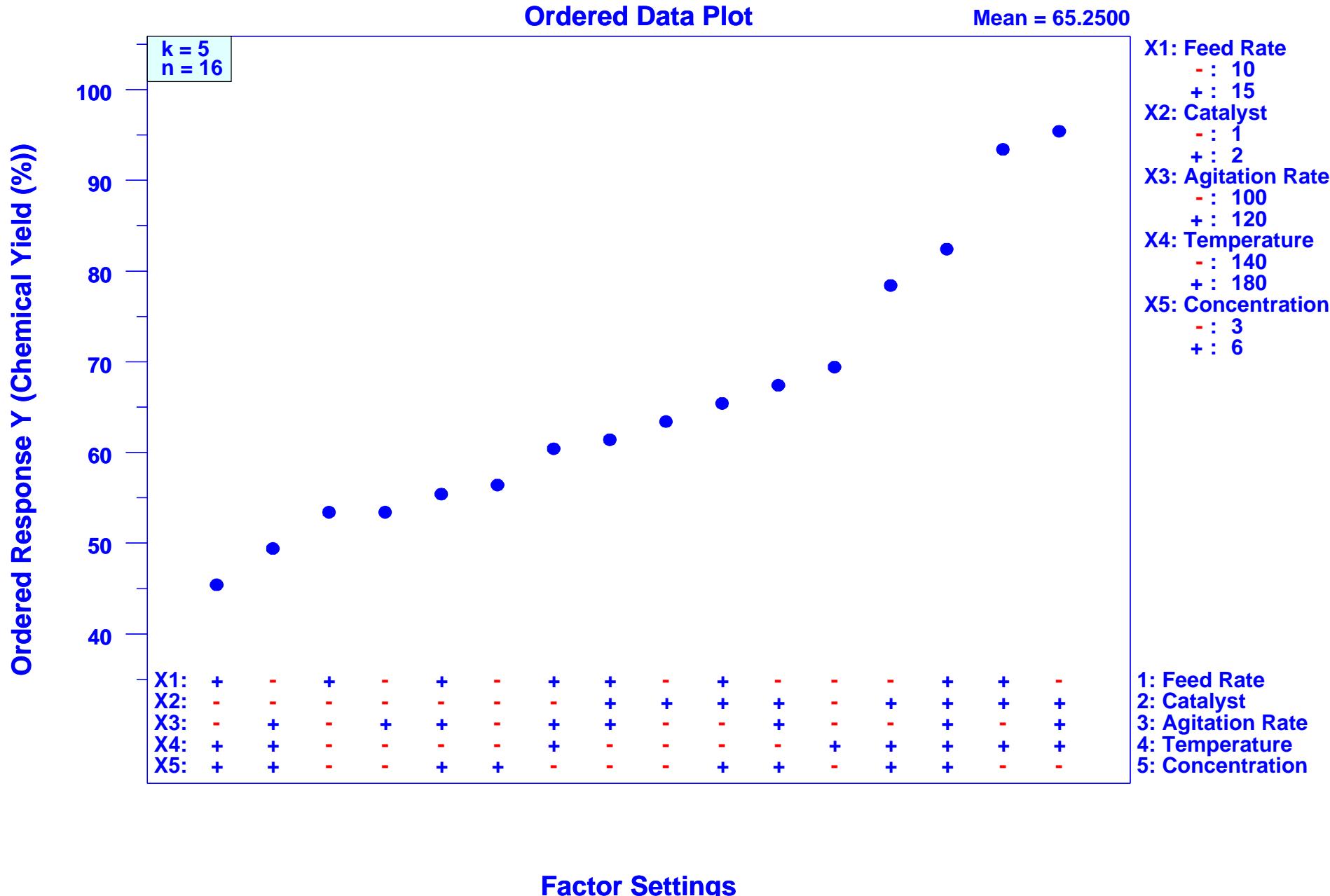


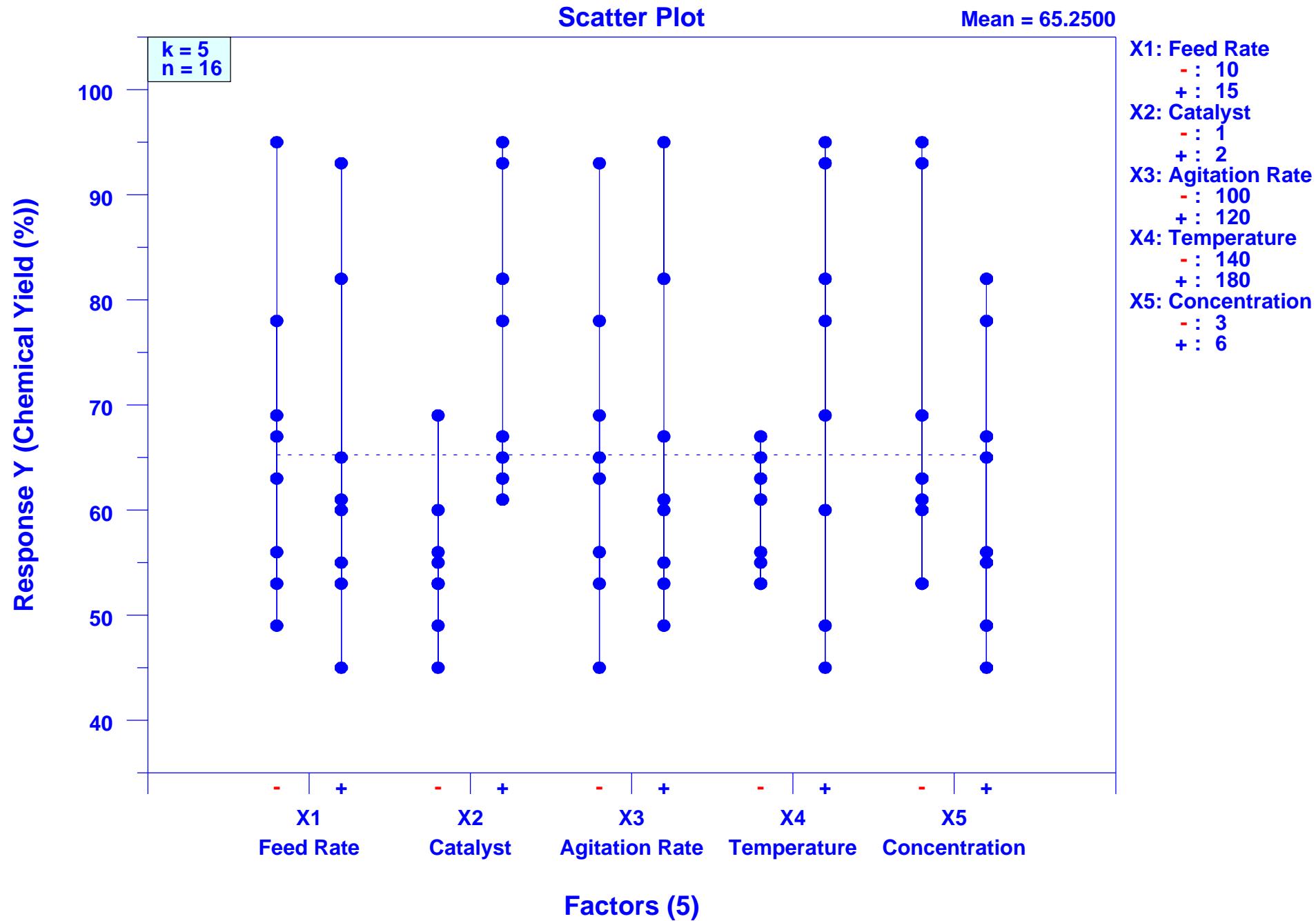
Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-1)$ ($k=5, n=16$)



