





TRAININ	G DATA	L	
Training data can be used when late certain individuals in the sample.	ent class mem	bership is know	n for
Training data must include one vari- individual receives a value of 0 or 1 indicates that the individual is not a indicates that the individual is allow	able for each for each clas llowed to be yed to be in th	latent class. Ead s variable. A ze in the class. A o ne class.	ch ero one
CACE Application			
CACE Application			
With CACE models, there are two of The treatment group has known class does not. Therefore, the training dat	classes, comp ss membershi ta is as follow	liers and nonco p. The control g	mplie group
With CACE models, there are two c The treatment group has known class does not. Therefore, the training dat	classes, comp ss membershi ta is as follow Class 1 Compliers	liers and noncomp. The control gravity of the	mplie group
With CACE models, there are two c The treatment group has known class does not. Therefore, the training dat	classes, comp ss membershi ta is as follow Class 1 Compliers 1	liers and noncomp. The control generation of the control generation of the control generation of the control of	mplie group
With CACE models, there are two c The treatment group has known clas does not. Therefore, the training dat Control Group Treatment Group Compliers	classes, comp ss membershi ta is as follow Class 1 Compliers 1 1	liers and noncomp p. The control g 's: Class 2 Non-Compliers 1 0	mplie: group
With CACE models, there are two of The treatment group has known class does not. Therefore, the training dat Control Group Treatment Group Compliers Treatment Group NonCompliers	classes, comp ss membershi ta is as follow Class 1 Compliers 1 1 0	liers and noncomp. p. The control governments (lass 2 Non-Compliers 1 0 1	mplie group

JOBS Data

The JOBS data are from a Michigan University Prevention Research Center study of interventions aimed at preventing poor mental health of unemployed workers and promoting high quality of reemployment. The intervention consisted of five half-day training seminars that focused on problem solving, decision making group processes, and learning and practicing job search skills. The control group received a booklet briefly describing job search methods and tips. Respondents were recruited from the Michigan Employment Security Commission. After a series of screening procedures, 1801 were randomly assigned to treatment and control conditions. Of the 1249 in the treatment group, only 54% participated in the treatment.

The variables collected in the study include depression scores and outcome measures related to reemployment. Background variables include demographic and psychosocial variables.

5





Inn	ut For Compliar Avarage Causal Effect
mp	(CACE) Model
TITLE:	Complier Average Causal Effect (CACE) estimation in a randomized trial.
DATA:	FILE IS wjobs.dat;
VARIABLE:	NAMES ARE depress risk Tx depbase age motivate educ assert single econ nonwhite x10 c1 c2;
	USEV ARE depress risk Tx depbase age motivate educ assert single econ nonwhite c1-c2;
	CLASSES = c(2); TRAINING = c1-c2;
ANALYSIS:	TYPE = MIXTURE;
MODEL:	%OVERALL%
	depress ON Tx risk depbase; c#1 ON age educ motivate econ assert single nonwhite;
	%C#2% !c#2 is the noncomplier class (noshows)
	[depress];
	depress ON Tx@0;
OUTPUT:	TECH8; 8

(CACE) Model			
Fests Of M	1odel Fit		
Loglikelih	ood		
	HO Value	-729.414	
Informatio	n Criteria		
	Number of Free Parameters	14	
	AKalke (ALC) Bavesian (BLC)	1486.828 1545.888	
	Sample-Size Adjusted BIC $(n^* = (n + 2) / 24)$	1501.451	
	Entropy	0.727	



Model Results (Continued)			
	Éstimates	S.E.	Est./S.E.
Class 1			
Depress ON			
TX	310	.130	-2.378
RISK	.912	.247	3.685
DEPBASE	-1.463	.181	-8.077
Residual Variances	5		
DEPRESS	.506	.037	13.742
Intercepts			
DEPRESS	1.812	299	6 068

Model Results (Co	ntinued)			
	Estimates	S.E.	Est./S.E.	
Class 2				
Depress ON				
TX	.000	.000	.000	
RISK	.912	.247	3.685	
DEPBASE	-1.463	.181	-8.077	
Residual Variances	3			
DEPRESS	.506	.037	13.742	
Intercepts				
DEPRESS	1.633	.273	5.977	

Model 1	Results (Cont	inued)		
LATENT	CLASS REGRESS	ION MODEL PART		
C#1	ON			
AGE		.079	.015	5.184
EDUC		.300	.068	4.390
MOTI	VATE	.667	.157	4.243
ECON		159	.152	-1.045
ASSE	RT	376	.143	-2.631
SING	LE	.540	.283	1.908
NONW	HITE	499	.317	-1.571
Interce	pts			
C#1	_	-8.740	1.590	-5.498

