

In [14]:

연습문제 1 / 예제(7.2), p220

from math **import** sqrt

from scipy.stats **import** norm

n = 225

x = 18

p_hat = x / n

z = norm.ppf(0.975)

se = sqrt(p_hat * (1 - p_hat) / n)

lower = p_hat - z * se

upper = p_hat + z * se

print(f'95% 신뢰구간 : {round((lower), 3)}, {round((upper), 3)}\n0.045 < p < 0.115')

95% 신뢰구간 : 0.045, 0.115

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