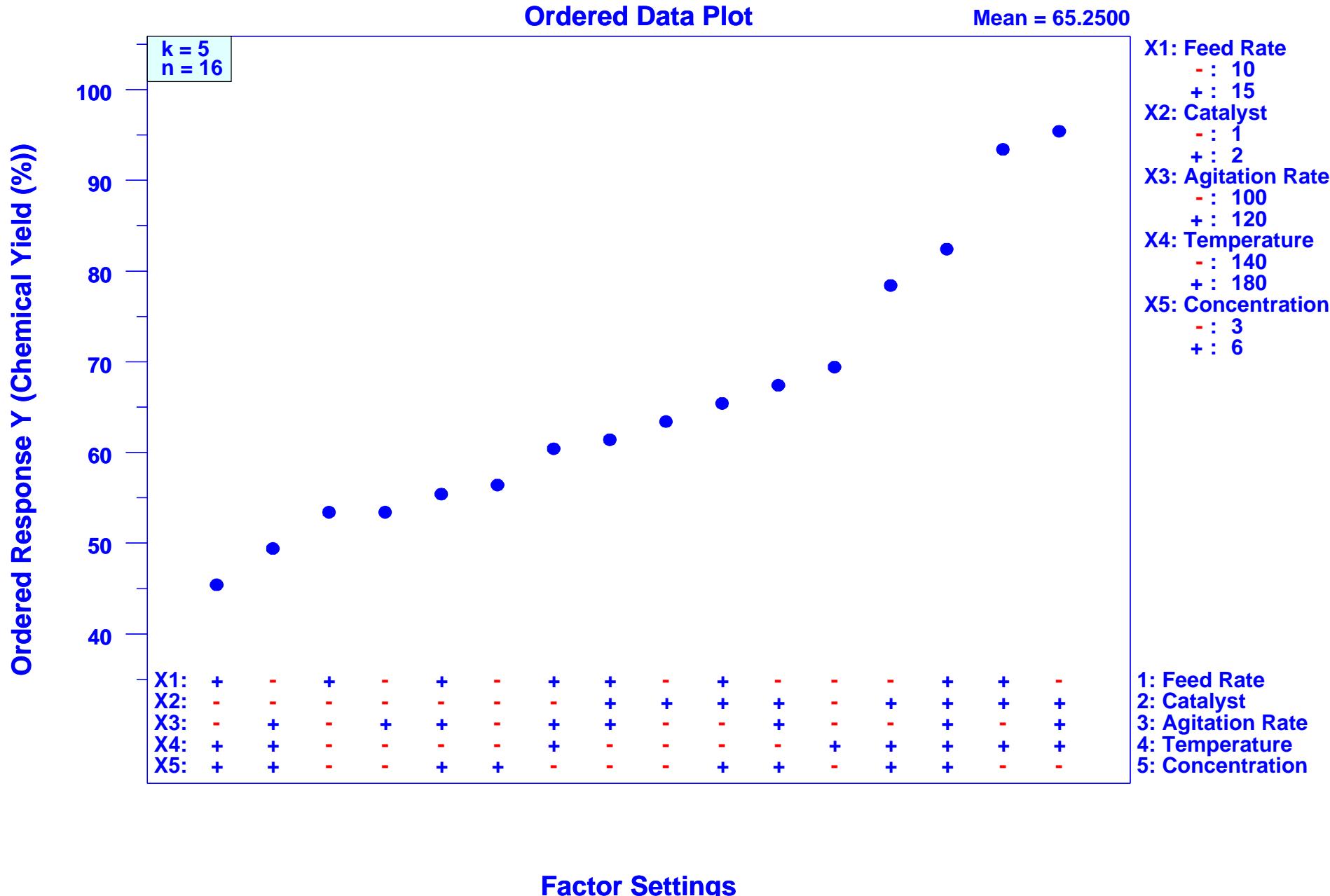


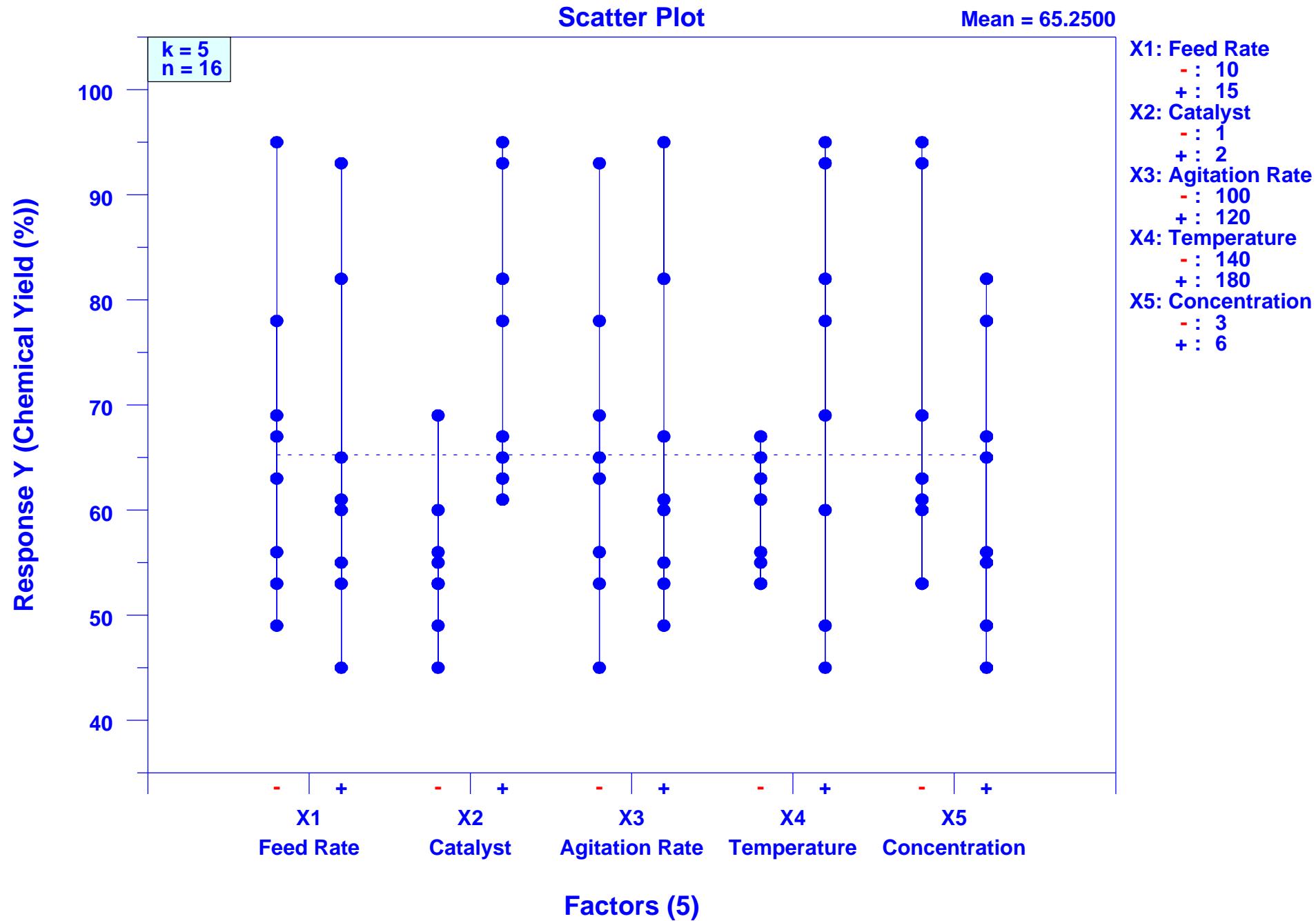
Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

