```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:09:09
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.47
	Elapsed Time	00:00:00.48

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

The following independent variables are constant in the training sample and are excluded from the analysis: D8.

Case Processing Summary

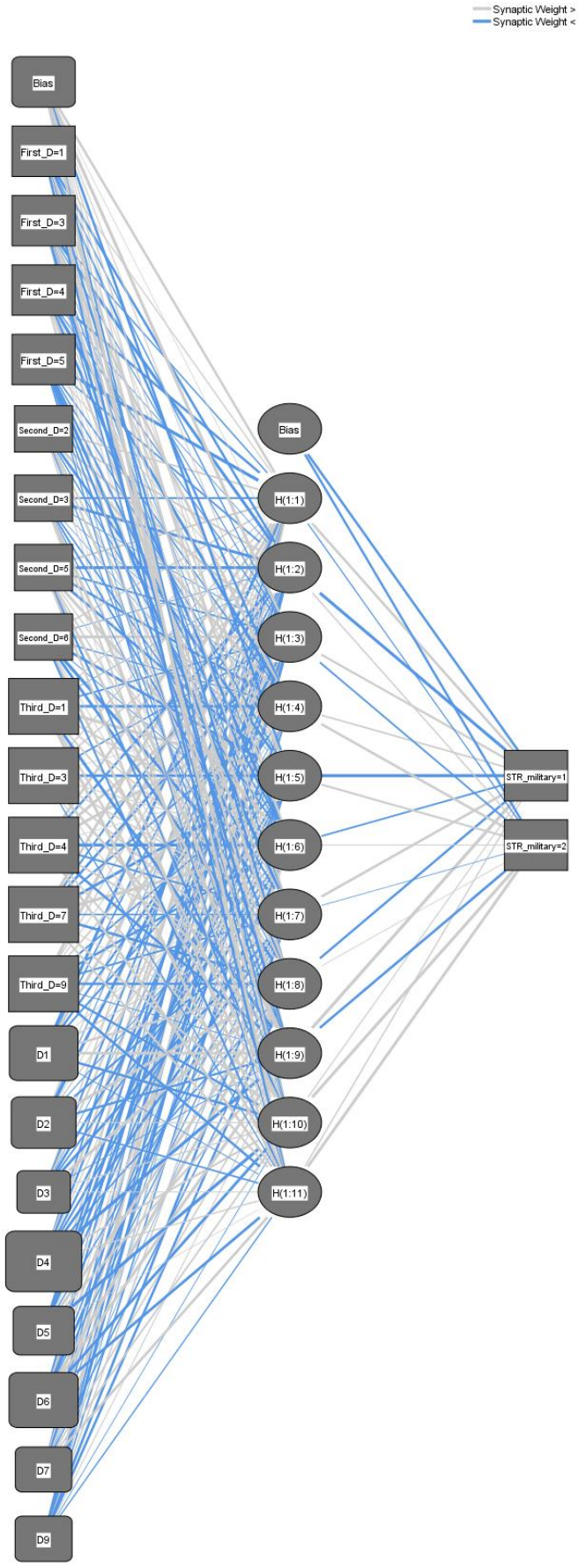
		N	Percent
Sample	Training	6	85.7%
	Testing	1	14.3%
Valid		7	100.0%
Excluded		97	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	LIFESTYLE CHANGES
		8	BUREAUCRATIC RESPONSE

	Number of Units[a]	21
	Rescaling Method for Covariates	Standardized
Hidden Layer(s)	Number of Hidden Layers	1
	Number of Units in Hidden Layer 1[a]	11
	Activation Function	Hyperbolic tangent
Output Layer	Dependent Variables 1	Militarylike strategy
	Number of Units	2
	Activation Function	Softmax
	Error Function	Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	1.369
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.03
Testing	Cross Entropy Error	.017
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted												
		Hidden Layer 1											Output Layer	
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	H(1:8)	H(1:9)	H(1:10)	H(1:11)	[STR_military =1]	[STR_military =2]
Input Layer	(Bias)	.475	.017	.720	.093	-.483	.151	.114	.116	.114	-.232	.805		
	[First_D=1]	.125	-.461	-.180	-.417	.074	.426	.275	-.409	.488	.389	-.423		
	[First_D=3]	-.183	-.703	-.108	.545	.286	-.048	-.130	.615	-.577	-.209	.020		
	[First_D=4]	-.448	-.052	-.151	-.687	.124	-.602	.413	.035	.023	.034	.142		
	[First_D=5]	-.933	-.257	.096	-.209	-.202	-.377	-.834	-.382	-.207	-.066	-.151		
	[Second_D=2]	.288	.369	.477	.547	-.521	-.159	.320	.423	-.128	.022	.092		
	[Second_D=3]	-.304	-.625	-.076	-.023	-.007	-.246	-.322	-.103	.724	.328	.039		
	[Second_D=5]	.380	-.680	-.320	-.461	-.523	.680	.125	.237	.600	-.376	.407		
	[Second_D=6]	.224	-.077	.648	-.182	-.528	-.088	-.860	-.572	.080	.535	-.343		
	[Third_D=1]	.132	-.045	-.253	-.570	.739	.343	.235	.248	-.707	.385	.617		
	[Third_D=3]	.200	.227	-.233	.027	-.587	.124	.216	.316	.502	.096	-.148		
	[Third_D=4]	.537	-.434	.679	.605	.033	-.824	-.336	.325	-.513	.292	.517		
	[Third_D=7]	.625	-.316	-.497	-.340	-.582	.945	-.230	-.520	.095	.420	.382		
	[Third_D=9]	.775	.187	.091	.284	-.302	-.437	-.303	-.500	-.079	-.417	-.491		
	D1	-.630	-.236	.661	-.398	-.328	.063	.154	.454	.594	-.483	-.076		
	D2	.114	-.097	-.695	.075	.193	-.107	-.371	.746	-.404	.087	-.242		
	D3	.187	-.339	.348	-.062	-.450	-.301	-.531	.904	-.074	.143	.083		
	D4	-.259	.433	-.387	.110	-.368	-.361	-.508	-.237	-.877	.364	.163		
	D5	.261	-.403	-.578	-.495	-.292	.070	-.183	.603	.403	-.859	.008		

	D6	-.072	-.356	.078	.401	-.215	-.524	-.153	.866	.674	-.591	-.544	
	D7	-.229	-.200	.596	-.225	-.090	.222	-.023	-.221	.215	.280	.515	
	D9	.396	-.308	-.715	-.047	-.219	.193	-.488	-.459	.089	-.052	-.158	
Hidden Layer 1	(Bias)												-.465	-.432
	H(1:1)												.491	-.124
	H(1:2)												-.742	.168
	H(1:3)												.403	-.277
	H(1:4)												.246	.495
	H(1:5)												-.824	.373
	H(1:6)												-.266	.083
	H(1:7)												.498	-.038
	H(1:8)												-.438	.047
	H(1:9)												1.105	-.497
	H(1:10)												.105	.726
	H(1:11)												.165	.685

Classification

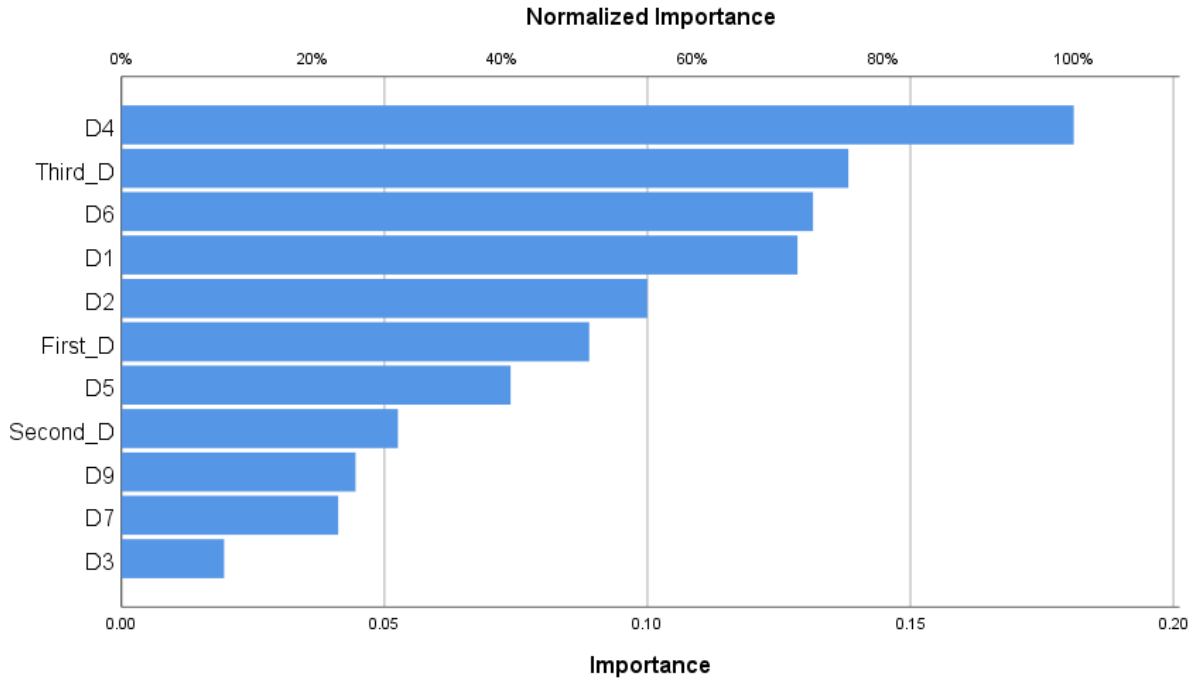
Sample	Observed	Predicted worst option	Predicted mediocre option	Percent Correct
Training	worst option	4	0	100.0%
