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% 신뢰구간 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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90% 신뢰구간 추정 : 0.458 < mu < 0.562