}$	3.1	3.1	0.1	3.0	3.2
Model 2	Outside of Minnehaha	$\beta_{minn} + \beta_{rest}$	62.9	62.9	1.2	61.0	65.0
Model 2	Outside of Minnehaha	$\exp(\alpha_{minn} + \alpha_{rest})$	862.5	866.2	64.9	768.2	980.6
Model 2	Outside of Minnehaha	$\exp(\gamma_{minn} + \gamma_{rest})$	3.1	3.1	0.1	3.0	3.2