

TABLE 3
SOURCES OF INVALIDITY FOR QUASI-EXPERIMENTAL DESIGNS 13 THROUGH 16

Sources of Invalidity													
Internal									External				
History	Maturation	Testing	Instrumentation	Regression	Selection	Mortality	Interaction of Selection and Maturation, etc.		Interaction of Testing and X	Interaction of Selection and X	Reactive Arrangements	Multiple-X Interference	
<i>Quasi-Experimental Designs Continued:</i>													
13. Separate-Sample Pretest-Posttest Control Group Design									+	+	+		
R	O	(X)											
R		X	O										
R	O												
R			O										
13a.									+	+	+		
R	O	(X)											
R		X	O										
R'	O	(X)											
R'		X	O										
R'	O	(X)											
R'		X	O										
R	O												
R			O										
R	O												
R			O										
R	O												
R			O										
14. Multiple Time-Series									-	-	?		
O	O	O	X	O	O	O							
O	O	O	O	O	O	O							
15. Institutional Cycle Design													
Class A	X	O_1											
Class B ₁	R	O_2	X	O_3									
Class B ₂	R		X	O_4									
Class C				O_5	X								
*Gen. Pop. Con. Cl. B													
*Gen. Pop. Con. Cl. C													
$O_2 < O_1$									+	?	+		
$O_5 < O_4$									-	?	+		
$O_2 < O_3$									+	?	?		
$O_2 < O_4$									+	?	?		
$O_6 = O_7$													
$O_{2y} = O_{20}$									-				
16. Regression Discontinuity									+	-	+	+	

* General Population Controls for Class B, etc.