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

0.045 < p < 0.115

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