	mediocre option	0	2	100.0%
	Overall Percent	66.7%	33.3%	100.0%
Testing	worst option	1	0	100.0%
	mediocre option	0	0	0.0%
	Overall Percent	100.0%	0.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.089	49.1%
Second discourse in text	.053	29.0%
Third discourse in text	.138	76.3%
CONTACT RESTRICTION	.129	71.0%
SANITATION AND HYGIENE	.100	55.2%
ISOLATION OF INFECTED	.020	10.8%
TOTAL ISOLATION	.181	100.0%

HEALTH CARE	.074	40.9%
VIRUS DISSEMINATION	.132	72.6%
LIFESTYLE CHANGES	.041	22.8%
BUREAUCRATIC RESPONSE	.045	24.6%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:09:18
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.45
	Elapsed Time	00:00:00.47

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

The following independent variables are constant in the training sample and are excluded from the analysis: D7, D8.

Case Processing Summary

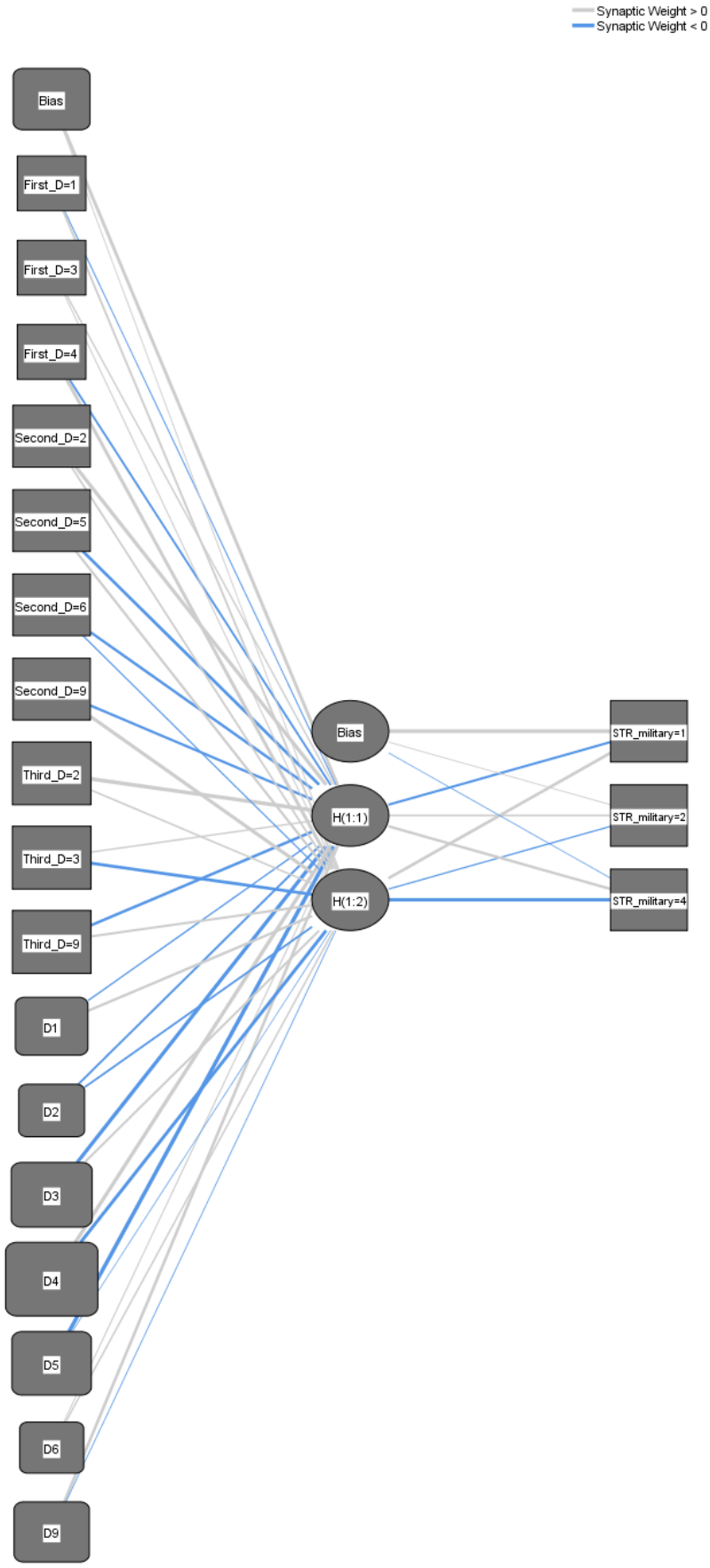
		N	Percent
Sample	Training	5	83.3%
	Testing	1	16.7%
Valid		6	100.0%
Excluded		98	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	BUREAUCRATIC RESPONSE
	Number of Units[a]		17
	Rescaling Method for Covariates		Standardized

Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		2
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	3.774
	Percent Incorrect Predictions	20.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.02
Testing	Cross Entropy Error	.205
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted				
		Hidden Layer 1		Output Layer		
Predictor		H(1:1)	H(1:2)	[STR_military =1]	[STR_military =2]	[STR_military =4]
Input Layer	(Bias)	.648	.105			
	[First_D=1]	-.113	.343			
	[First_D=3]	.206	.139			
	[First_D=4]	-.380	.663			
	[Second_D=2]	.818	.294			
	[Second_D=5]	-.623	.471			
	[Second_D=6]	-.588	-.153			
	[Second_D=9]	-.488	.778			
	[Third_D=2]	.960	.239			
	[Third_D=3]	.214	-.635			
	[Third_D=9]	-.595	.439			
	D1	-.206	.505			
	D2	-.386	-.332			
	D3	-.881	.409			
	D4	.845	-.727			
	D5	-1.008	-.003			
	D6	.144	.237			
	D9	.598	-.079			
Hidden Layer 1	(Bias)			.904	.091	-.059

	H(1:1)			-.467	.265	.570
	H(1:2)			.606	-.156	-.750

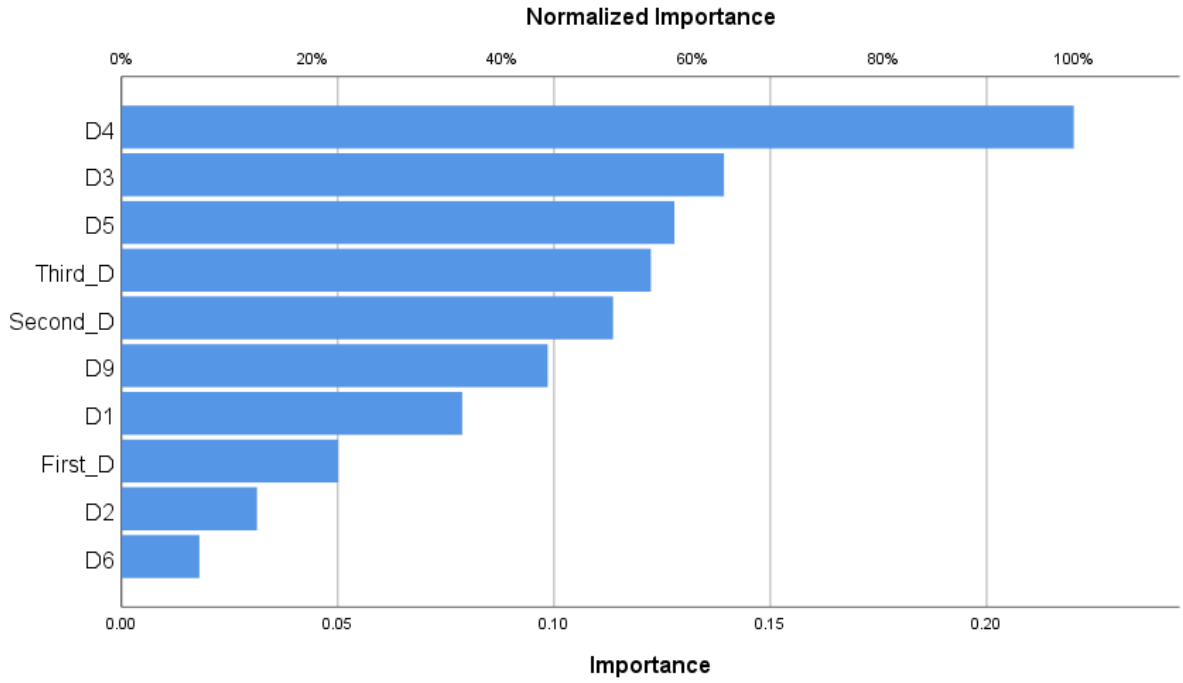
Classification

Sample	Observed	Predicted			
		worst option	mediocre option	best option	Percent Correct
Training	worst option	3	0	0	100.0%
	mediocre option	1	0	0	0.0%
	best option	0	0	1	100.0%
	Overall Percent	80.0%	0.0%	20.0%	80.0%
Testing	worst option	1	0	0	100.0%
	mediocre option	0	0	0	0.0%
	best option	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.050	22.8%
Second discourse in text	.114	51.6%
Third discourse in text	.122	55.6%
CONTACT RESTRICTION	.079	35.8%
SANITATION AND HYGIENE	.031	14.2%
ISOLATION OF INFECTED	.139	63.3%
TOTAL ISOLATION	.220	100.0%
HEALTH CARE	.128	58.1%
VIRUS DISSEMINATION	.018	8.2%
BUREAUCRATIC RESPONSE	.099	44.8%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created	13-DEC-2020 16:09:27
Comments	

Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.47
	Elapsed Time	00:00:00.48

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

Case Processing Summary

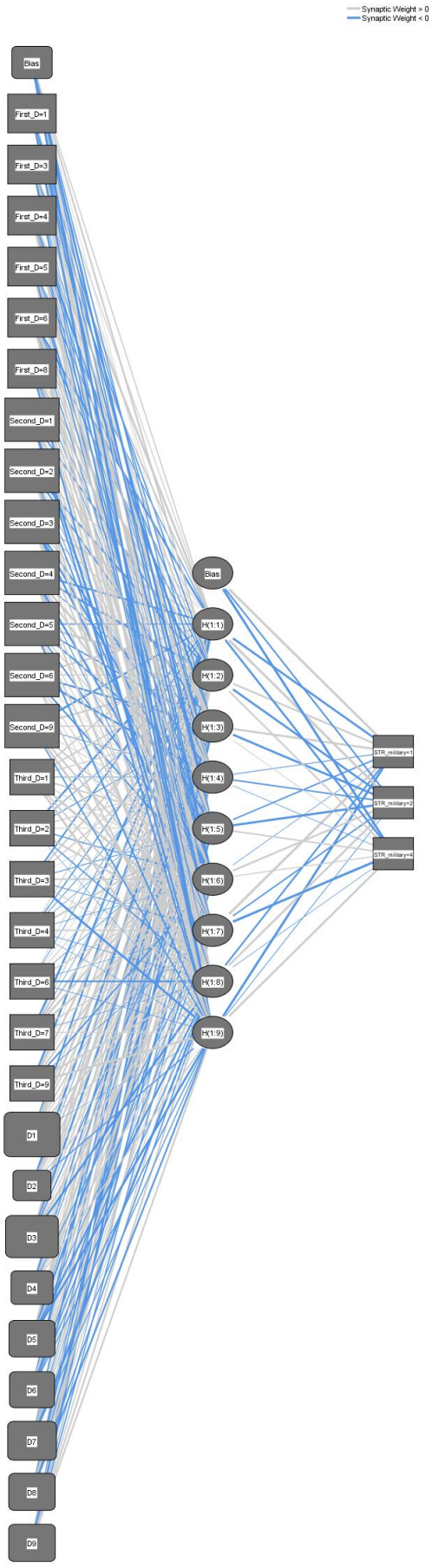
		N	Percent
Sample	Training	11	78.6%
	Testing	3	21.4%
Valid		14	100.0%
Excluded		90	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATIO N
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT

		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		29
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		9
