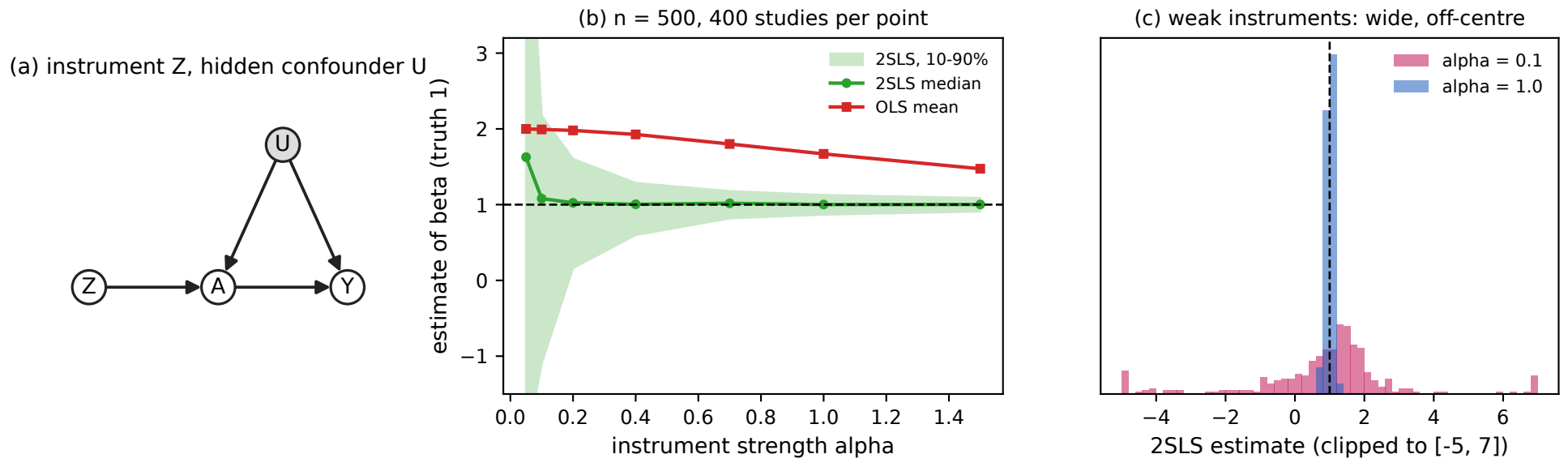

(a) instrument Z, hidden confounder U
U
Z
A
Y
(b) n = 500, 400 studies per point
2SLS, 10-90%
2SLS median
OLS mean
estimate of beta (truth 1)
instrument strength alpha
(c) weak instruments: wide, off-centre
alpha = 0.1
alpha = 1.0
2SLS estimate (clipped to [-5, 7])