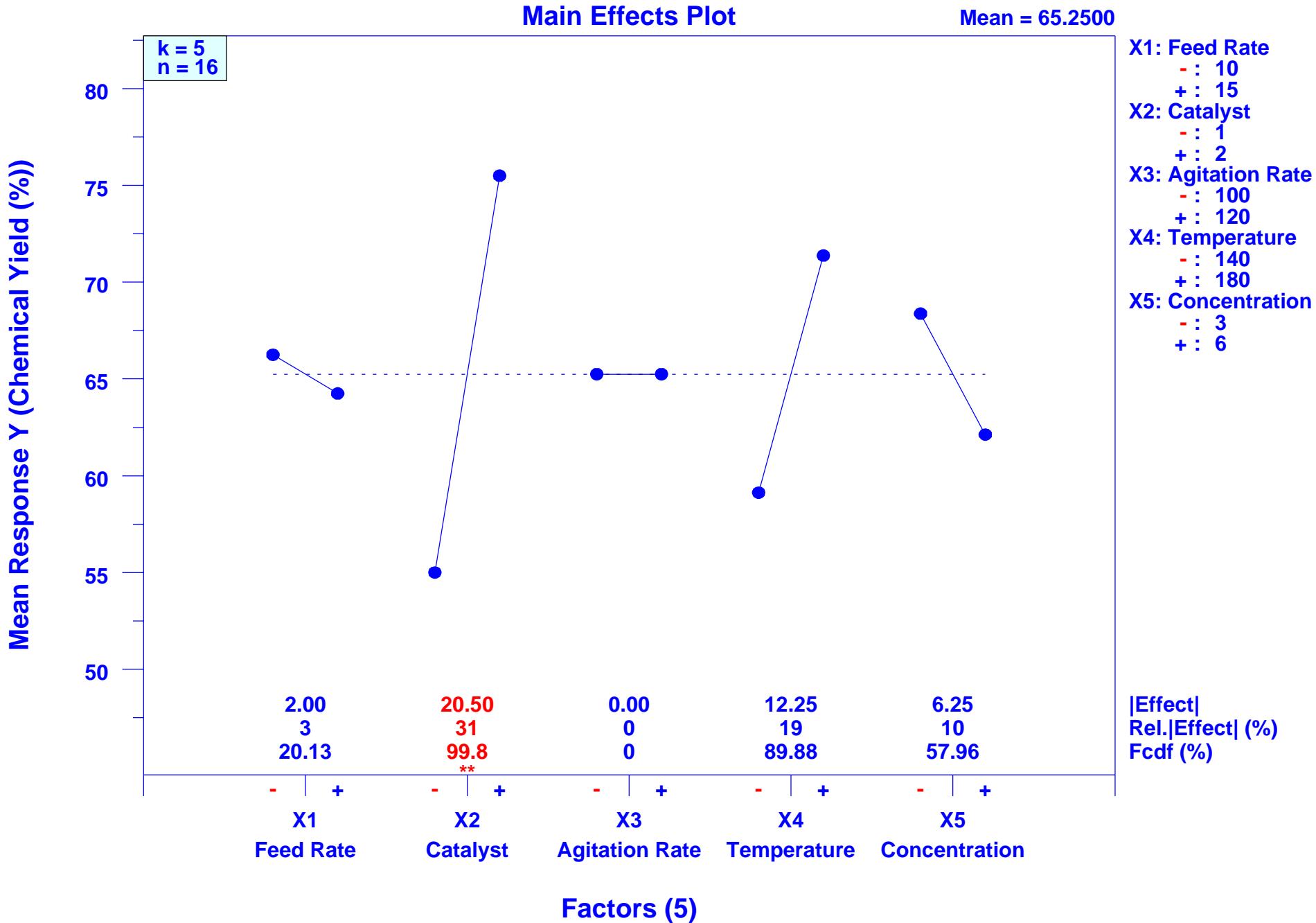
Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-1)$ ($k=5, n=16$)