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	1.568
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.03
Testing	Cross Entropy Error	.695
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted											
		Hidden Layer 1									Output Layer		
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	H(1:8)	H(1:9)	[STR_military=1]	[STR_military=2]	[STR_military=4]
Input Layer	(Bias)	.238	.465	.003	-.199	-.718	-.253	.237	.115	-.920			
	[First_D=1]	.140	.075	-.241	-.336	-.327	-.427	.430	.104	-.553			
	[First_D=3]	.789	-.264	.088	.768	.043	-.047	-.030	-.211	-.191			
	[First_D=4]	.376	.343	-.741	-.153	.577	-.228	-.276	.548	.512			
	[First_D=5]	-.161	-.260	.525	.205	.050	-.467	-.258	.089	.278			
	[First_D=6]	-.581	-.249	.527	.324	.445	-.231	.268	.832	.277			
	[First_D=8]	.132	.516	.521	-.119	-.153	.447	.303	.451	-.419			
	[Second_D=1]	.072	-.369	.010	.802	.028	.358	.900	-.844	-.395			
	[Second_D=2]	.195	-.453	-.360	.036	-.023	-.079	-.322	.453	.540			
	[Second_D=3]	.690	.281	.172	-.468	-.596	-.508	.355	.019	.292			
	[Second_D=4]	-.617	-.543	-.160	.866	.510	-.598	-.130	.266	.529			
	[Second_D=5]	-.284	.878	-.307	-.474	.223	-.347	.150	.390	-.379			
	[Second_D=6]	.540	.202	-.518	-.714	.004	-.405	.192	.052	.426			

	[Second_D=9]	-.573	.476	.269	-.087	.086	.371	.503	.886	-.286			
	[Third_D=1]	.331	.350	.204	-.051	.357	.113	.811	.368	.795			
	[Third_D=2]	-.533	-.091	-.169	.184	.069	-.212	.505	-.256	-.004			
	[Third_D=3]	-.380	.397	.283	.008	-.131	.419	-.098	.145	-.715			
	[Third_D=4]	.146	-.261	-.107	-.035	.497	-.042	.275	-.047	-.017			
	[Third_D=6]	.059	-.083	.021	.112	-.065	.234	-.010	-.393	-.058			
	[Third_D=7]	-.605	.216	-.049	.783	.650	.700	.270	-.037	.131			
	[Third_D=9]	-.632	.021	.694	.061	.444	-.391	-.065	.472	.714			
	D1	-.496	.306	1.060	.335	.391	.187	.453	.224	-.002			
	D2	.196	-.767	-.070	.618	.464	.177	.092	.335	-.242			
	D3	.693	.594	-.616	.267	-.274	.126	.872	-.750	.013			
	D4	.013	.285	-.334	-.158	.088	.283	-.200	.295	.304			
	D5	.180	.742	.548	-.136	-.559	.241	-.148	-.522	-.664			
	D6	-.485	-.220	.351	.145	.549	-.338	-.253	-.215	-.211			
	D7	-.350	.209	.032	-.171	.377	.000	.081	-.733	-.191			
	D8	.144	-.188	-.399	.155	-.322	.857	.097	-.264	-.407			
	D9	-.743	1.021	-.650	.002	-.062	-.249	.253	.441	.407			
Hidden Layer 1	(Bias)										1.300	-.376	-1.128
	H(1:1)										-.637	1.720	-.574
	H(1:2)										.488	-.640	.392
	H(1:3)										.566	-.692	.069
	H(1:4)										-.103	-.310	-.046
	H(1:5)										-.295	-.728	.324
	H(1:6)										-.039	.498	.191
	H(1:7)										1.217	-.306	-1.320
	H(1:8)										-.432	.599	-.033
	H(1:9)										-.924	-.084	.679

Classification

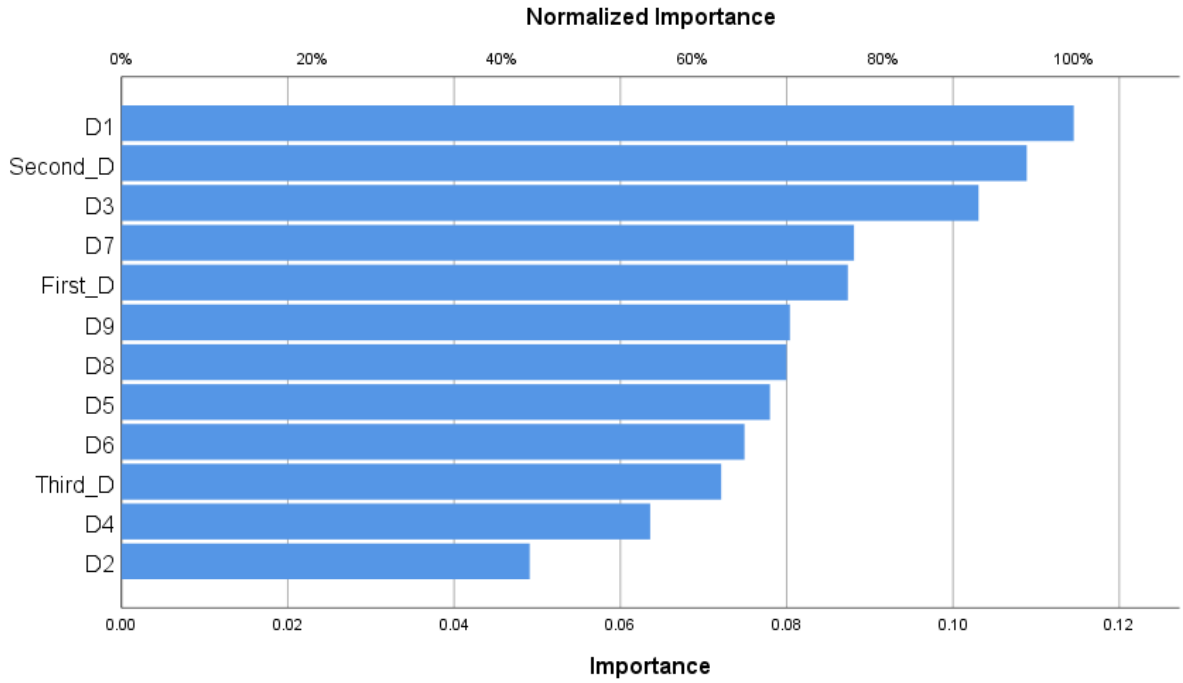
Sample	Observed	Predicted			
		worst option	mediocre option	best option	Percent Correct
Training	worst option	7	0	0	100.0%
	mediocre option	0	3	0	100.0%
	best option	0	0	1	100.0%
	Overall Percent	63.6%	27.3%	9.1%	100.0%
Testing	worst option	2	0	0	100.0%
	mediocre option	0	0	0	0.0%
	best option	0	0	1	100.0%

Overall Percent	66.7%	0.0%	33.3%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.087	76.3%
Second discourse in text	.109	95.1%
Third discourse in text	.072	63.0%
CONTACT RESTRICTION	.115	100.0%
SANITATION AND HYGIENE	.049	42.9%
ISOLATION OF INFECTED	.103	90.0%
TOTAL ISOLATION	.064	55.5%
HEALTH CARE	.078	68.1%
VIRUS DISSEMINATION	.075	65.4%
LIFESTYLE CHANGES	.088	76.9%
RIGHTS AND FREEDOMS INFRINGEMENT	.080	69.8%
BUREAUCRATIC RESPONSE	.080	70.2%



