	VARIABLESYNT	н					
COVARIATE	В	BETA	STD. ERR.	T-VALUE	SIG. OF	T LOWER .95 CI	L UPPER .95 CI
NTEL	.0555153073	.4727752433	.05165	1.07475	20	3704814	4 1501
ONOBV	.2008178054		.24128	.83231	.20	928334	
ONRMT		.2648440705	.47795	. 29520	. 40	928334 98179	
0B		9994055945	.33236				
IÌ	0015680423			66986			
12	0009030738	- 2073789045	.00234.	20380			
13	.0030798107	1.2548388165	.00314	.98169	. 33		
EPENDENT	VARIABLEEVAL						0050
OVARIATE	В	BETA	STD. ERR.	T-VALUE	SIG. OF	T LOWER .95 C	L UPPER .95 C
NTEL	0094648415	0700004101					
ONOBV	~.1937798157	7413104806	.05701	16602	.86		
ONRMT		.7901962055	. 26629	72770	. 47		3 .3405
OB		8648268789	.52750	.81424	.41		1.4880
ĬĬ		1.0339290659	.36682	77233	. 44	3 –1.0193	7 .4527
12	0032614042	7740404055	.00258	. 92057 66690	.36	20028	.0075
13	0035330033	1.0115178798	.00489	66690	. 50	.0028 80130 80044	7 .0065
	.0020000022	1.0113176796	.00346	.73156	. 46	i800 44 :	.0094
	FOR SYNTH ADJUS	TED FOR 7 COVAR	IATES	-		·	
ONSTANT							UDDED OF O
ONSTANT PARAMETER 1	C0EFF -4.052058633	. STD. ERF 5 5.2152	R. T-VAL 4776	UE SIG 96	. 0F T L	OWER .95 CL -14.51720	6.41309
PARAMETER 1			776	UE SIG 96 	. 0F T L 441	.0WER .95 CL -14.51720	6.41309
PARAMETER 1 STIMATES	-4.0520586339 		776	UE SIG 96 	. OF T L 441	OWER .95 CL -14.51720	6.41309
PARAMETER 1	-4.0520586339	ED FOR 7 COVARIA	TES	JE SIG		-14.51720	6.41309

All of the output related to multivariate significance tests that can be obtained by using the PRINT phrase as described in Section 1.33 is also available in the multivariate regression analysis.

1.41 Canonical Analysis

MANOVA can also be used to obtain the canonical correlation between the dependent and independent variables entered into the multivariate regression model. Canonical correlation analysis obtains the linear combinations $u_i = \mathbf{a}_i$ 'Y and $v_i = \mathbf{b}_i$ 'X ($i = 1, 2, ... \min(p, q)$) such that the sample correlation between u_i and v_i , is maximized. The sample correlation between u_i and v_i is greatest among all linear combinations uncorrelated with u_i and v_i , and so on. The \mathbf{a}_i and \mathbf{b}_i are the canonical coefficients for the dependent and independent variables, respectively, and the pairs of linear combinations u_i and v_i are called the canonical variates.

The format of the PRINT subcommand requesting canonical analysis is

PRINT=DISCRIM(output list)/

The output list may include requests for

1 The raw canonical coefficients. If

PRINT=DISCRIM(RAW)/

is specified, the raw canonical coefficients for the dependent variables and the independent variables are produced. For Figure 1.40a, the output in Figure 1.41a is obtained.

Figure 1.41a

RAW CANONICAL COEFFICIENTS FOR DEPENDENT VARIABLES

FUNCTION NO.

VARIABLE 1

SYNTH .40444
EVAL .22637