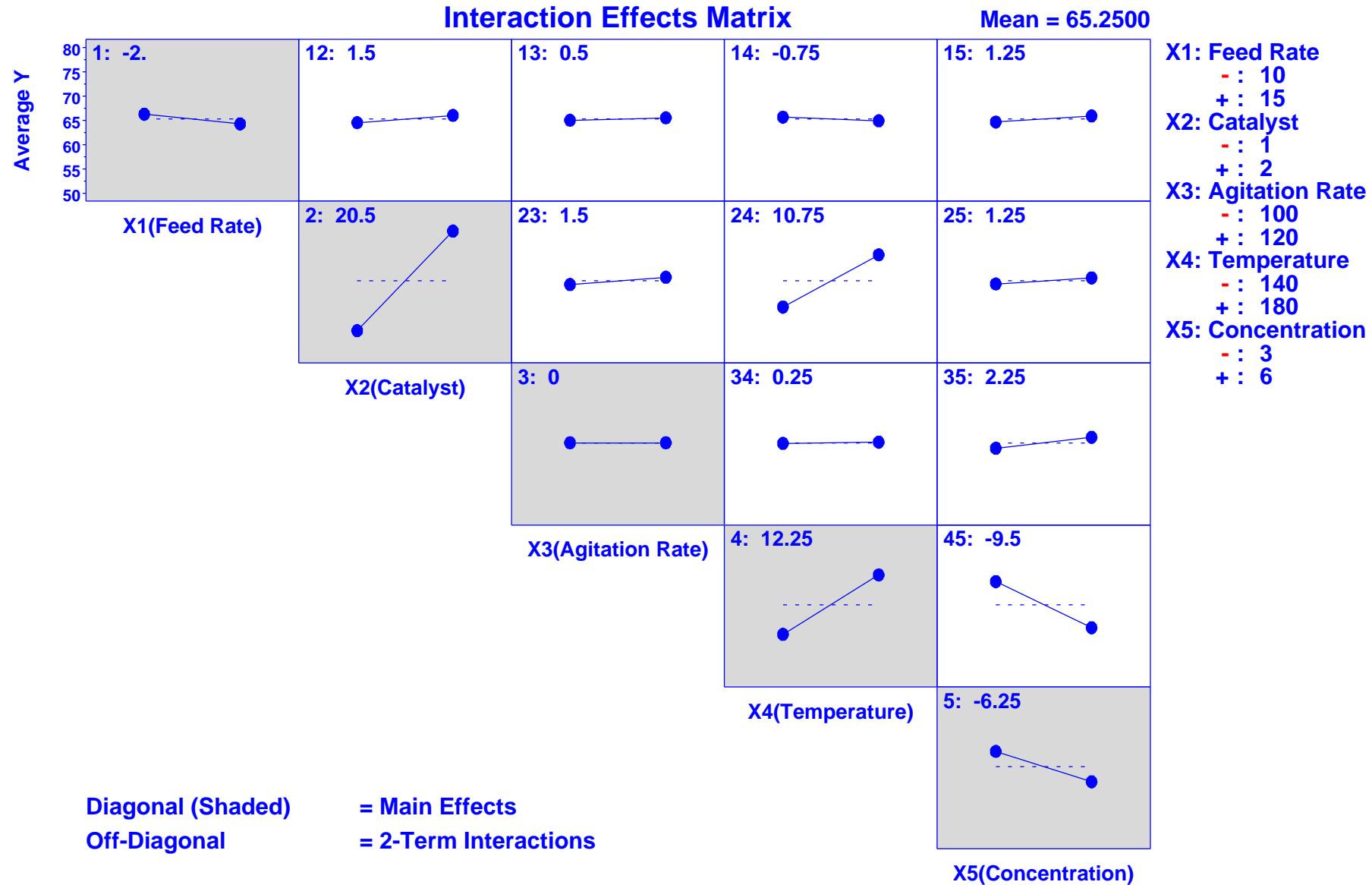
Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-1)$ ($k=5, n=16$)



Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

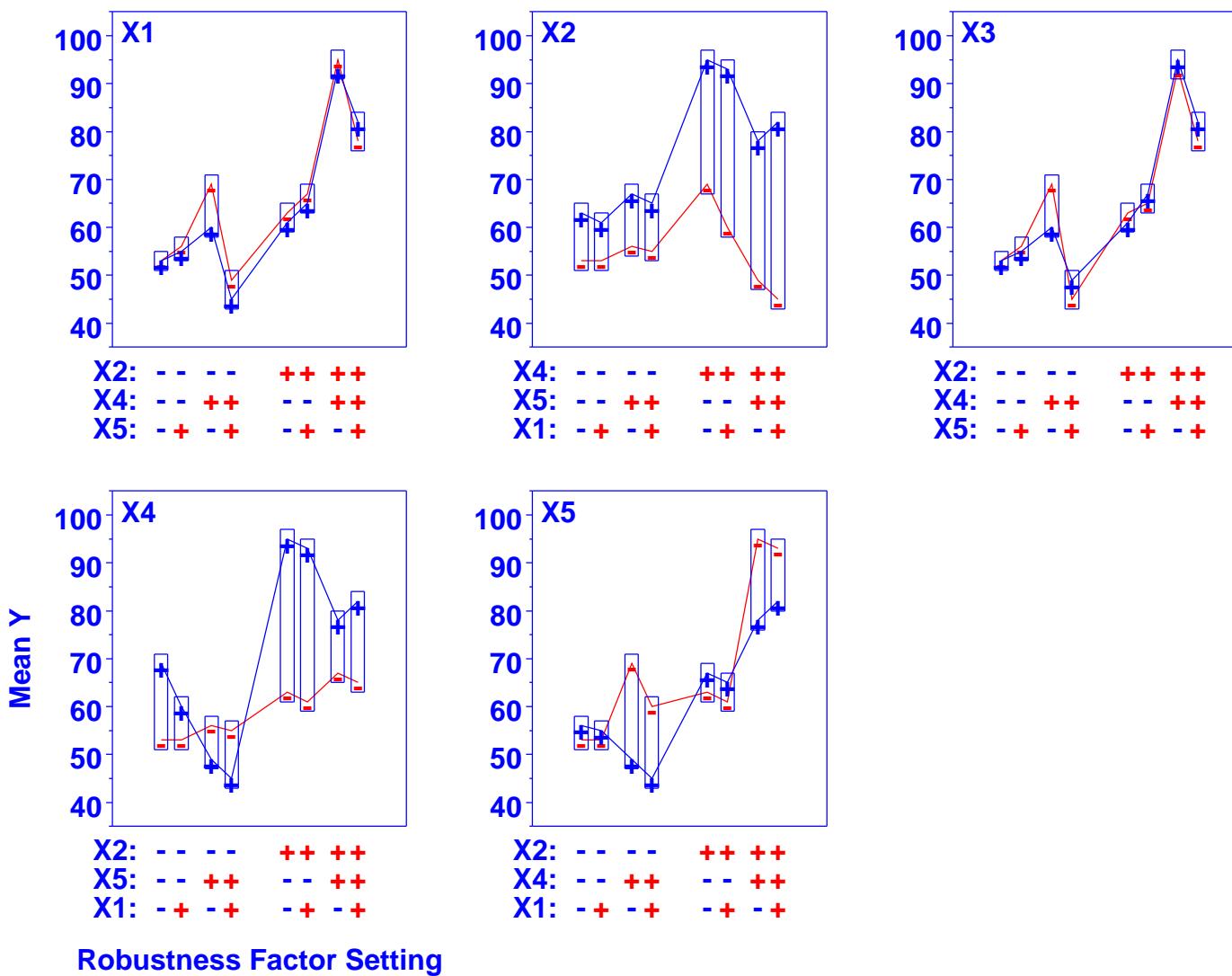
Design: $2^{**}(5-1)$ ($k=5, n=16$)



Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-1)$ ($k=5, n=16$)

Block Plot



X1: Feed Rate

- : 10
- + : 15

X2: Catalyst

- : 1
- + : 2

X3: Agitation Rate

- : 100
- + : 120

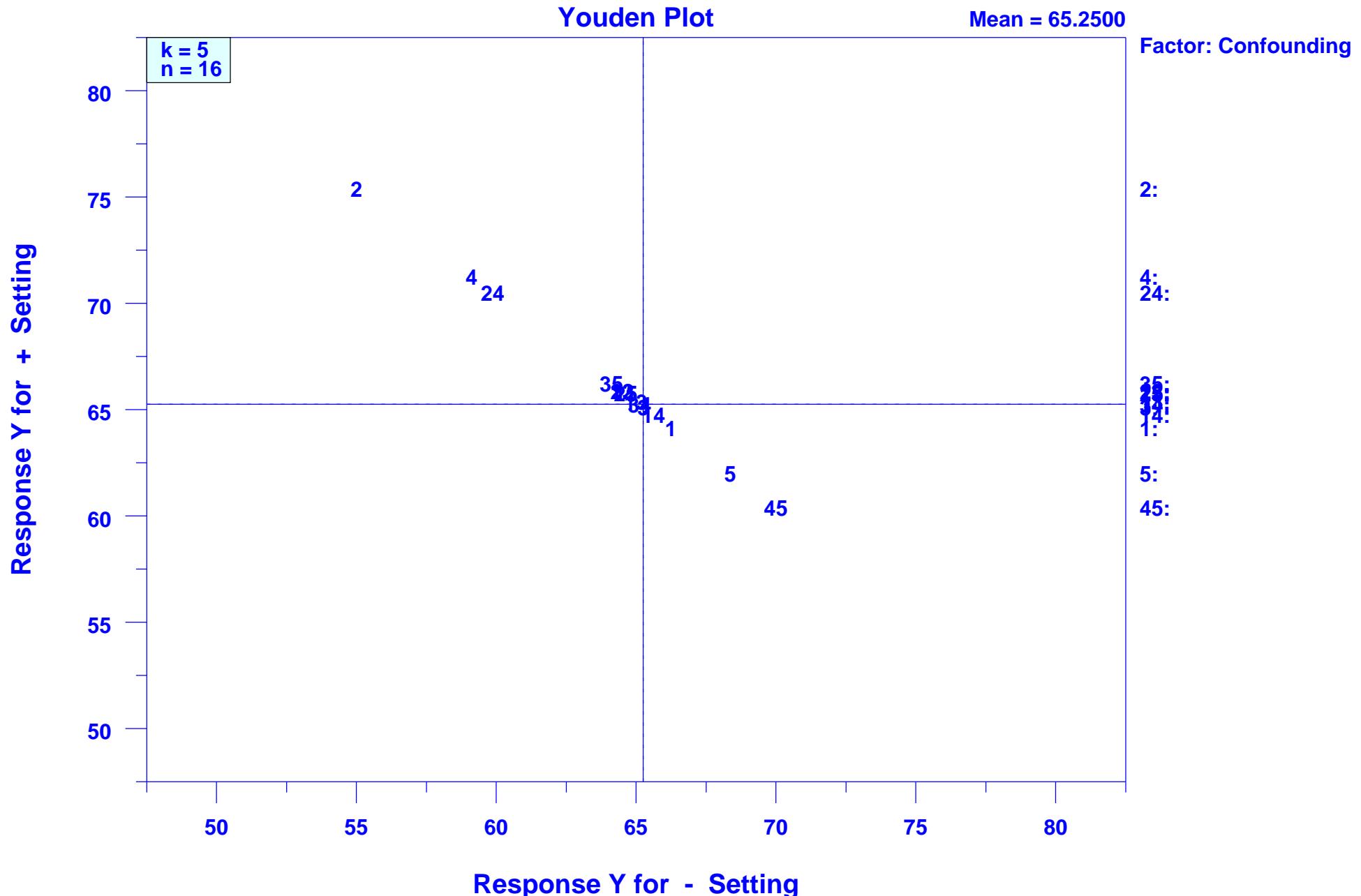
X4: Temperature

- : 140
- + : 180

X5: Concentration