```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:09:34
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZ ED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDC ONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.42
	Elapsed Time	00:00:00.48

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

Case Processing Summary

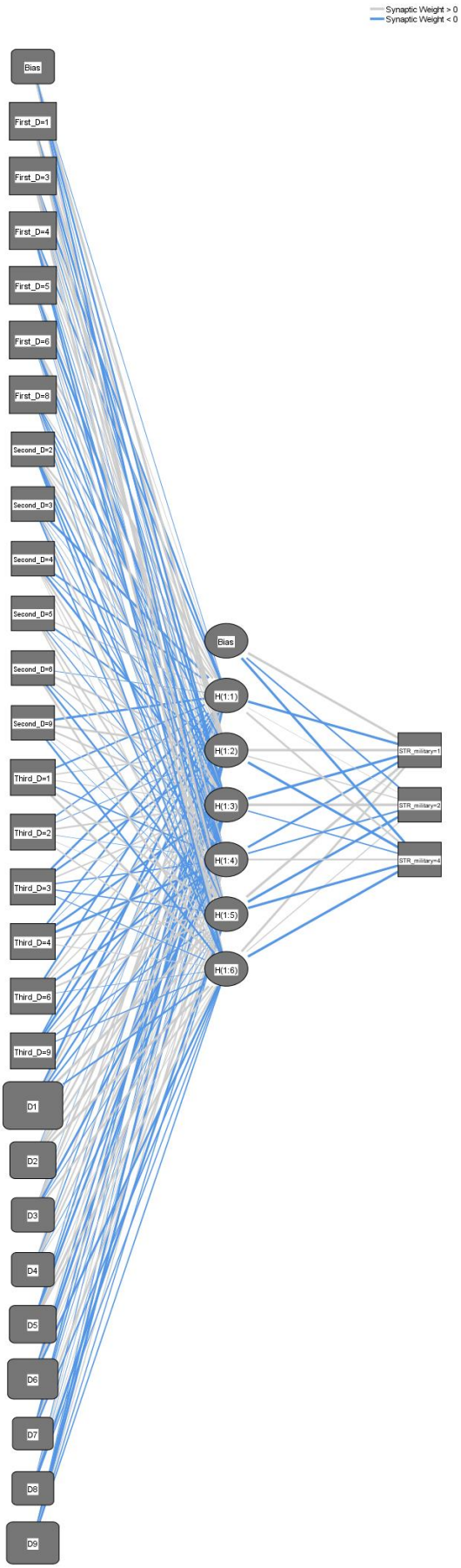
		N	Percent
Sample	Training	11	91.7%
	Testing	1	8.3%
Valid		12	100.0%
Excluded		92	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATIO N
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT

