

# Quiz notes (practice)

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- Q1): Optimal matching minimizes total distance.
- Q2): after matching, balance can be assessed by standardized (mean) differences (smd) on each covariate separately.
- Q3): large standardized (mean) difference for a covariate (i.e.  $> 0.2$ ) indicates serious covariate imbalance b/w. treatment groups.
- Q4): if there is a large treatment effect, then we expect the observed difference in means of the outcome between matched pairs to be very different from the difference in means if we randomly permute treatment labels.