

Equal lines

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

Parallel Lines

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

For T=0,

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

For T=1,

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

Separate Lines

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

For T=0,

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

For T=1,

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