		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		27
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		6
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	.370
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.02
Testing	Cross Entropy Error	.066
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted								
		Hidden Layer 1						Output Layer		
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	[STR_military=1]	[STR_military=2]	[STR_military=4]
Input Layer	(Bias)	-.106	.962	-.472	-.074	-.444	.265			
	[First_D=1]	.081	.848	-.568	-.198	.916	.106			
	[First_D=3]	-.529	.546	-.199	.405	-.060	.753			
	[First_D=4]	-.393	.129	.274	-.123	-.342	-.501			
	[First_D=5]	.054	.225	-.722	-.227	.233	-.085			
	[First_D=6]	.597	.192	-.444	-.334	.112	-.010			
	[First_D=8]	.176	-.283	-.229	-.307	.282	-.172			
	[Second_D=2]	.521	.157	.743	-.342	-.420	-.341			
	[Second_D=3]	-.708	-.020	.162	-.162	.368	-.323			
	[Second_D=4]	-.441	-.182	-.550	.469	.179	.057			
	[Second_D=5]	.244	-.409	-.038	-.220	.441	.269			
	[Second_D=6]	-.105	.527	.243	-.183	-.511	.570			
	[Second_D=9]	-.652	.646	.464	.106	-.038	-.498			

	[Third_D=1]	-.429	.230	.163	-.323	.526	.820			
	[Third_D=2]	-.282	-.117	.397	-.004	.043	.298			
	[Third_D=3]	-.629	-.520	.318	-.244	-.228	-.175			
	[Third_D=4]	-.498	-.052	-.585	-.736	.318	.161			
	[Third_D=6]	-.510	.342	.209	-.558	.436	-.021			
	[Third_D=9]	-.337	-.654	-.356	.207	-.236	-.200			
	D1	-.707	.506	-.469	-.336	.965	-.443			
	D2	-.133	.189	.526	.514	.632	.734			
	D3	-.010	.591	.177	-.584	-.161	.422			
	D4	.293	-.224	.324	.421	-.111	.039			
	D5	-.159	-.362	-.657	.147	.722	.465			
	D6	.130	-.393	-.797	.328	.118	-.586			
	D7	-.362	-.285	-.128	.001	.563	-.337			
	D8	-.160	.141	-.030	.099	-.715	-.210			
	D9	-.153	-.661	-.963	.193	-.215	-.243			
Hidden Layer	(Bias)							.830	-.369	-.903
1	H(1:1)							-.889	.014	.532
	H(1:2)							1.188	.219	-2.289
	H(1:3)							-1.485	1.417	-.244
	H(1:4)							-.693	-.366	.408
	H(1:5)							1.797	-1.046	-.853
	H(1:6)							.703	.188	-1.350

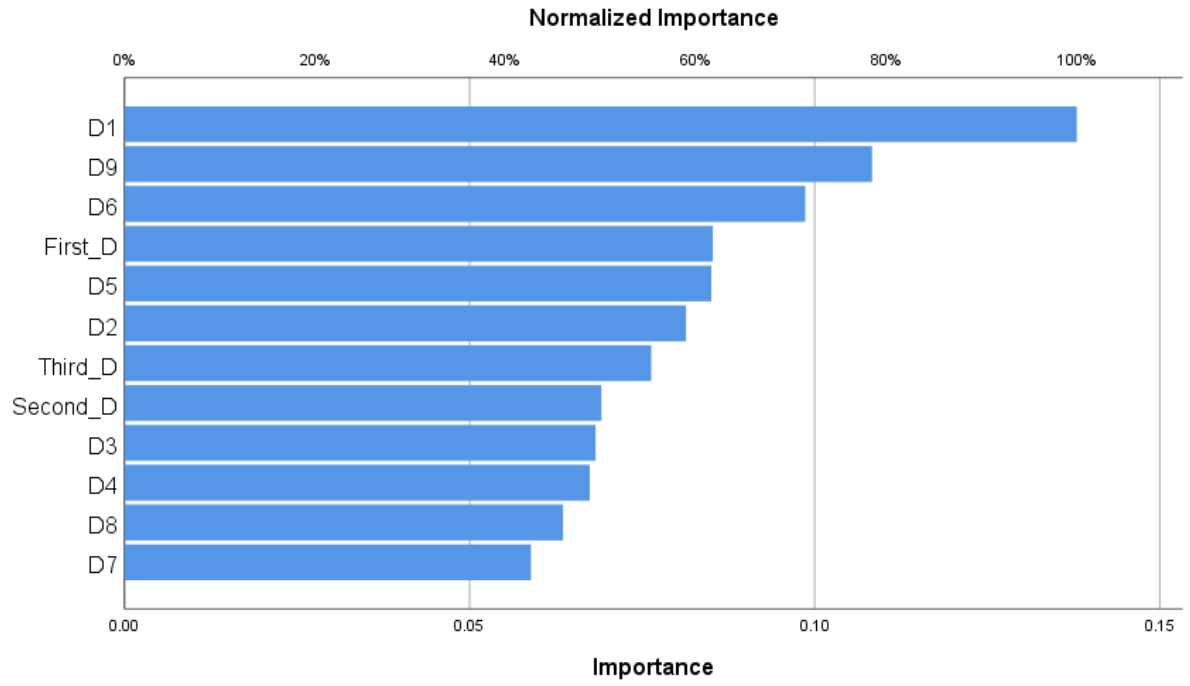
Classification

		Predicted			
Sample	Observed	worst option	mediocre option	best option	Percent Correct
Training	worst option	7	0	0	100.0%
	mediocre option	0	3	0	100.0%
	best option	0	0	1	100.0%
	Overall Percent	63.6%	27.3%	9.1%	100.0%
Testing	worst option	0	0	0	0.0%
	mediocre option	0	0	0	0.0%
	best option	0	0	1	100.0%
	Overall Percent	0.0%	0.0%	100.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.085	61.8%
Second discourse in text	.069	50.1%
Third discourse in text	.076	55.3%
CONTACT RESTRICTION	.138	100.0%
SANITATION AND HYGIENE	.081	59.0%
ISOLATION OF INFECTED	.068	49.5%
TOTAL ISOLATION	.067	48.9%
HEALTH CARE	.085	61.6%
VIRUS DISSEMINATION	.099	71.5%
LIFESTYLE CHANGES	.059	42.7%
RIGHTS AND FREEDOMS INFRINGEMENT	.064	46.1%
BUREAUCRATIC RESPONSE	.108	78.5%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
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    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .


*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:11:26
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.

Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling	not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.41
	Elapsed Time	00:00:00.53

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

The following independent variables are constant in the training sample and are excluded from the analysis: D7.

