Robust variance estimator 정리

- 1) ATE Robust Variance : 같이 크게 나오거나 적게 나음 ⇒ Weight 처리?
- 2) ATT Robust Variance (SMWR): A-treatment Variable, L-Confounder, Wi-Weight

$$h(L_{I},\hat{a}) \rightarrow ps-model = exp(\hat{ao}+\hat{a_1}L)$$
, $e(L_{I},\hat{a}) = p(Y_{I}=\hat{l}|L_{I})$

$$\begin{array}{c} \rightarrow V(\mathcal{E}) = A(\mathcal{E})^{T} B(\mathcal{E})^{T} A(\mathcal{E}) & f(\mathcal{E})^{T} & f(\mathcal{$$

$$A(\hat{e}) = E\left[-\frac{\psi'(A,Y,L,\hat{a},\hat{u})}{e}\right]$$

$$= \frac{\partial \psi(A,L,Y,\hat{a},\hat{u})}{\partial(do,d_1,M_0,M_1)}$$

Another Way) Causal Inference for Social and Biomedical ~

- (1) |PTW ATE; P.441 (19.11) > fr2 P.447 (19.12), (19.13)
- (2) [PTW ATT; p.452, P.453

⇒ 필요한 것; treated group Lifonial treated unit 간 거리 계산, Control unit 간 거리 계산 ⇒ 공변량간 거리가 가까운 unit pairing!

<mark>나의 생각</mark> ⇒ treated group data, Control group data 분리

