Simulation_PosteriorDistribution

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```
library(knitr)
dose <- c(-0.86, -0.30, -0.05, 0.73)
deaths <- c(0,1,3,5)
n <- rep(5,4)
data <- cbind(dose, deaths, n)
colnames(data) <- c("Dose, x_i (log g/ml)", "Number of animals, n_i", "Number of deaths, y_i")
kable(data, caption = "Data from the bioassay experiment")
```

Table 1: Data from the bioassay experiment

Dose, x_i (log g/ml)	Number of animals, n_i	Number of deaths, y_i
-0.86	0	5
-0.30	1	5
-0.05	3	5
0.73	5	5

Let $(x_i, n_i, y_i), i=1, \ldots, k $ represent the data, where $x_i = $ the ith of k dose levels