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Log(y+b<sub>0</sub>) = a<sub>0</sub> + a<sub>1</sub>Log(x<sub>1</sub>+b<sub>1</sub>) + ... + a<sub>i</sub>Log(x<sub>i</sub>+b<sub>i</sub>) + ...

a<sub>0</sub>, a<sub>1</sub>, ..., a<sub>i</sub>, ...

y

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b<sub>i</sub>

x<sub>1</sub>, ..., x<sub>i</sub>, ...

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1. Normality

2. Linearity

3. Equal variance (Homoscedasticity)

4. Colinearity

5. Stepwise

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$$\text{LogSy} = \beta_0 + \beta_1 \text{Log(AQ)} - \beta_2 \text{Log(N+W)} + \beta_3 \text{Log(Li+)} + \epsilon$$

$$Q = \frac{A}{N+W}$$

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

ME

i  $\hat{y}_i$

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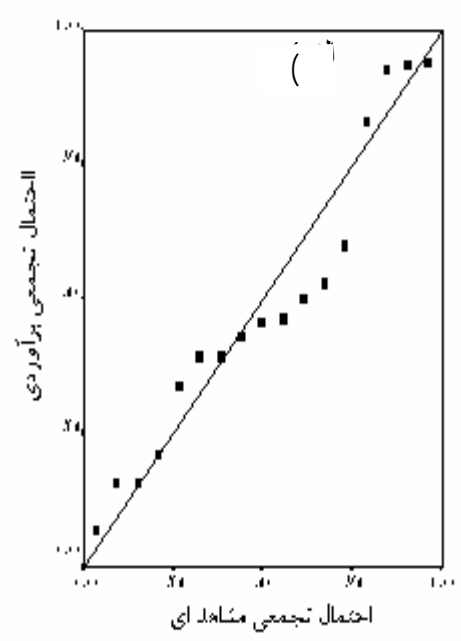
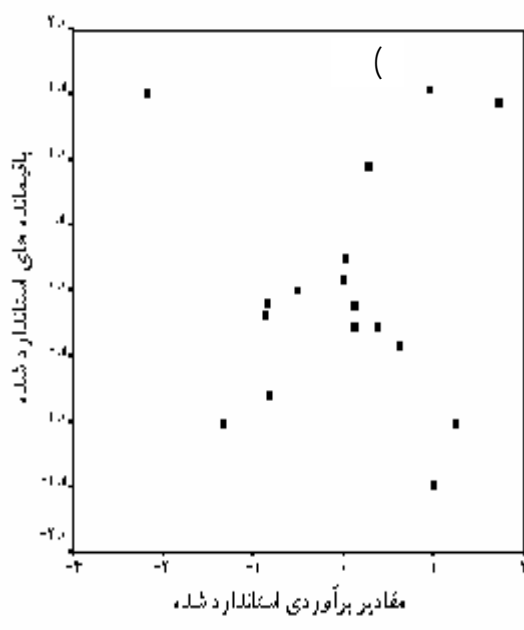
3. Tolerance

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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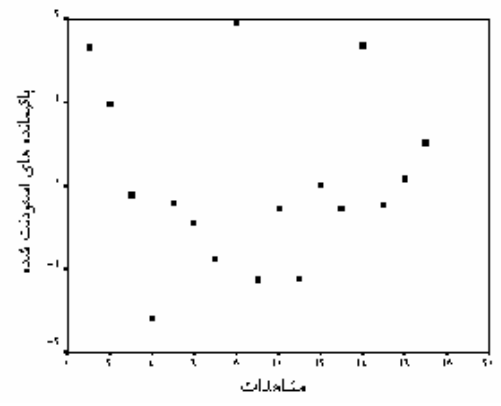
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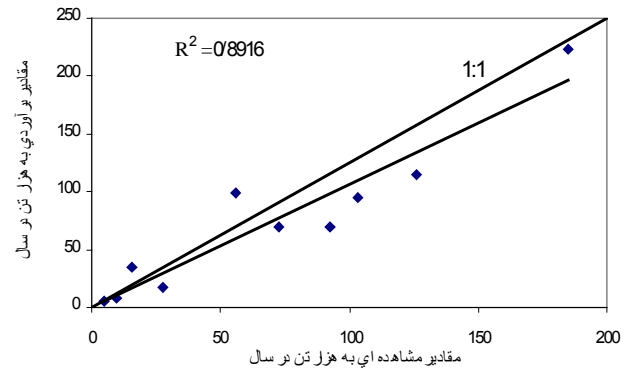
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