Case Processing Summary

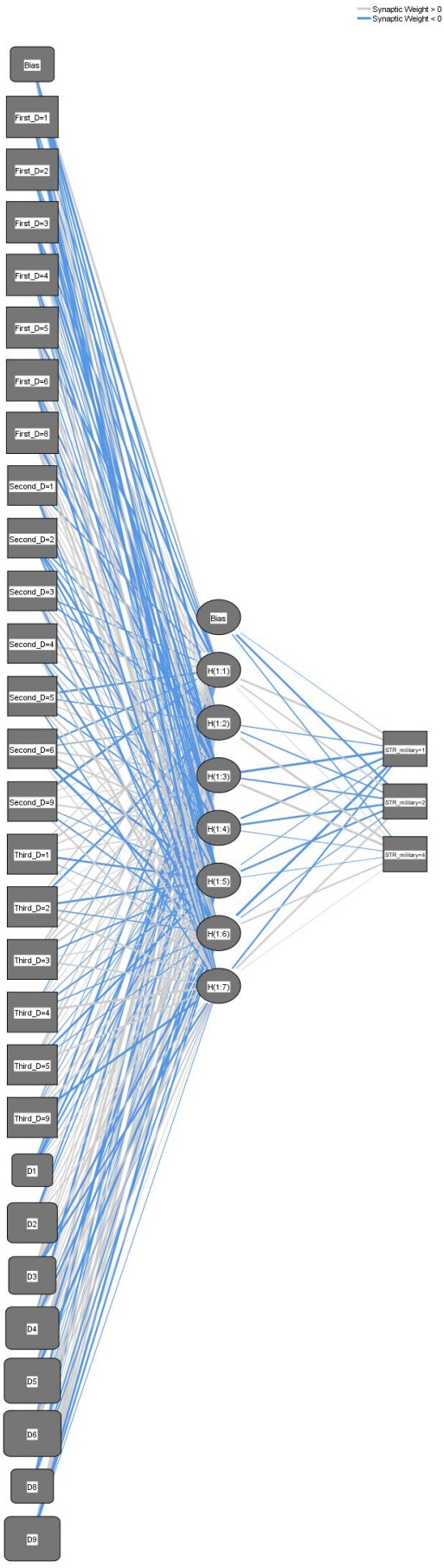
		N	Percent
Sample	Training	10	76.9%
	Testing	3	23.1%
Valid		13	100.0%
Excluded		91	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATION
		7	RIGHTS AND FREEDOMS INFRINGEMENT

		8	BUREAUCRATIC RESPONSE
	Number of Units[a]		28
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		7
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	7.340
	Percent Incorrect Predictions	40.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.02
Testing	Cross Entropy Error	1.535
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted									
		Hidden Layer 1							Output Layer		
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	[STR_military =1]	[STR_military =2]	[STR_military =4]
Input Layer	(Bias)	.612	-.761	-.485	-.187	-.516	-.040	.215			
	[First_D=1]	-.276	.005	-.429	.684	-.311	-.697	-.991			
	[First_D=2]	-.335	.310	-.197	-.470	-1.165	.012	-.021			
	[First_D=3]	-.443	.392	-.775	-.518	-.139	-.062	.133			
	[First_D=4]	.042	.084	-.251	-.900	-.172	.453	-.284			
	[First_D=5]	-.657	.133	.422	.003	-.207	-.051	.652			
	[First_D=6]	.127	.118	-.478	.398	-.390	.226	-.627			
	[First_D=8]	.519	.757	-.852	.069	.368	.795	.337			
	[Second_D=1]	-.405	.075	.149	.124	.681	-.281	-.323			
	[Second_D=2]	.655	-.348	-.173	-.707	-.445	-.073	-.312			
	[Second_D=3]	-.306	-.342	.293	.606	.184	-.491	.515			
	[Second_D=4]	.460	.388	.100	-.401	.240	-.568	.569			
	[Second_D=5]	-.556	-.276	.197	-.324	.416	.279	-.355			
	[Second_D=6]	-.442	-.150	.465	.435	-.781	-.976	.156			
	[Second_D=9]	-.807	.132	.080	.374	-.152	-.325	.437			
	[Third_D=1]	.175	.525	.313	.177	-.538	-.069	.088			
	[Third_D=2]	.344	-.539	.000	.080	-.527	-.212	.516			
	[Third_D=3]	.464	.421	.342	.584	-.373	.177	.432			
	[Third_D=4]	-.150	.227	.073	-.095	-.393	-.199	.718			

	[Third_D=5]	.245	.487	.051	-.112	-.609	-.170	.440			
	[Third_D=9]	-.074	.414	-.115	.185	.322	.581	-.716			
	D1	-.621	.312	-.527	-.425	-.120	.194	.025			
	D2	.086	-.388	-.238	.138	.180	.091	.294			
	D3	.111	.293	.239	.026	.631	-.615	-.514			
	D4	-.968	.305	.081	.195	-.191	-.489	.626			
	D5	.814	.297	-.699	.525	.169	-1.121	-.040			
	D6	-.598	.128	-.038	-.139	.948	.898	.379			
	D8	-.353	-.251	-.015	.067	-.355	-.311	.045			
	D9	.059	.540	.715	.711	-.795	-.467	-.085			
Hidden Layer 1	(Bias)								-.031	-.532	-.207
	H(1:1)								.584	.384	.066
	H(1:2)								-.182	-.301	.847
	H(1:3)								-.739	-.350	.774
	H(1:4)								-.519	-.517	-.078
	H(1:5)								-.122	-.494	-.062
	H(1:6)								-.791	-.132	.380
	H(1:7)								-.416	.488	.016

Classification

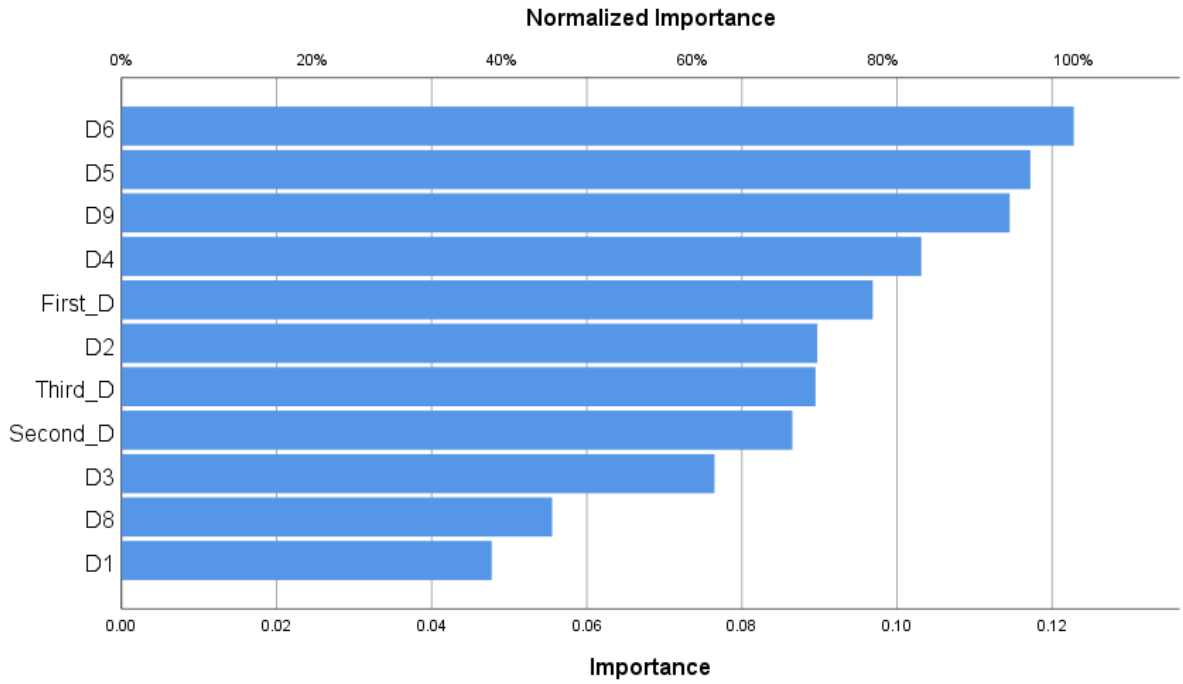
Sample	Observed	Predicted			
		worst option	mediocre option	best option	Percent Correct
Training	worst option	3	1	1	60.0%
	mediocre option	2	1	0	33.3%
	best option	0	0	2	100.0%
	Overall Percent	50.0%	20.0%	30.0%	60.0%
Testing	worst option	2	0	0	100.0%
	mediocre option	0	1	0	100.0%
	best option	0	0	0	0.0%
	Overall Percent	66.7%	33.3%	0.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.097	78.9%
Second discourse in text	.087	70.5%
Third discourse in text	.090	72.9%

