

Math 5411 – Mathematical Statistics I– Fall 2024

w/Nezamoddini-Kachouie

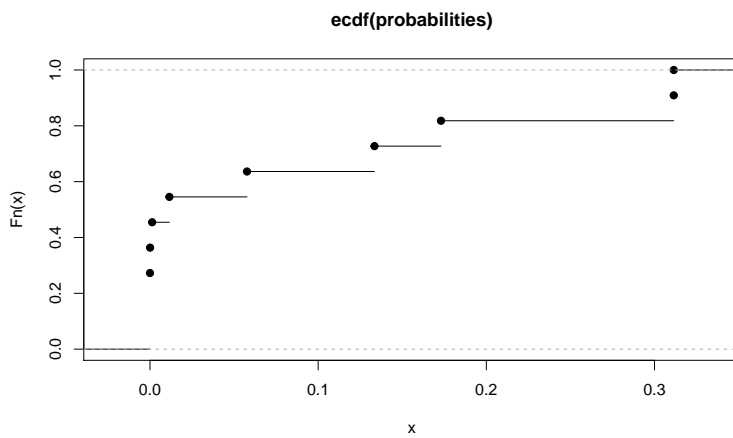
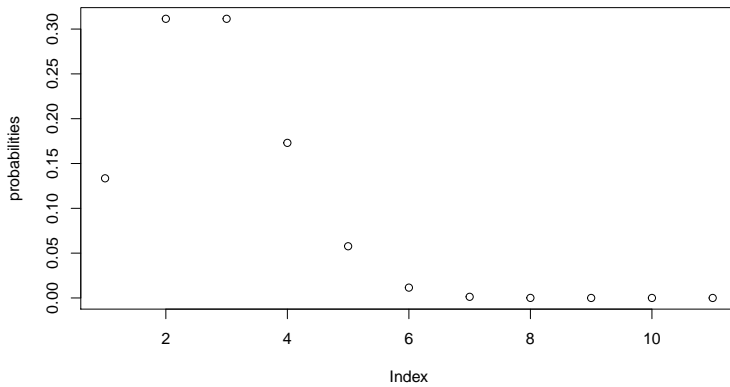
Paul Carmody
Quiz #2 – September 18, 2024

Started 6:47, Ended 7:05

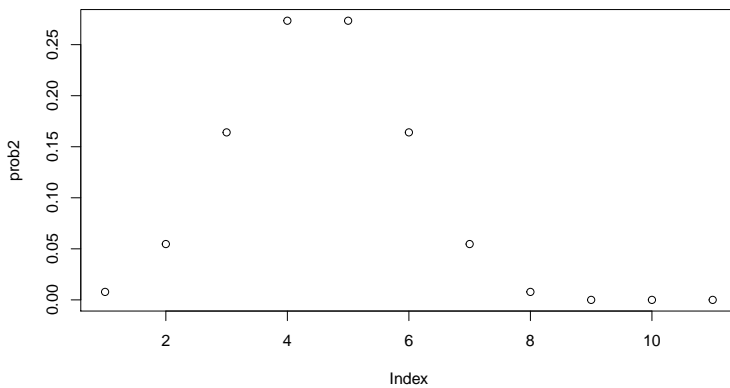
Use R and plot PMF and CDF of a Binomial distribution with:

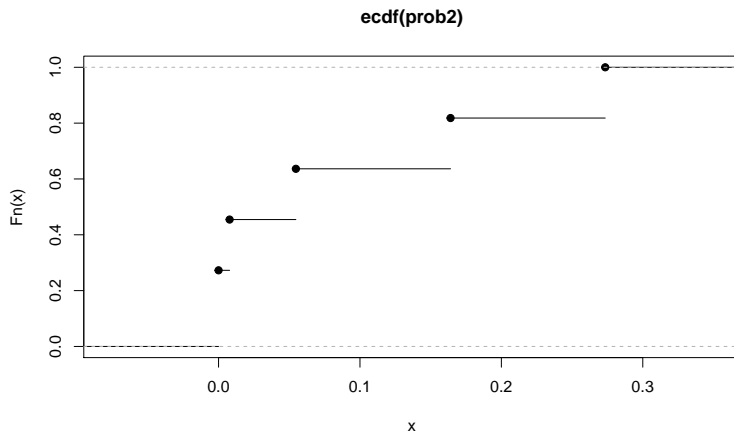
X Binomial (n, p)

a) $n = 7, p = 0.25$

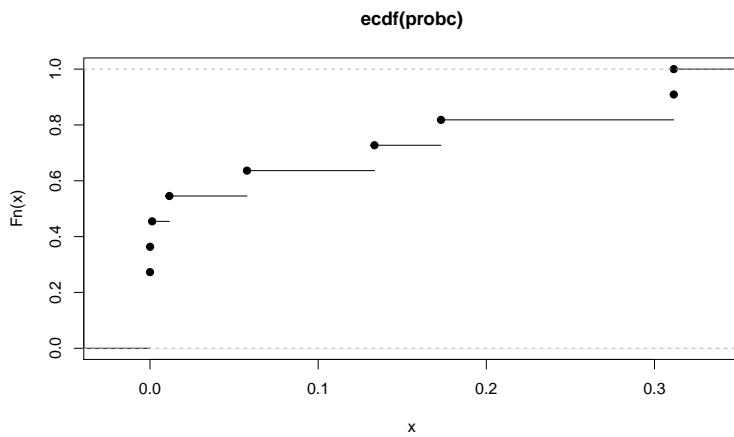
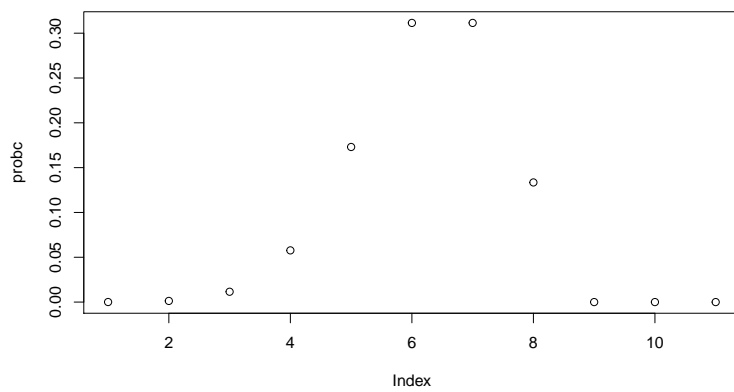


b) $n = 7, p = 0.50$





c) $n = 7, p = 0.75$



d) What value(s) of X is(are) most likely in each part a, b, and c?
 a – between 1 and 5, b – between 3 and 8, c – between 4 and 9

e) d) What value(s) of X is(are) least likely in each part a, b, and c?
 a – greater than 5, b – 0 or 1 and greater than 8, c – less than 3 and greater than 9