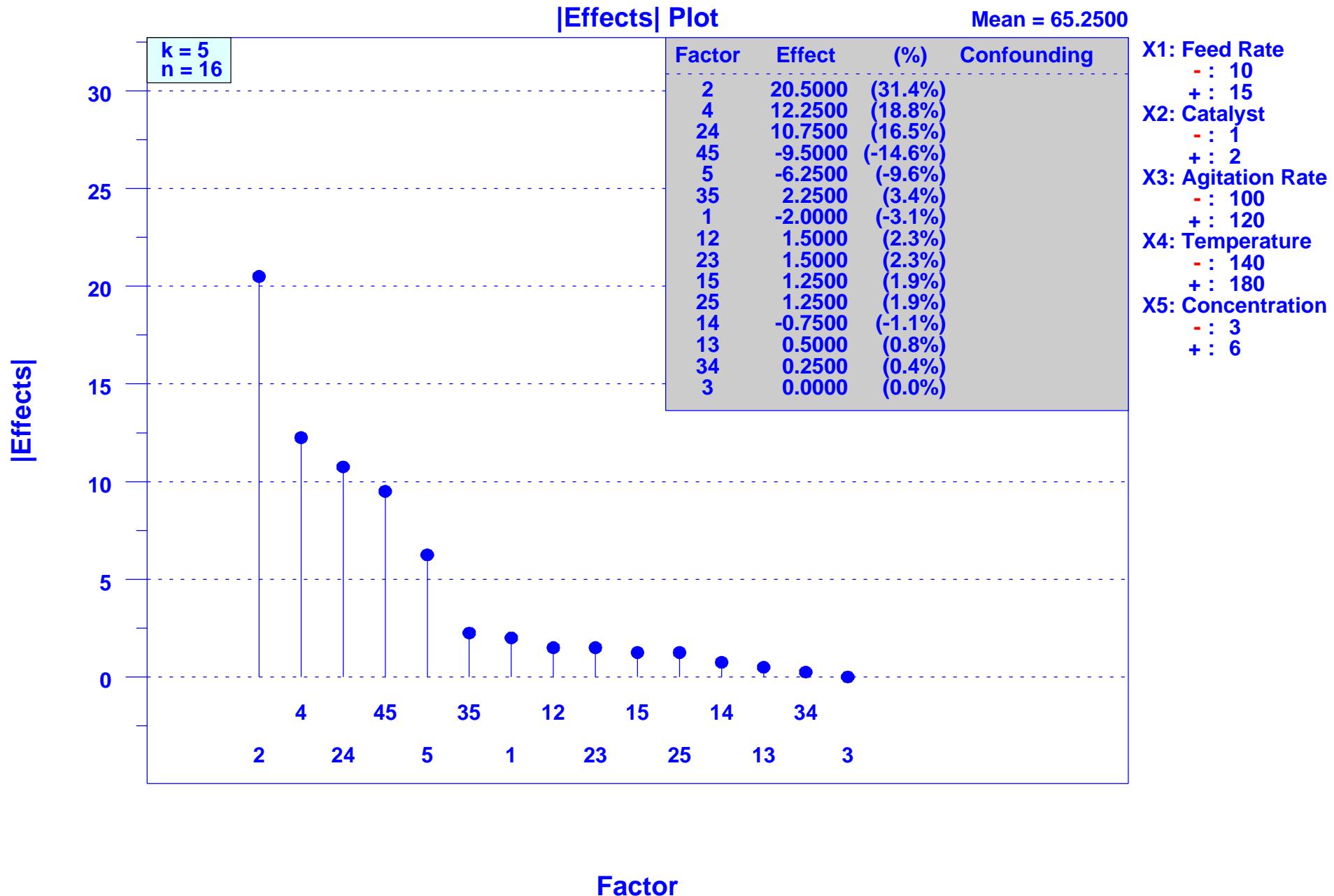
- : 3
- + : 6

Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)
Design: $2^{**}(5-1)$ ($k=5, n=16$)



Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

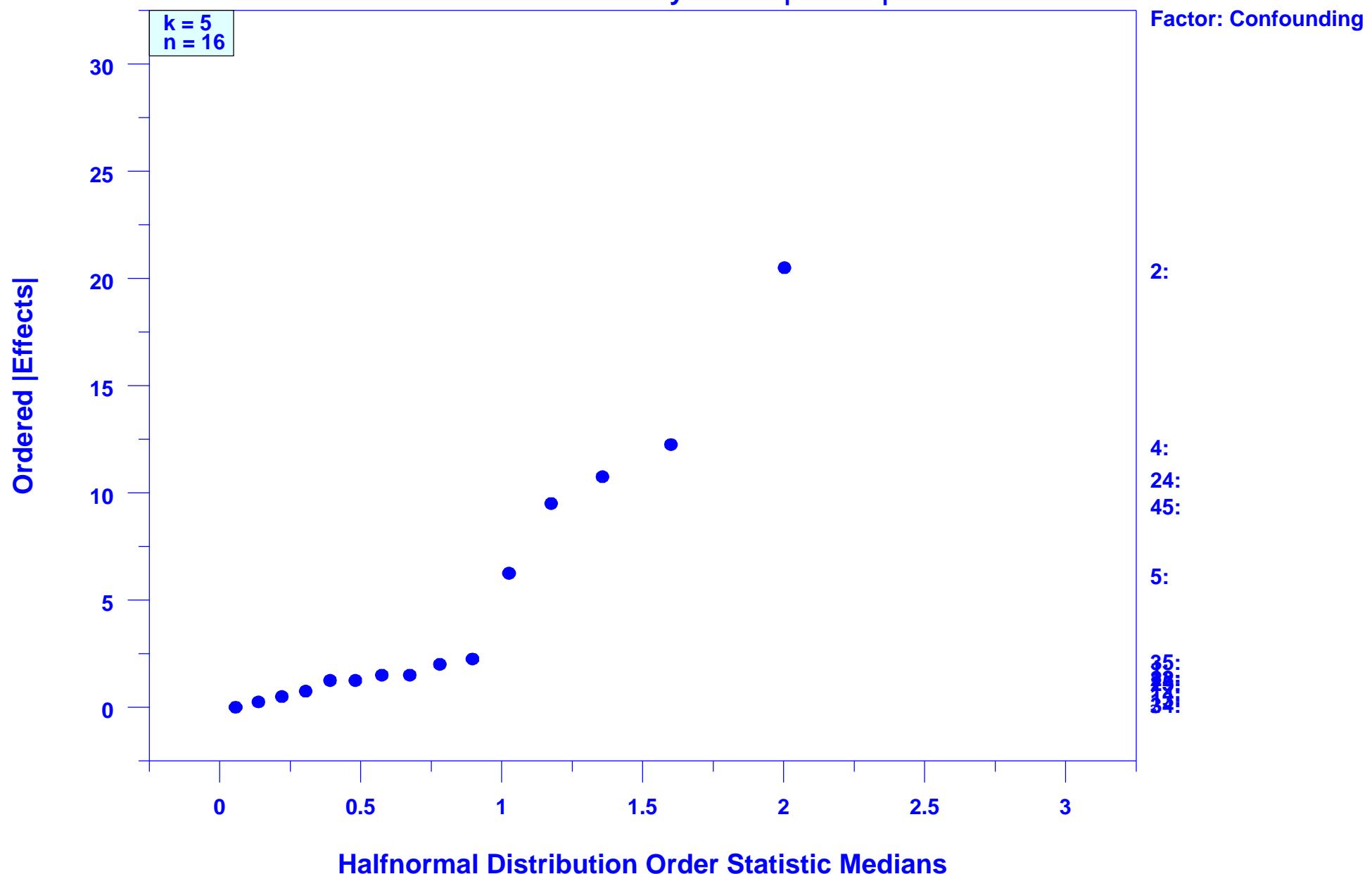
Design: $2^{**}(5-1)$ ($k=5, n=16$)



Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-1)$ ($k=5, n=16$)

Halfnormal Probability Plot of |Effects|

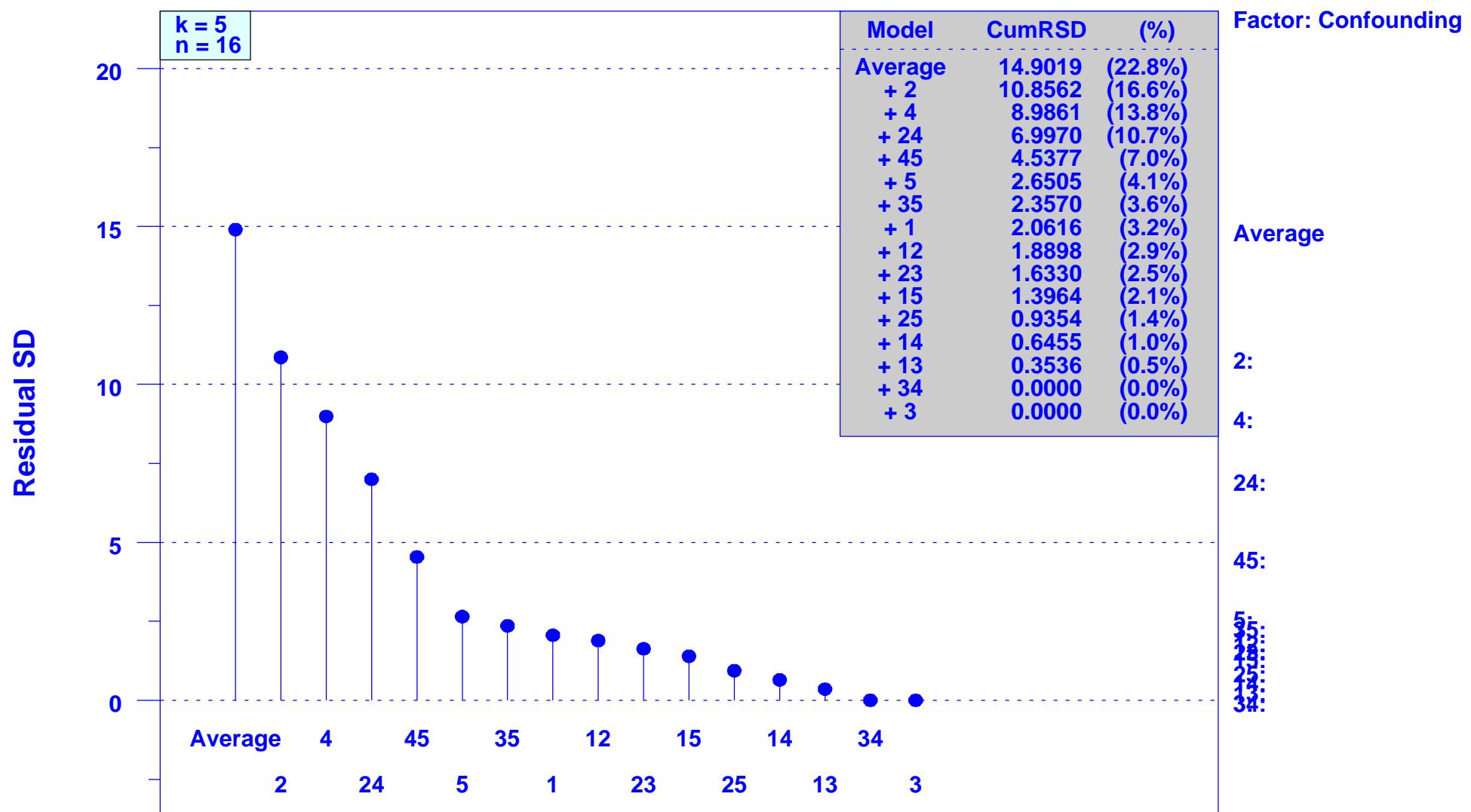


Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-1)$ ($k=5, n=16$)

Cumulative Residual SD Plot

Mean = 65.2500



Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-1)$ ($k=5, n=16$)

