Analytical Modal Lab-1

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source("http://www.openintro.org/stat/data/arbuthnot.R")  
boys<- arbuthnot$boys  
girls<- arbuthnot$girls  
total<- boys + girls  
year<- arbuthnot$year  
  
linegraph = function(x, y, z, xdata){  
 plot(xdata, x, type = "o", col = "red", xlab = "Years", ylab = "Values of boys, Girls and thier total value")  
 lines(xdata, y, type = "o", col = "blue")  
 lines(xdata, z, type = "o", col = "black")  
 title("Population of Boys and Girls")  
 axis(1, seq(1630, 1710, 1))  
 axis(2, seq(3000, 20000, 100))  
 legend(1704, 3200, legend=c("boys", "girls", "total"), col=c("red", "blue", "black"), lty = 1, lwd = 3, text.col = "black", bty = "f", cex = 2)  
}  
  
linegraph(boys, girls, total, year)

