Homework #3

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1. (2.10) For each of the following questions, explain whether a confidence interval for a mean response or a prediction interval for a new observation is appropriate.

(a) What will be the humidity level in this greenhouse tomorrow when we set the tempera- ture level at 31oC

(b) How much do families whose disposable income is \$23,500 spend, on the average, for meals away from home?

(c) How many kilowatt-hours of electricity will be consumed next month by commercial and industrial users in the Twin Cities service area, given that the index of business activity for the area remains at its present level?