

In [16]:

연습문제 5 / 예제(7.12), p230

from scipy.stats **import** *

import numpy **as** np

import math

data = [0.43, 0.52, 0.46, 0.49, 0.60, 0.56]

xbar = np.mean(data)

sd = round((np.std(data, ddof=1)), 4)

n = len(data)

t = 2.015

print(data, xbar, sd, n)

lower = xbar - (t * (sd / math.sqrt(n)))

upper = xbar + (t * (sd / math.sqrt(n)))

print(f'90% 신뢰 구간 추정 : {round((lower), 3)} < mu < {round((upper), 3)}')

[0.43, 0.52, 0.46, 0.49, 0.6, 0.56] 0.51 0.0632 6

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