

# Threats:

$$y_i = \alpha +$$

$$\beta_t t_i$$

+

$$\beta_p p_i$$

+

$$\beta_s s_i$$

+

$$\alpha_{pi}$$

+

$$\beta_c t_i \times s_i$$

## Maturation/ exhaustion

## Optimal Sequence

## Subject Variability

## Carryover

### Addressing Factor:

#### Treatment

#### Period

#### Sequence

### Subject-specific Random Effect

### Treat. x Seq. Interaction

Period 1

A	B
B	A

A	B
B	A

A	B
B	A

p1 p2	p3 p4
p1 p2	p3 p4

A	B
B	A

Period 2

Seq. AB Seq. BA