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



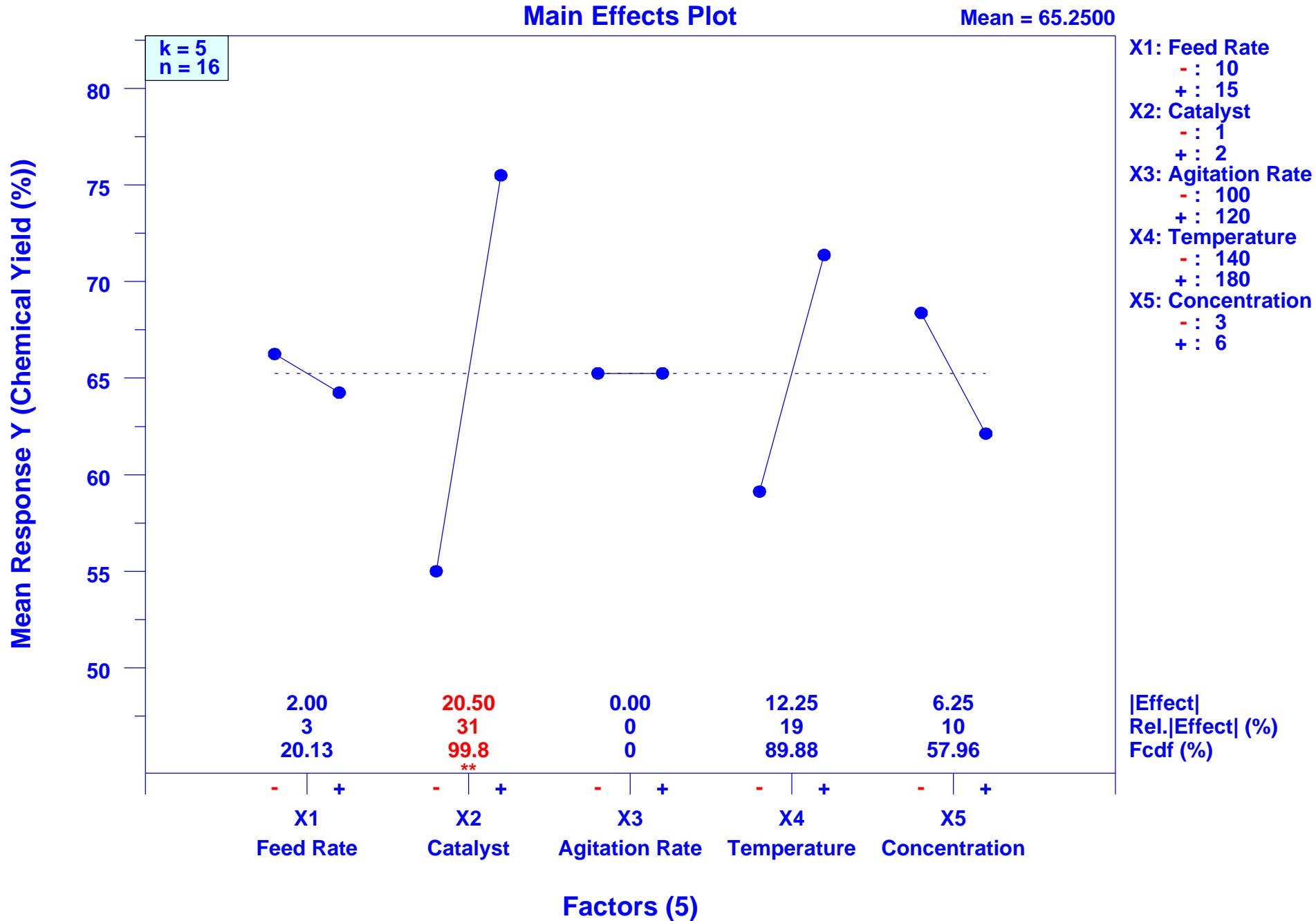
Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