CONTACT RESTRICTION	.048	38.9%
SANITATION AND HYGIENE	.090	73.1%
ISOLATION OF INFECTED	.076	62.3%
TOTAL ISOLATION	.103	84.0%
HEALTH CARE	.117	95.4%
VIRUS DISSEMINATION	.123	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.056	45.2%
BUREAUCRATIC RESPONSE	.115	93.3%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:11:38
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZ ED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDC ONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.48
	Elapsed Time	00:00:00.52

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

Case Processing Summary

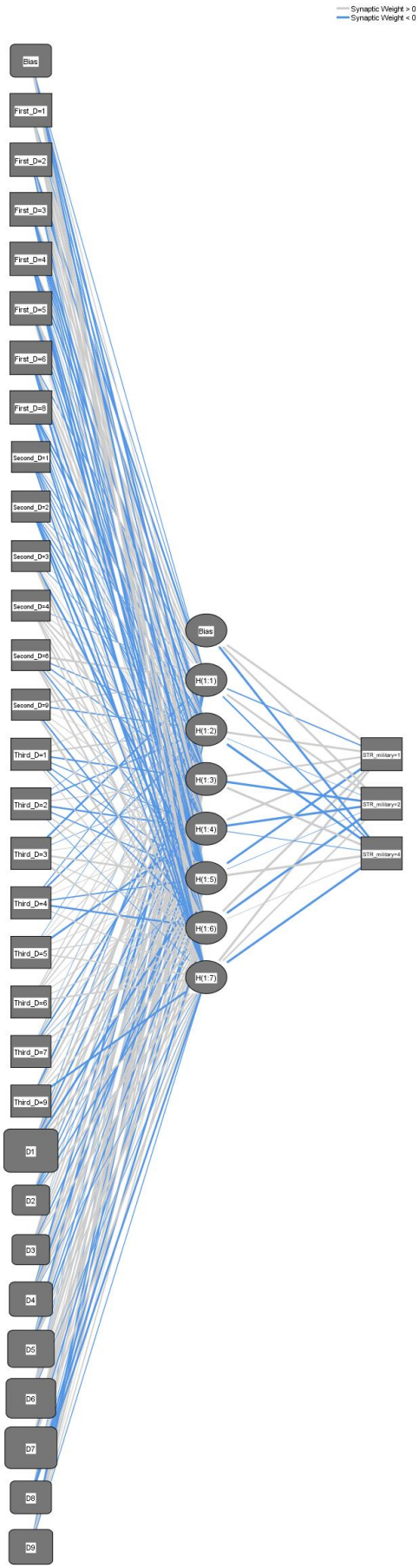
		N	Percent
Sample	Training	13	92.9%
	Testing	1	7.1%
Valid		14	100.0%
Excluded		90	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATIO N
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT

		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		30
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		7
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	.887
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.01
Testing	Cross Entropy Error	.011
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted									
		Hidden Layer 1							Output Layer		
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	[STR_military =1]	[STR_military =2]	[STR_military =4]
Input Layer	(Bias)	-.137	.150	-.545	-.189	-.476	.482	.777			
	[First_D=1]	-.128	-.169	.450	.504	.068	.717	.122			
	[First_D=2]	-.498	-.625	.176	.435	.279	-.082	-.247			
	[First_D=3]	.365	.223	-.514	-.416	-.354	-.216	-.072			
	[First_D=4]	.384	-.406	-.151	.146	-.337	-.494	-.650			
	[First_D=5]	.449	.439	-.169	-.198	-.446	.213	.001			
	[First_D=6]	-.204	.099	.486	.586	-.489	.051	-.613			
	[First_D=8]	.077	-.426	-.336	-.015	-.145	-.193	-.442			
	[Second_D=1]	.126	-.197	-.148	-.151	-.284	.214	-.345			
	[Second_D=2]	-.073	.314	-.189	-.394	-.129	-.748	-.309			
	[Second_D=3]	.026	-.105	.016	.106	-.602	.634	.280			
	[Second_D=4]	-.076	.140	.439	.357	.094	.354	.310			
	[Second_D=6]	.649	-.206	-.254	.312	-.292	.475	.458			
	[Second_D=9]	.353	-.278	.024	.129	.182	-.383	.692			
	[Third_D=1]	.140	.402	-.377	-.171	-.192	-.266	.165			
	[Third_D=2]	-.043	-.313	.168	-.399	-.245	.242	-.072			
	[Third_D=3]	-.480	.384	-.042	.070	.466	.181	.503			
	[Third_D=4]	-.161	-.387	.155	.060	-.270	-.463	.261			
	[Third_D=5]	-.044	.070	.137	-.544	.073	.167	.238			

	[Third_D=6]	.179	.301	.273	.069	.128	.136	.404			
	[Third_D=7]	-.014	.472	-.356	.268	-.064	.316	.084			
	[Third_D=9]	.091	-.454	.553	.125	.181	.274	-.628			
	D1	-.113	.774	-.433	.734	-.716	.910	.426			
	D2	.269	.238	-.171	-.209	-.128	-.298	.468			
	D3	.252	-.011	.394	.341	-.281	.305	.339			
	D4	-.450	.292	.630	-.467	.827	.423	-.102			
	D5	-.583	.712	.226	-.218	-.325	.451	.298			
	D6	-.087	-.017	.778	.585	.005	.807	-.094			
	D7	.050	.394	.687	.925	-.314	.164	.559			
	D8	-.113	.466	.074	-.074	-.461	-.604	-.516			
	D9	-.539	-.320	.352	.634	.034	.223	-.149			
Hidden Layer 1	(Bias)								.723	.767	-.894
	H(1:1)								-.254	.606	-.320
	H(1:2)								.694	-.030	-1.239
	H(1:3)								.484	-.832	1.159
	H(1:4)								.738	-1.178	-.108
	H(1:5)								-.786	-.017	1.013
	H(1:6)								1.336	-1.225	.084
	H(1:7)								.845	.366	-.819

