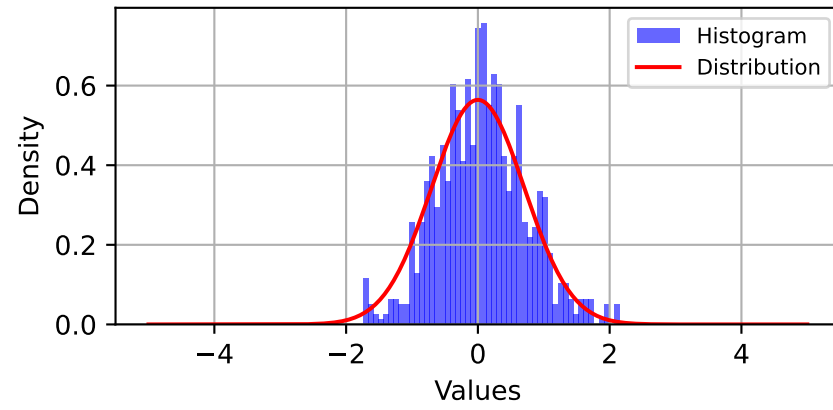
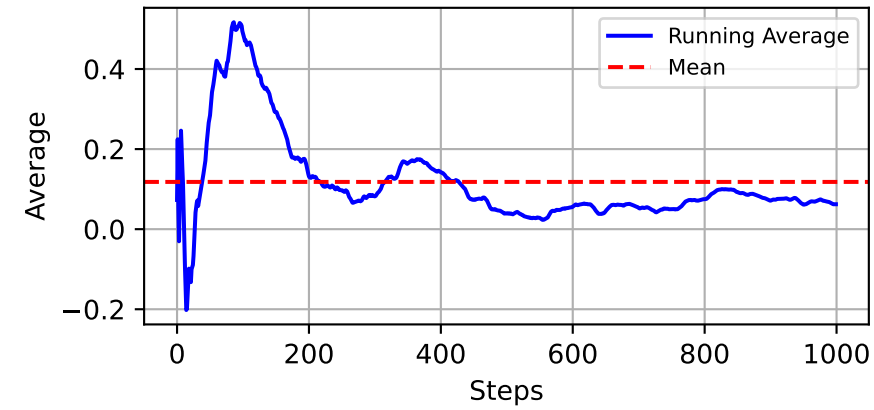


# Metropolis program for different values of beta

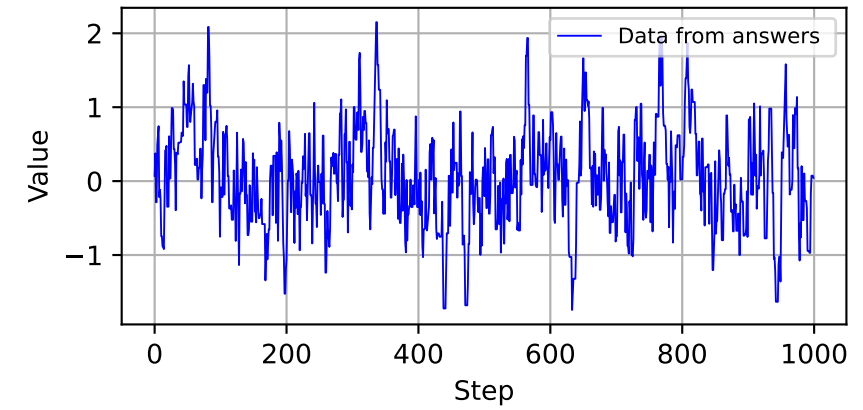
Histogram for  $\beta = 1$



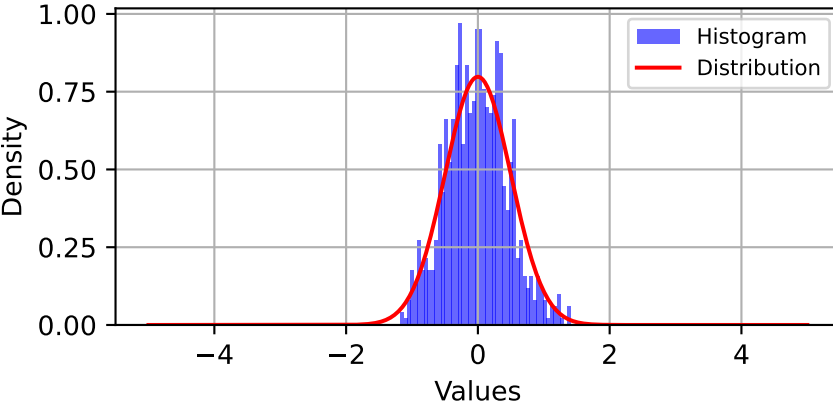
weighted data from histogram for  $\beta = 1$