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



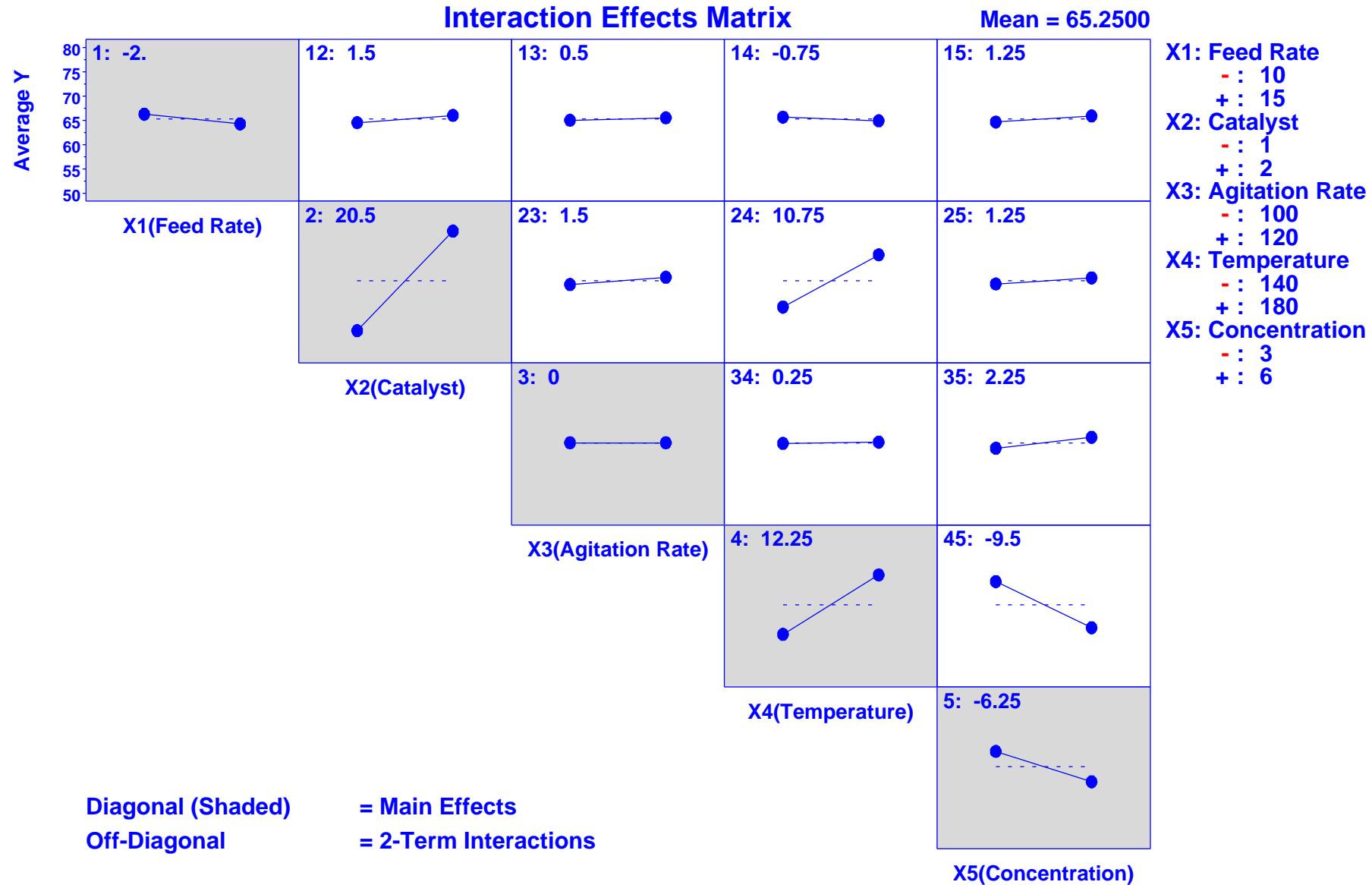
Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

