	Assign.	Grp.	Pre.	I.V.	Post.
Quasi-experimental designs with Major Limitations	•				
One-group posttest-only design	NR	E:		Χ	0
One-group pretest-posttest design	NR	E:	0	Χ	0
Posttest-only nonequivalent groups design	NR NR	E: C:		X ~X	0
Better Quasi-experimental designs					
Pretest-posttest nonequivalent comparison-group designs	NR NR	E: C:	0	X ~X	0
Single-group time-series designs With temporary treatment	NR	E:	000	Х	000
With continuous treatment	NR	E:	000	XOXO	XOXO
Multiple-group time-series designs With temporary treatment	NR NR	E: C:	000	X ~X	000
With continuous treatment	NR NR	E: C:	000	XOXO O O	XOXO O O
Randomized experimental designs Posttest-only control-group design	R R	E: C:		X ~X	0
Pretest-posttest control group design	R R	E: C:	0	X ~X	0
Solomon 4-group design	R R R	E <sub>1</sub> : E <sub>2</sub> : C <sub>1</sub> : C <sub>2</sub> :	0	X X ~X ~X	0 0 0
Randomized experimental design with matching	M R M R	E: C: <b>Order</b>	F	X ~X Post 1	0 0 <b>Post 2</b>
Within-subjects or crossover design	R R	E <sub>1</sub> E <sub>2</sub>	X ~X	O ~X	0
Note. Assign. = assignment of participants to groups (NR = nonrandom, R = random, M R = matched then randomly assigned). Grp. = group or condition (E: = experimental, C: = control or comparison). Pre = pretest (O = an observation or measurement; a blank means there was no pretest for that group). I.V. = active independent variable (X = intervention, ~X = control, comparison or other treatment). Post = posttest (O = a posttest observation or measure).					
FIGURE 5.1					

FIGURE 5.1
Summary of Specific Designs for Experiments and Quasi-Experiments.