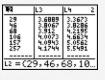


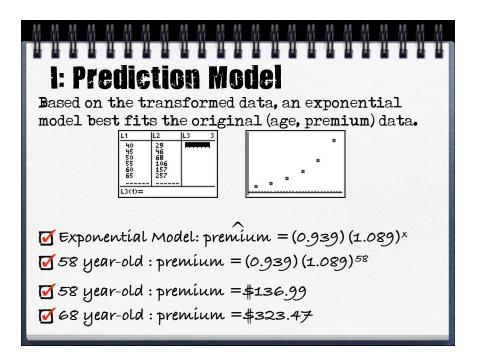
I: Exponential Model?

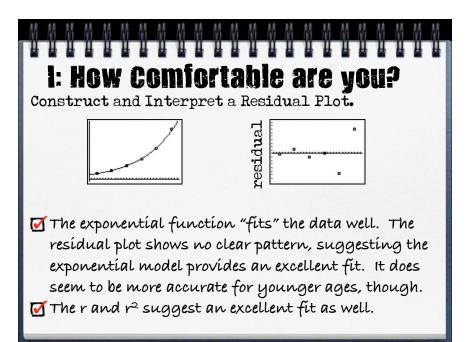
Transform data and plot (age, ln(premium)):

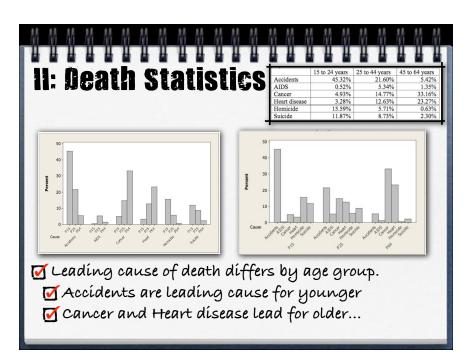


- There is a strong positive linear relationship between age and ln(premium). So, an exponential model may be appropriate to predict premium from age.

 - ☑ Exponential Model: premium = (0.939) (1.089)×







III: Stay Fitter, Live Longer

a. The chance of dying for men over 65 is cut in half for those who walk 2 miles a day compared to those who don't.

Why can't we say exercise <u>causes</u> lower mortality?

Confounding....individuals who exercise regularly may have other characteristics that contribute to longer lives {diet, habits, etc.}.