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



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

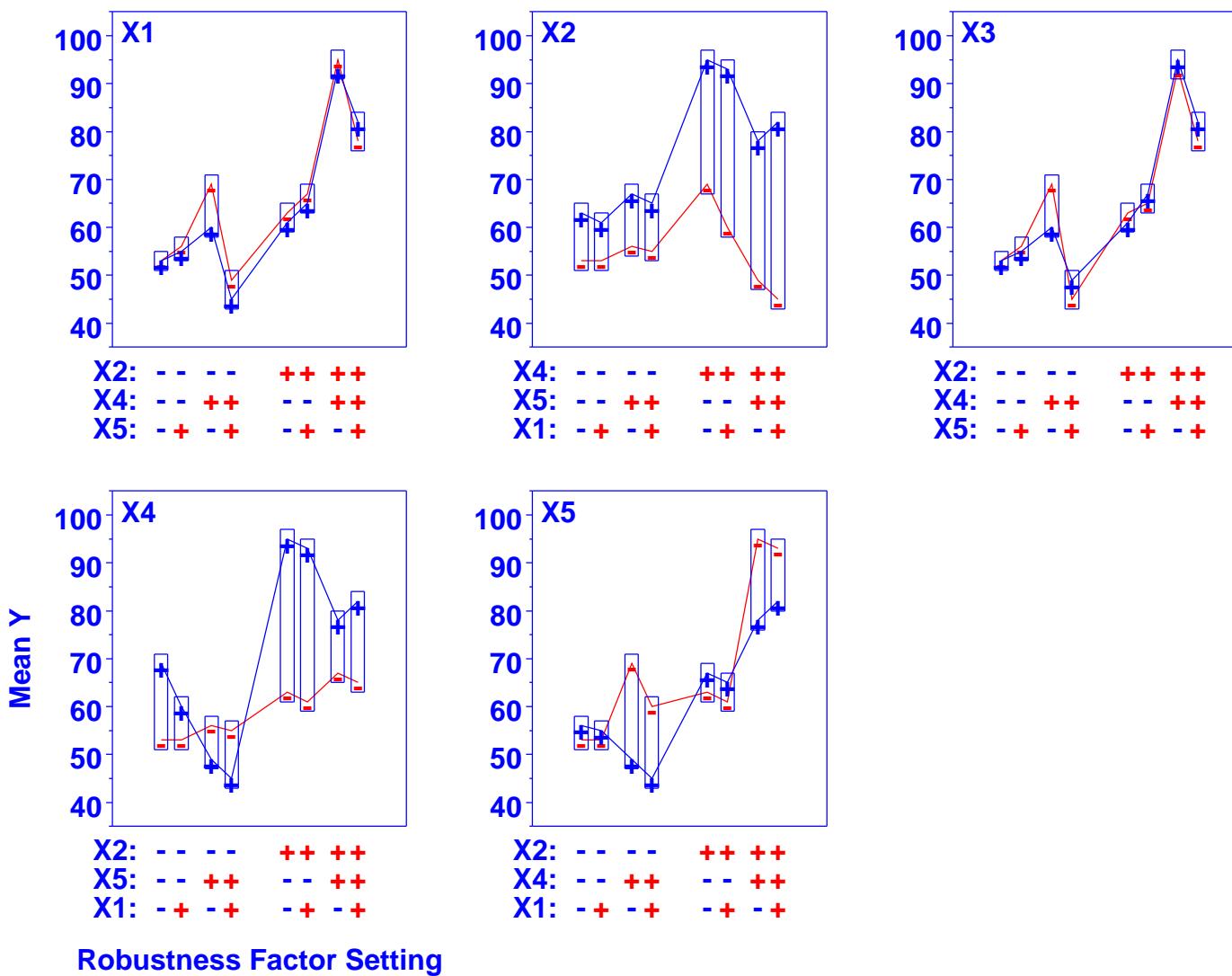
Design: $2^{**}(5-1)$ ($k=5, n=16$)



