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Log(y+b0) = a0 + a1Log(x1+b1) + ... + aiLog(x_i+b_i) + ...

a0, a1, ..., ai, ...

y

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b_i

x1, ..., x_i, ...

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1. Normality

2. Linearity

3. Equal variance (Homoscedasticity)

4. Colinearity

5. Stepwise

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$$\text{LogSy} = \frac{1}{Q} \text{Log(AQ)} - \frac{1}{N} \text{Log(N+W)} + \frac{1}{Li} \text{Log(Li+)} + \frac{1}{W} \text{Log(W)} + \epsilon$$

$$\text{Sy} = \frac{1}{Q} \text{AQ} - \frac{1}{N} \text{N} + \frac{1}{Li} \text{Li} + \frac{1}{W} \text{W} + \epsilon$$

$$t = \frac{\text{Sy} - \hat{\text{Sy}}}{\text{SE}} = \frac{\epsilon}{\text{SE}}$$

$$\text{ME} = 1 - \frac{\sum_{i=1}^n (y_i - \hat{y}_i)^2}{\sum_{i=1}^n (y_i - \bar{y}_i)^2}$$

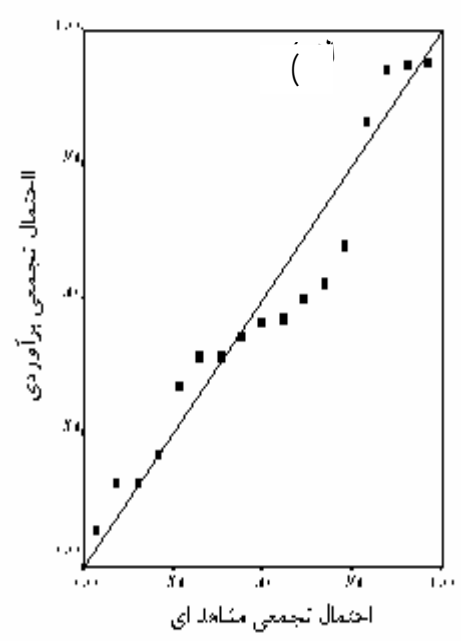
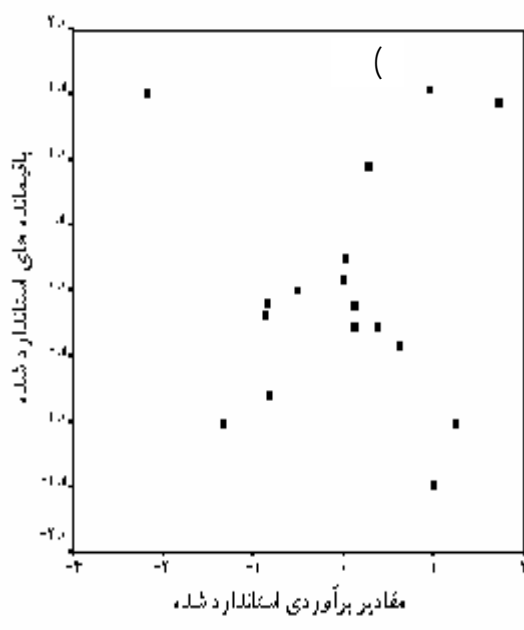
$$\text{ME} = 1 - \frac{\sum_{i=1}^n (y_i - \hat{y}_i)^2}{\sum_{i=1}^n (y_i - \bar{y}_i)^2}$$

$$\text{ME} = 1 - \frac{\sum_{i=1}^n (y_i - \hat{y}_i)^2}{\sum_{i=1}^n (y_i - \bar{y}_i)^2}$$

- 3. Tolerance
- 4. Variance inflation factor

- 1. Independence of the error term
- 2. Model Efficiency

SE	R	(VIF)	(Tolerance)	R	t	t	(Beta)	
/	/	/	/	/	/	/	/	AQ
/	/	/	/	/	/	/	/	N+W
		/	/	/	/	/	/	Li
					/	/		



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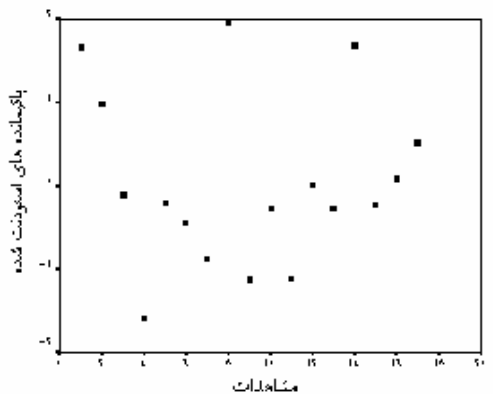
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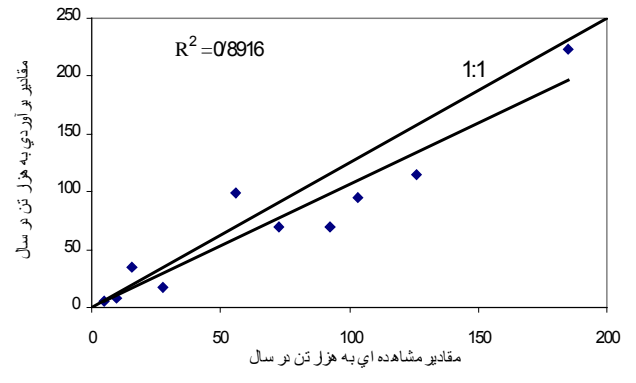
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