**Question 12.1**

*Describe a situation or problem from your job, everyday life, current events, etc., for which a design of experiments approach would be appropriate.*

Here’s one possible situation. Restaurants (the high-level expensive ones I don’t often go to) often prefer the same sort of simplicity as we sometimes do in modeling: they prefer to have a small number of items on the menu. So, a restauranteur needs to decide what combinations of entrees, side dishes, etc. to put on the menu. Of course, there are too many combinations to try them all, so a design-of-experiments approach could help the restauranteur collect some data and make informed menu decisions.