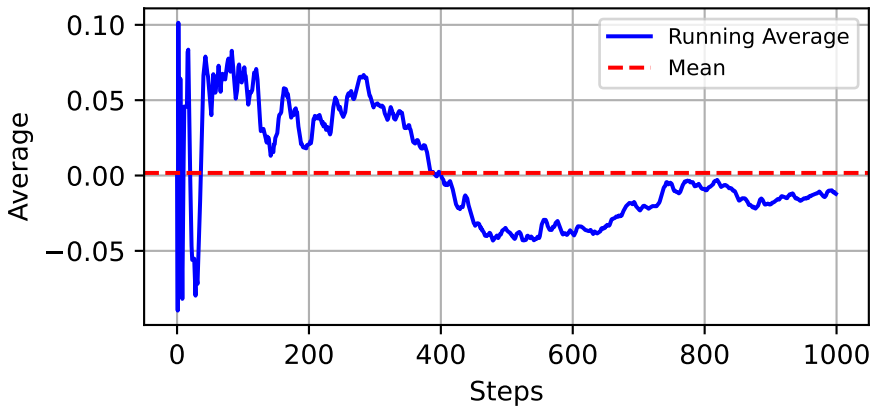
data for  $\beta = 1$



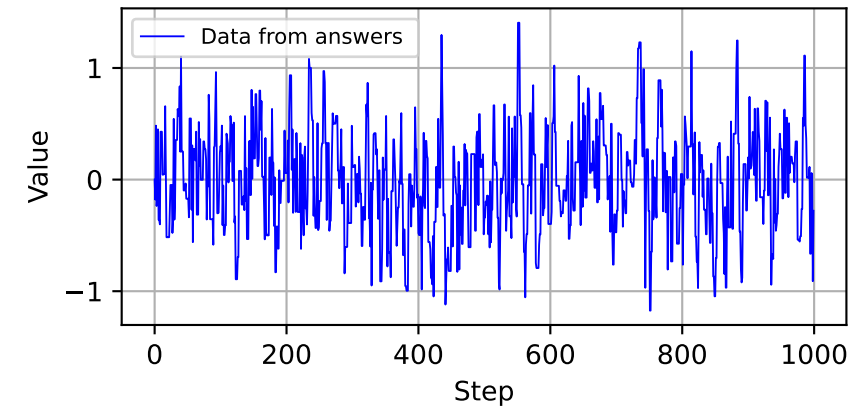
Histogram for  $\beta = 2$



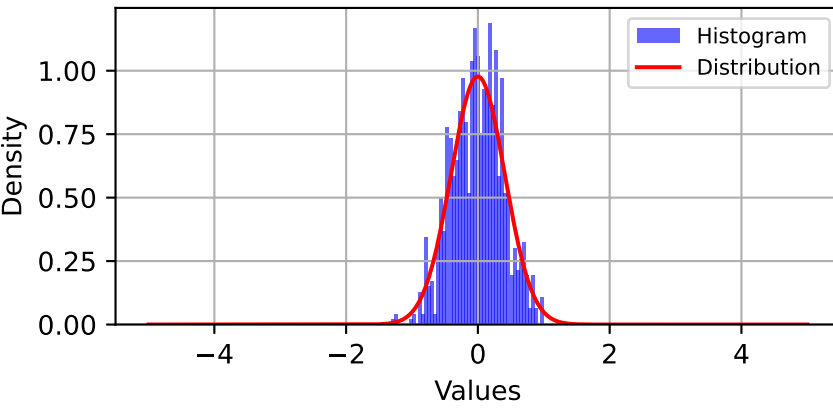
weighted data from histogram for  $\beta = 2$



