$$log(y_i) = \beta_0 + log(x_i)\beta_1 + \epsilon_i$$

$$\begin{aligned}
\frac{dlog(y_i)}{dlog(x_i)} &= \beta_1 \\
\frac{\frac{dy_i}{y_i}}{\frac{dx_i}{x_i}} &= \beta_1 \\
\beta_1 &\approx \frac{\frac{\Delta y}{y}}{\frac{\Delta x}{x}} \\
&\approx \frac{\%\Delta y}{\%\Delta x} \qquad (1)
\end{aligned}$$

(1) for small changes.