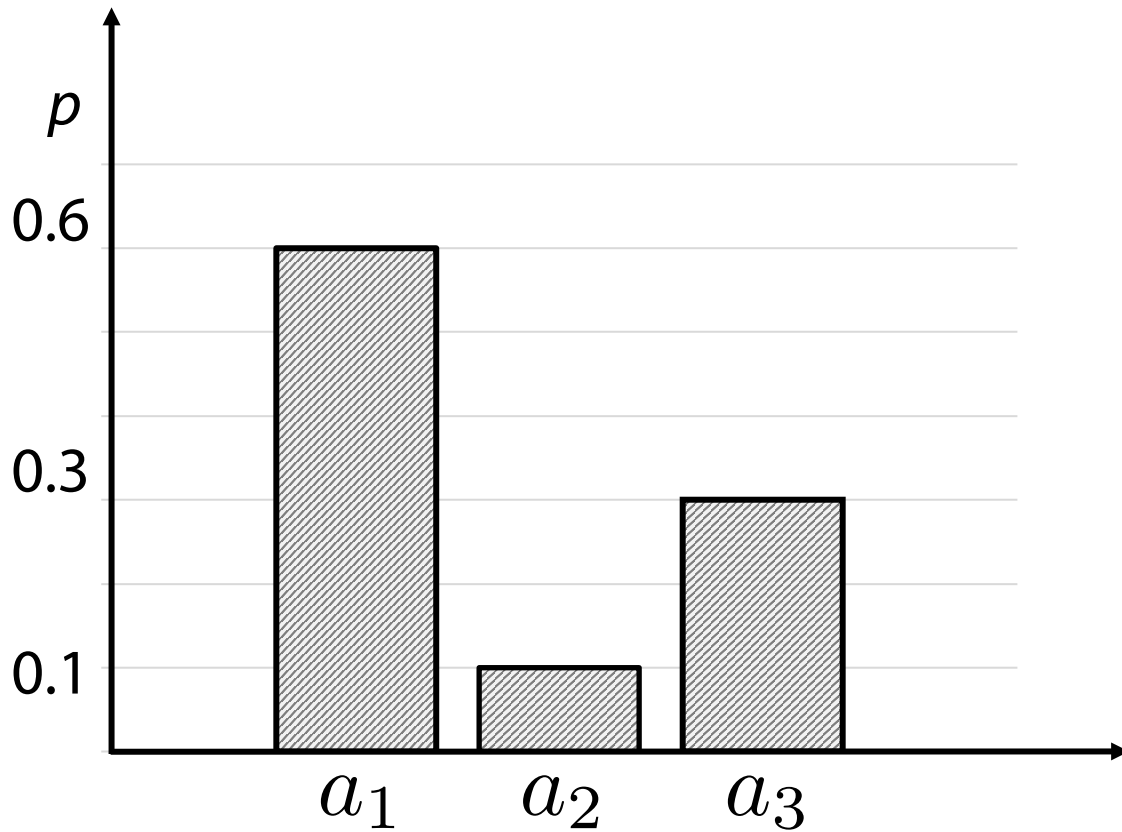


1d sampling (discrete)



We can always sample from uniform $\mathcal{U}[0, 1]$