# Chapter 10. Choosing the function behind the data

## Can you find a better function?

In chapter 9 (‘Edmonton All, Urban, and Suburban.xls’) the model equation was

.

With this model equation the CURE plots for the ‘Urban’ and the ‘Suburban’ intersections are in Figures 1 and 2.

Figure

Figure

### Blind search

Select a few functions to see if they improve the fit. If yes, determine whether the addition of parameters is justified.

### Interpret CURE plot deficiencies and use it to guide the search for more suitable functions.

### Check to observed/fitted ratios to find a suitable multiplier function.

### Broaden your search by examining the fit of the Swedish model

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