

## Hasil Regresi: Logarithmic

Persamaan:  $Y = 2517.3273 * X^{0.7400}$

### Preprocessing:

- Rename kolom 'X', 'Y' menjadi X, Y
- Men-sort data berdasarkan X
- Normalisasi Min-Max pada X dan Y

### Rincian Perhitungan:

$$n (\text{Jumlah Data}) = 10$$

$$\sum \log X = -27.6533$$

$$\sum \log Y = 13.5453$$

$$\sum \log X * \log Y = -36.2723$$

$$\sum (\log X)^2 = 78.0718$$

$$\text{Slope (n)} = 0.74002$$

$$\text{Intercept (Log k)} = 3.40094$$

$$\text{Konstanta (k)} = 2517.32731$$

Persamaan Linear:  $\log(Y) = 3.4009 + 0.7400 * \log(X)$

Persamaan Pangkat:  $Y = 2517.3273 * X^{0.7400}$

$$\text{Korelasi (r)} = 0.98167$$

$$R^2 = 0.96368$$