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**MITx:** 14.310x Data Analysis for Social Scientists

Module 3: Gathering and Collecting Data, Ethics, and Kernel Density Estimates > Summarizing and Describing Data > Empirical Strategy - Quiz

# Empirical Strategy - Quiz

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## Question 1

1 point possible (graded)

If India becomes richer over time and people become taller, what would you expect to happen to the height CDF?

○ a. shift upwards

○ b. stay the same because it always integrates to 1.

○ c. shift to the right.

○ d. shift to the left.

### Explanation

As Professor Duflo explained in class, the CDF must shift to the right in this case, since there will be fewer people who are below a given height (since people are taller).

Submit    You have used 0 of 2 attempts

## Question 2

1 point possible (graded)

True or False: The income distribution of country A first-order stochastically dominates that of country B, if the CDF of income in country A is everywhere above the CDF of income in country B.

○ True

○ False

### Explanation

The income distribution of country A first-order stochastically dominates that of country B, if the CDF of income in country A is everywhere below (or equivalently to the right) of country B.

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## Discussion

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