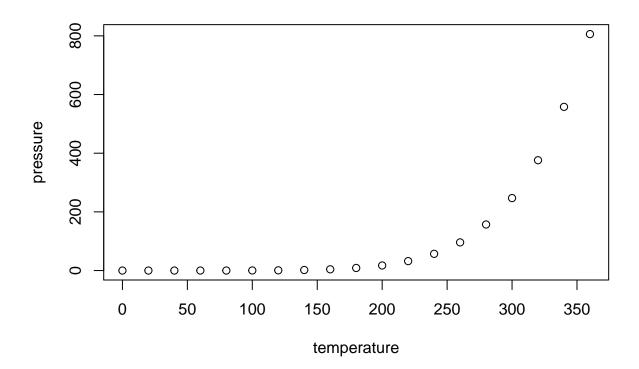
ECHO=TRUE set.seed(1337) lambda = 0.2 exponentials = 40

 $simMeans = NULL \ for \ (i \ in \ 1 : \ 1000) \ simMeans = c(simMeans, \ mean(rexp(exponentials, \ lambda))) \\ mean(simMeans)$

 $\begin{array}{lll} lambda^{\text{-}1\;abs(mean(simMeans)-lambda-1)}\; var(simMeans)\; (lambda\; *\; sqrt(exponentials))\; ^{\text{-}2}\; abs(var(simMeans)-(lambda\; *\; sqrt(exponentials))\; ^{\text{-}2})\; library(ggplot2)\; ggplot(data.frame(y=simMeans),\; aes(x=y))\; +\; geom_histogram(aes(y=..density..),\; binwidth=0.2,\; fill="\#0062B2",\; color="black")\; +\; stat_function(fun=dnorm,\; arg=list(mean=lambda\; ^{\text{-}1},\; sd=(lambda\; *sqrt(exponentials))\; ^{\text{-}1}),\; size=2)\; +\; labs(title="Plot\; of\; the\; Simulations",\; x="Simulation\; Mean") \end{array}$

Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.