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

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

Block Plot



X1: Feed Rate
 - : 10
 + : 15

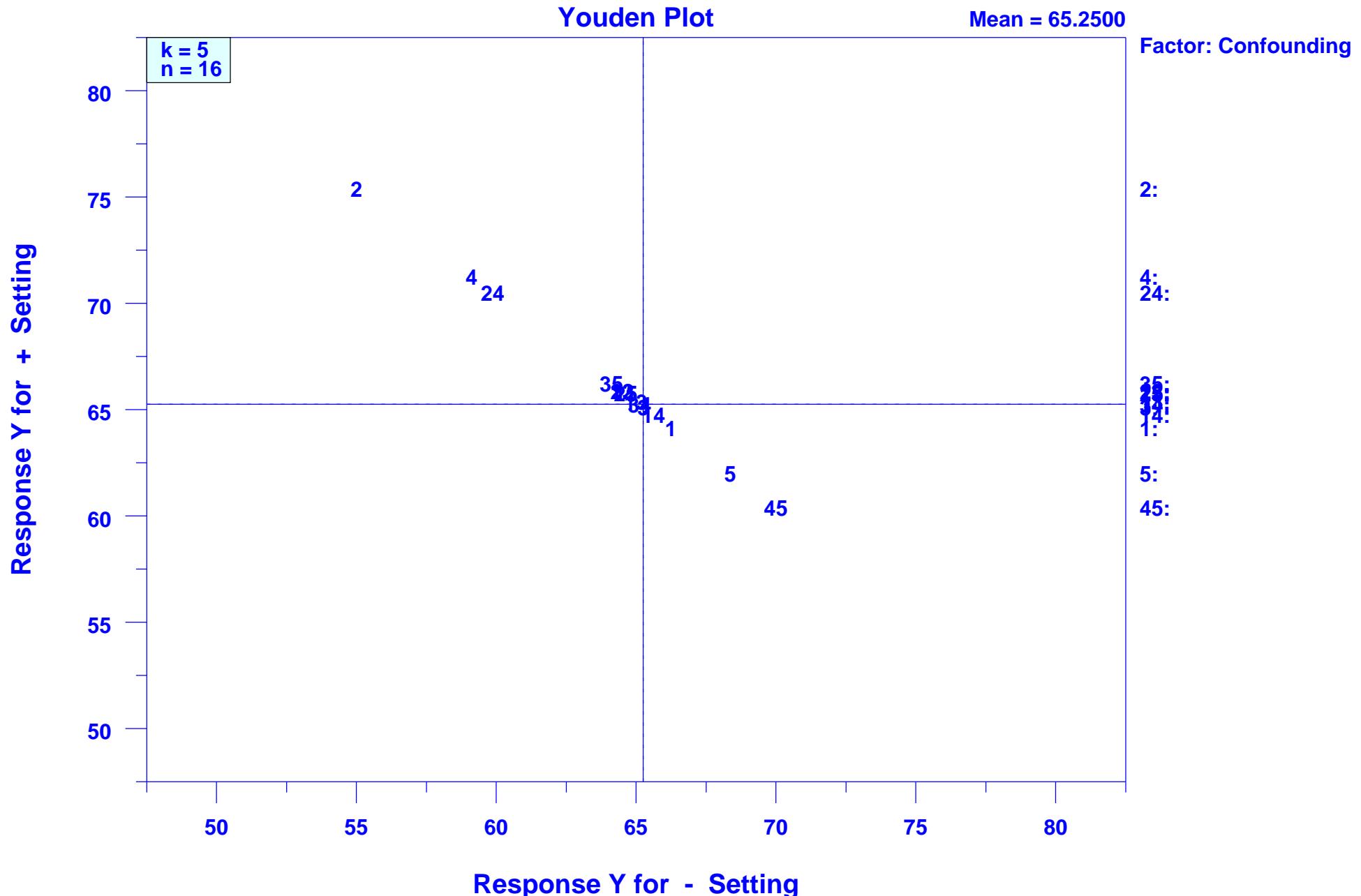
X2: Catalyst
 - : 1
 + : 2

X3: Agitation Rate
 - : 100
 + : 120

X4: Temperature
