Assignment 02

- 1. Let X~binomial distribution B(n, p). Show that $\sum_{j=0}^{n} \Pr[X = j] = 1$.
- 2. Let X~geometric distribution G(p). Show that $\sum_{n\geq 1}\Pr[X=n]=1$.
- 3. Give a practical example of coupon collector's problem and provide your analysis.