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1. L[\$] = \(\frac{1}{2}\) (\$\phi_0 + \phi_1 \cdots - \cdots)

3. Generative.
$$X = g(y, \varphi) = \varphi_0 + \varphi_1 y$$
 $2(\varphi) = \sum_{i=1}^{N} (X_i - g(y_i, \varphi))^2$
 $2(X_i - (\varphi_0 + \varphi_1 y_i))^2$ (los) $f_{in}(t_{low})$
 $Y = g^{-1}(X_i, \varphi)$
 $X = \varphi_0 + \varphi_1 y \Rightarrow y = X - \varphi_0$

Generative $y = X_i - \varphi_0$

Operininative $y = \varphi_1 X_i + \varphi_2$

There we not the same.

The shopes of y_i where y_i are not the same.