 - : 140
 + : 180

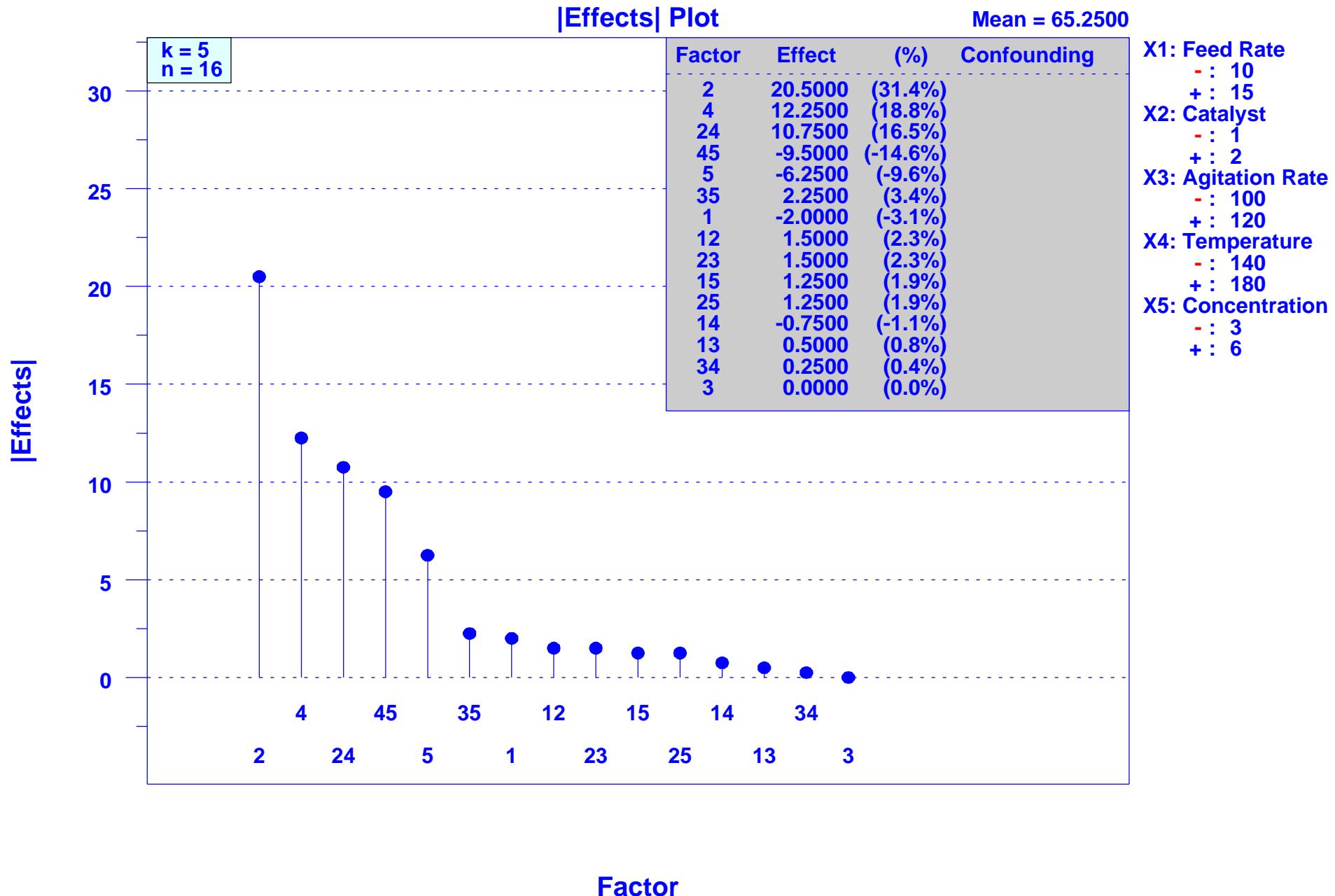
X5: Concentration
 - : 3
 + : 6

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



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

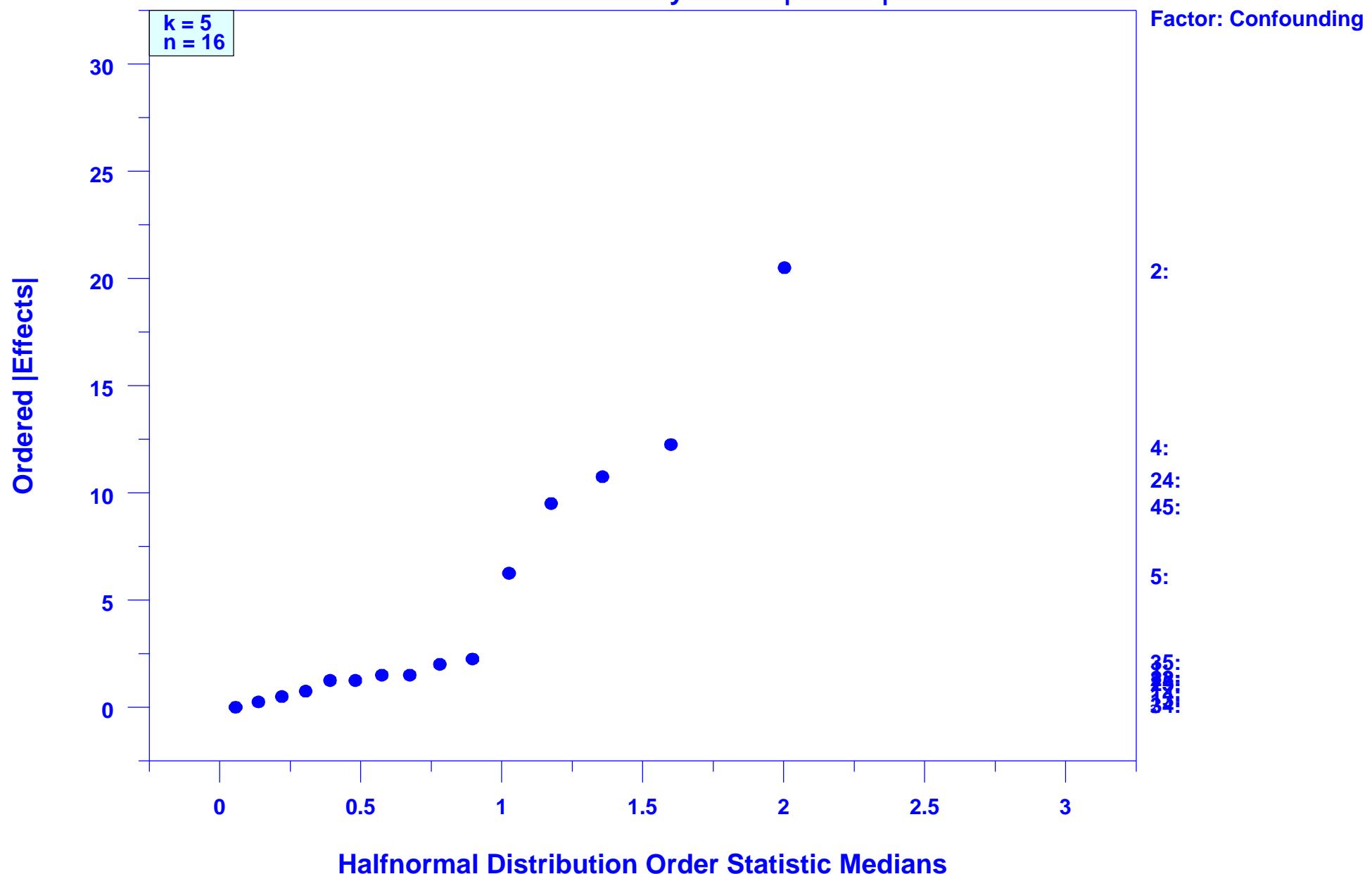
Design: $2^{**}(5-1)$ ($k=5, n=16$)