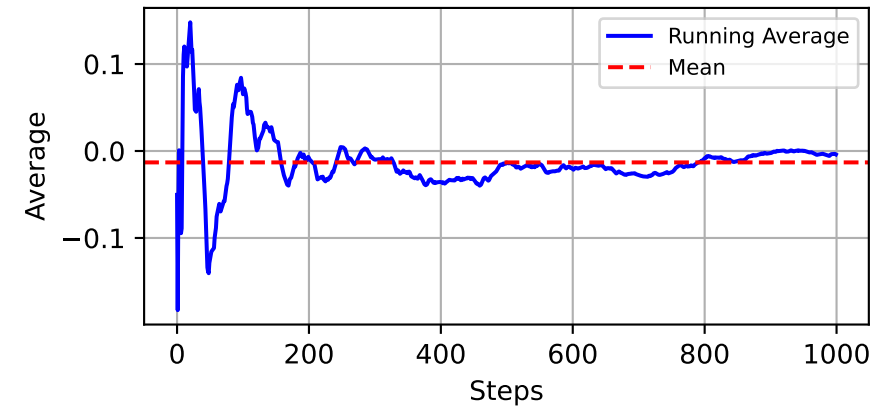
data for  $\beta = 2$



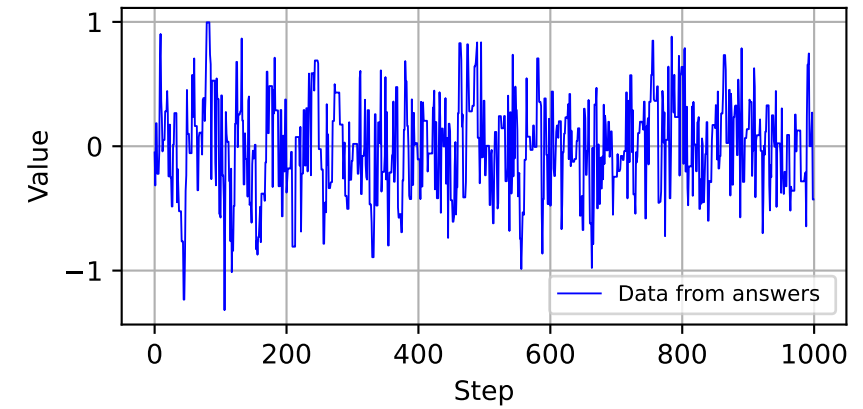
Histogram for  $\beta = 3$



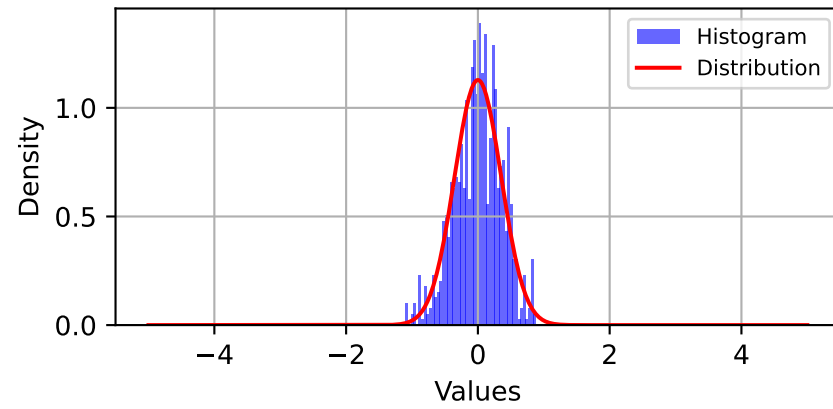
weighted data from histogram for  $\beta = 3$



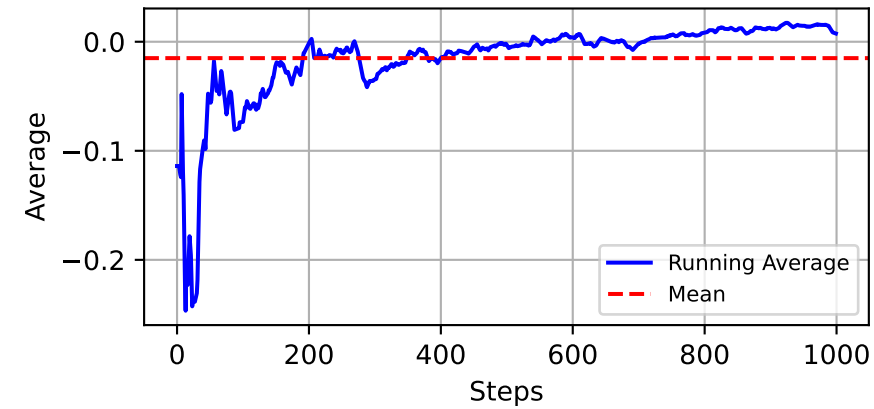
data for  $\beta = 3$



Histogram for  $\beta = 4$



weighted data from histogram for  $\beta = 4$



data for  $\beta = 4$

