
**سودمندی استفاده از روش‌های تحلیل تکنیکی در
بورس اوراق بهادار تهران**

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$$M_{t,n} = \frac{1}{n} \sum_{i=t-n+1}^t C_i$$

$$= (C_t + C_{t-1} + \dots + C_{t-n+2} + C_{t-n+1}) / n$$

$$t = \bar{r} / (\sigma_r / \sqrt{n})$$

$$\sigma_r(\bar{r}) = \sqrt{\frac{1}{n} \sum_{i=1}^n (r_i - \bar{r})^2}$$

$$()$$

r_t

$$r_t = \ln \left(\frac{TEPIX_t}{TEPIX_{t-1}} \right) \quad ()$$

$$\bar{r} = \left(\sum_{i \in \Omega} r_i \right) / n \quad ()$$

$$\left(\frac{\sigma^2}{n} \right) \mu \quad (\bar{r})$$

$$\Omega \quad n \quad (\bar{r}) \quad n_{buy} \quad \bar{r}_{buy}$$

$$n_{sell} \quad (\bar{r}_{sell})$$

$$\mu_{sell} \quad \mu_{buy} \cdot$$

$$\sigma_{sell} \quad \sigma_{buy}$$

$$\{H_{01} : \mu_{buy} = 0\}$$

$$\{H_{11} : \mu_{buy} > 0\}$$

$$T_b = \bar{r}_{buy} / (s / \sqrt{n_{buy}}) \quad ()$$

(s)

$$(s) \quad (\sigma_{sell} \quad \sigma_{buy})$$

T (H_{01})

α

$T_b \approx N(0,1)$

$(H_{01} : \mu_{buy} = 0)$

$T_b > z_{\alpha}$

Stat-B

T_b

$$T_s = \bar{r}_{sell} / (s / \sqrt{n_{sell}}) \quad ()$$

$H_{12} : \mu_{sell} < 0$

$H_{02} : \mu_{sell} = 0$

H_{02}

$(T_s < -z_{\alpha})$

T_s

Stat-S

$$\mu_{str} = 1/T \sum_{t=1}^T r_t d_t \quad ()$$

d_t

t

r_t

: T

$$T_{str} = \frac{\mu_{str} - \mu}{\sqrt{\frac{\sigma_{str}^2}{N_{str}} + \frac{\sigma^2}{N}}} \quad ()$$

$$\sigma_{str}^2 \cdot \mu_{str} \quad ()$$

$$(\bar{r}_D = \bar{r}_{buy} - \bar{r}_{sell})$$

($H_{03} : \mu_D = 0$ vs $H_{13} : \mu_D > 0$)

$$T_D = (\bar{r}_D - 0) / [s(1/\sqrt{n_{buy}} + 1/\sqrt{n_{sell}})] \quad (H_{03}) \quad T_D > z_{\alpha}$$

T) (

$$(T_{t,n} = M_{t,n} / S_{t,n}) \quad ()$$

$$: \quad () \quad M_{t,n}$$

$$S_{t,n} = \sqrt{\sum_{i=t-n+1}^t (C_i - M_{t,n})^2 / (n-1)} \quad ()$$

i C_i n

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T_s	/	a
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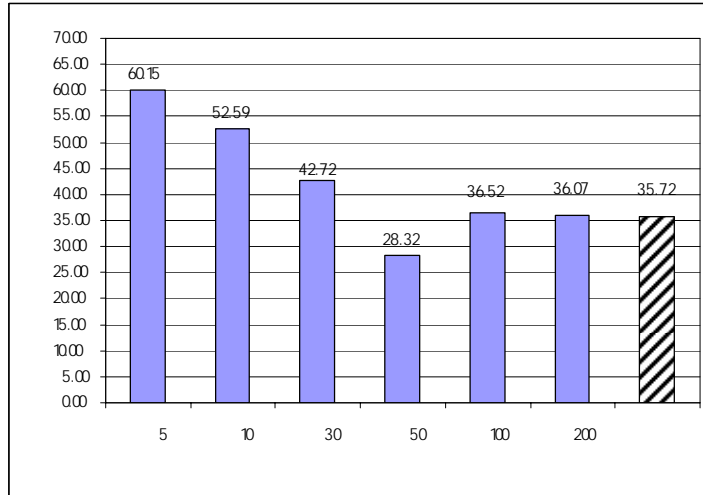
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