Equal lines

$$\hat{\mu}\{F|I, T\} = \hat{\beta}_0 + \hat{\beta}_1 I$$  \hspace{1cm} (1)

Parallel Lines

$$\hat{\mu}\{F|I, T\} = \hat{\beta}_0 + \hat{\beta}_1 I + \hat{\beta}_2 T$$  \hspace{1cm} (2)

For $T=0$,

$$\hat{\mu}\{F|I, T = 0\} = \hat{\beta}_0 + \hat{\beta}_1 I$$  \hspace{1cm} (3)

For $T=1$,

$$\hat{\mu}\{F|I, T = 1\} = (\hat{\beta}_0 + \hat{\beta}_2) + \hat{\beta}_1 I$$  \hspace{1cm} (4)

Separate Lines

$$\hat{\mu}\{F|I, T\} = \hat{\beta}_0 + \hat{\beta}_1 I + \hat{\beta}_2 T + \hat{\beta}_3 I \times T$$  \hspace{1cm} (5)

For $T=0$,

$$\hat{\mu}\{F|I, T = 0\} = \hat{\beta}_0 + \hat{\beta}_1 I$$  \hspace{1cm} (6)

For $T=1$,

$$\hat{\mu}\{F|I, T = 1\} = (\hat{\beta}_0 + \hat{\beta}_2) + (\hat{\beta}_1 + \hat{\beta}_3) I$$  \hspace{1cm} (7)