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

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

Halfnormal Probability Plot of |Effects|

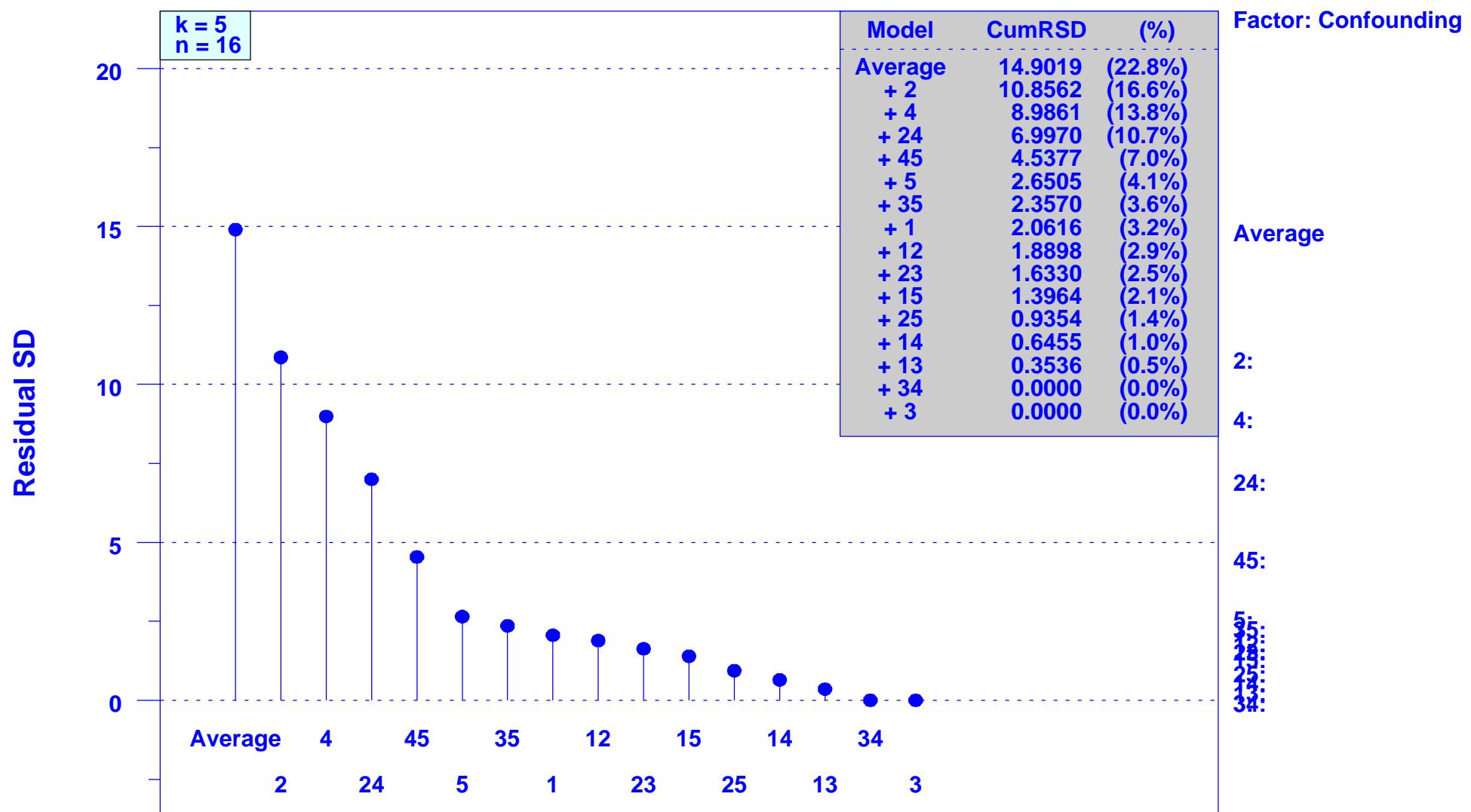


Factors Affecting Chemical Reactor Yield (Box, Hunter, & Hunter)

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

