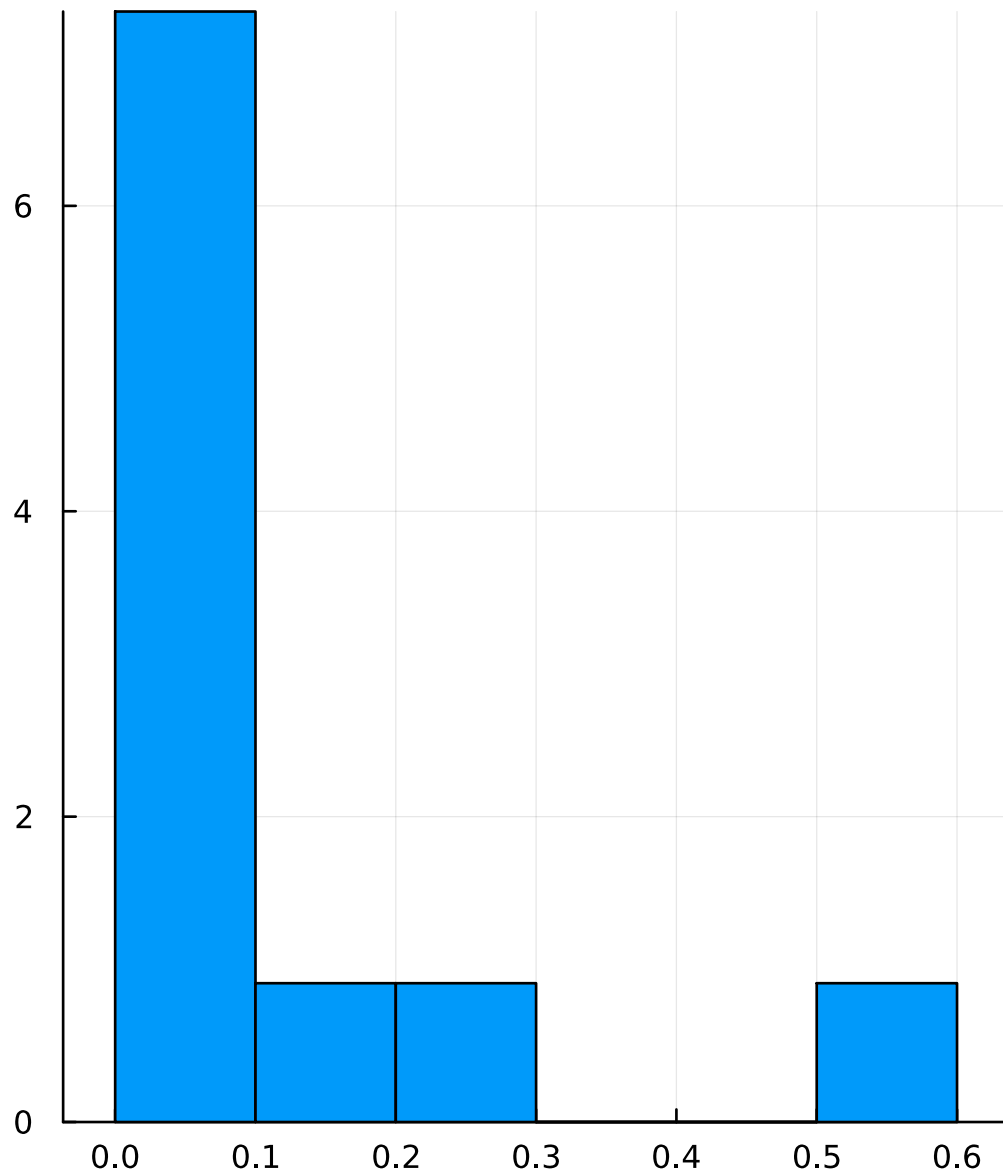From 50 simulations

Energy Distribution, step=5   Energy Distribution, step=25