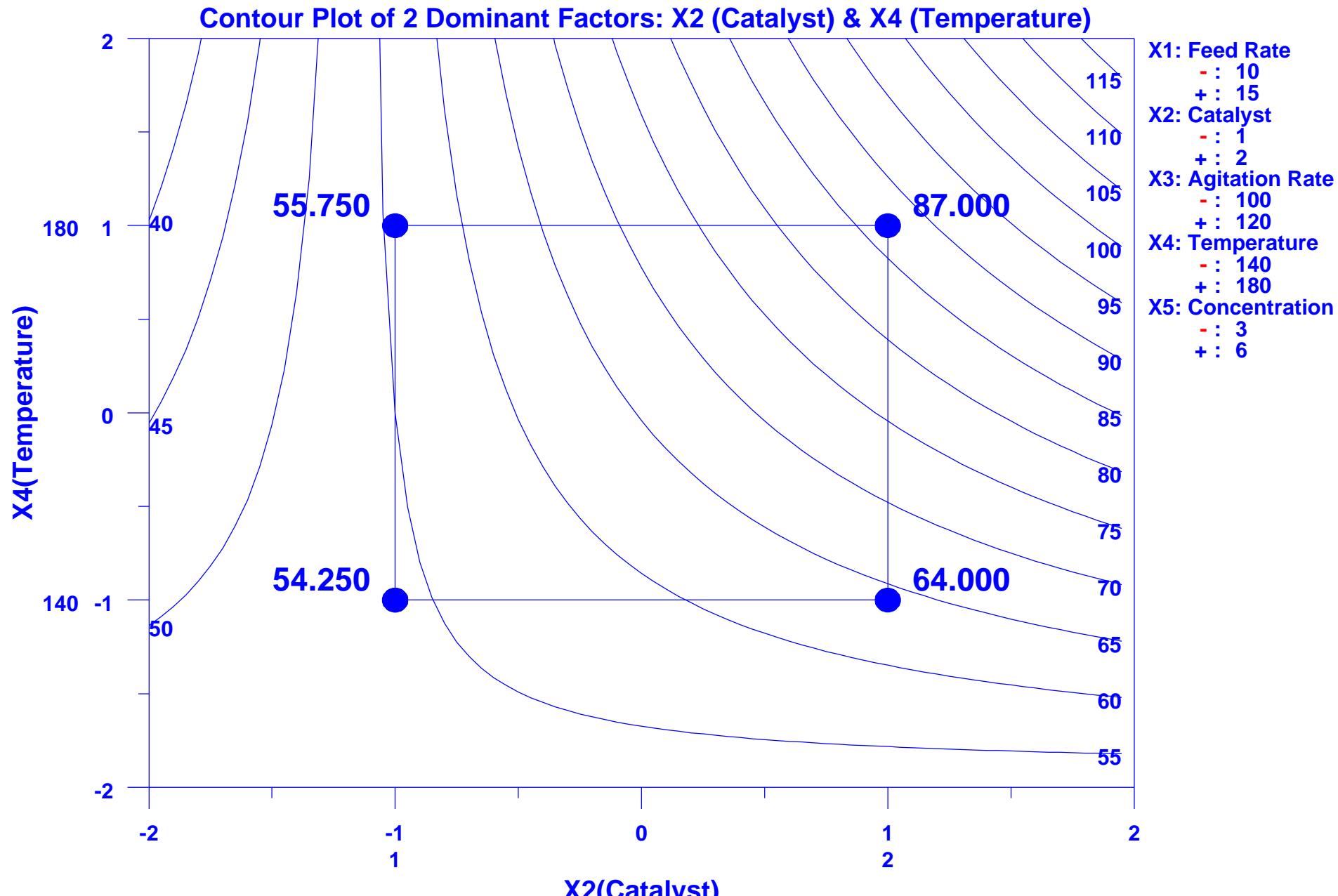
Cumulative Residual SD Plot

Mean = 65.2500



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

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



Center-Point Predicted Value (From 2-Factor Edge-based Model) = 65.2500