Classification

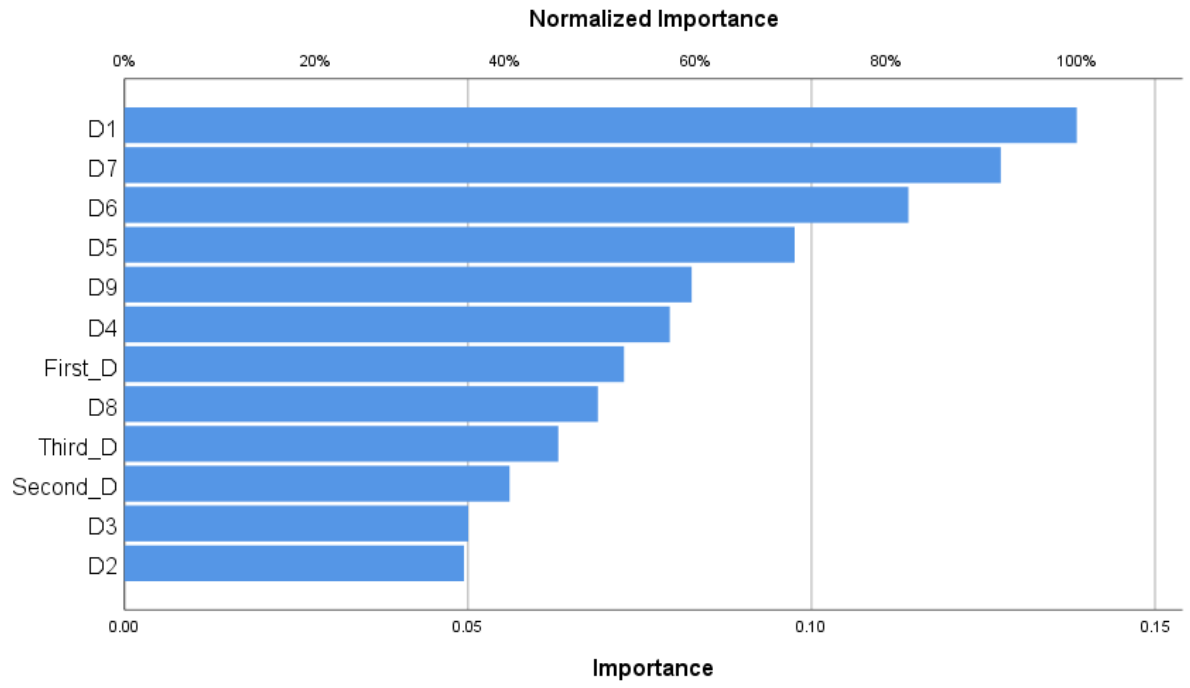
Sample	Observed	Predicted			Percent Correct
		worst option	mediocre option	best option	
Training	worst option	7	0	0	100.0%
	mediocre option	0	4	0	100.0%
	best option	0	0	2	100.0%
	Overall Percent	53.8%	30.8%	15.4%	100.0%
Testing	worst option	1	0	0	100.0%
	mediocre option	0	0	0	0.0%
	best option	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.073	52.5%

Second discourse in text	.056	40.4%
Third discourse in text	.063	45.6%
CONTACT RESTRICTION	.139	100.0%
SANITATION AND HYGIENE	.049	35.6%
ISOLATION OF INFECTED	.050	36.1%
TOTAL ISOLATION	.079	57.3%
HEALTH CARE	.098	70.4%
VIRUS DISSEMINATION	.114	82.3%
LIFESTYLE CHANGES	.128	92.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.069	49.7%
BUREAUCRATIC RESPONSE	.083	59.6%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
```

```
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:11:45
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZ ED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDC ONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.45
	Elapsed Time	00:00:00.46

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

Case Processing Summary

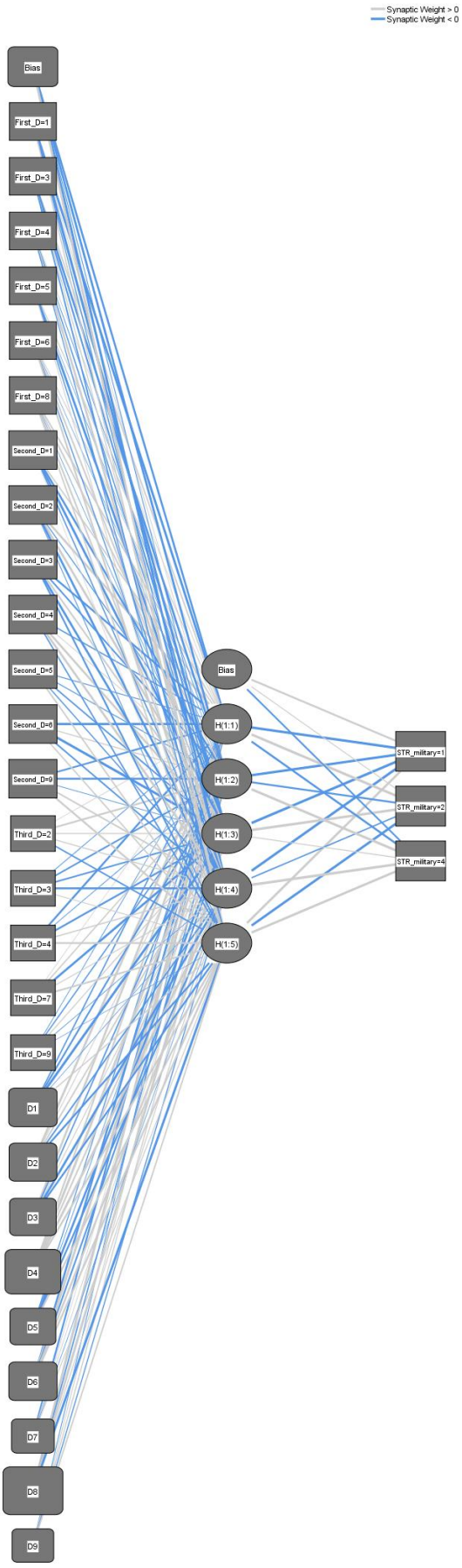
		N	Percent
Sample	Training	10	90.9%
	Testing	1	9.1%
Valid		11	100.0%
Excluded		93	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATIO N
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT

		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		27
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		5
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	.042
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.00
Testing	Cross Entropy Error	.003
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted							
		Hidden Layer 1					Output Layer		
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	[STR_military=1]	[STR_military=2]	[STR_military=4]
Input Layer	(Bias)	-.468	-.582	-.114	-.723	.676			
	[First_D=1]	-.668	.055	-.962	-.172	.214			
	[First_D=3]	.259	-.532	-.349	.155	-.285			
	[First_D=4]	.039	-.094	-.222	.522	-.170			
	[First_D=5]	.152	-.026	-.607	-.215	.104			
	[First_D=6]	.092	-.026	.318	-.205	.380			
	[First_D=8]	.292	.317	-.041	.340	.283			
	[Second_D=1]	.249	-.459	-.628	-.232	.009			
	[Second_D=2]	.542	-.180	.576	-.565	-.119			
	[Second_D=3]	-.440	-.331	.334	-.593	-.363			
	[Second_D=4]	-.248	.076	.530	.557	-.282			
	[Second_D=5]	-.135	-.132	-.302	-.210	.307			
	[Second_D=6]	-.747	.206	-.929	-.317	.268			

	[Second_D=9]	-.372	-.433	-.088	.326	.436			
	[Third_D=2]	.044	.397	.199	.181	-.309			
	[Third_D=3]	-.104	-.328	-.318	-.508	.124			
	[Third_D=4]	-.455	-.100	-.392	.232	.403			
	[Third_D=7]	.032	.251	-.602	.145	.357			
	[Third_D=9]	-.070	-.220	.170	-.066	.000			
	D1	-.255	-.350	-.824	-.044	.206			
	D2	.643	.103	.285	-.312	-.427			
	D3	.521	-.262	.124	-.612	-.409			
	D4	.349	.903	.332	.878	.421			
	D5	-.171	-.047	-.516	-.373	.387			
	D6	-.499	.695	-.349	.423	.412			
	D7	-.399	.015	.047	-.044	.129			
	D8	.882	-.256	.775	.131	-.720			
	D9	-.114	.112	.179	-.182	.284			
Hidden Layer 1	(Bias)						.449	.141	-.361
	H(1:1)						-1.216	1.922	-.509
	H(1:2)						-.957	-.401	1.367
	H(1:3)						-1.734	1.557	.161
	H(1:4)						-1.386	-.269	1.797
	H(1:5)						.758	-.918	.881

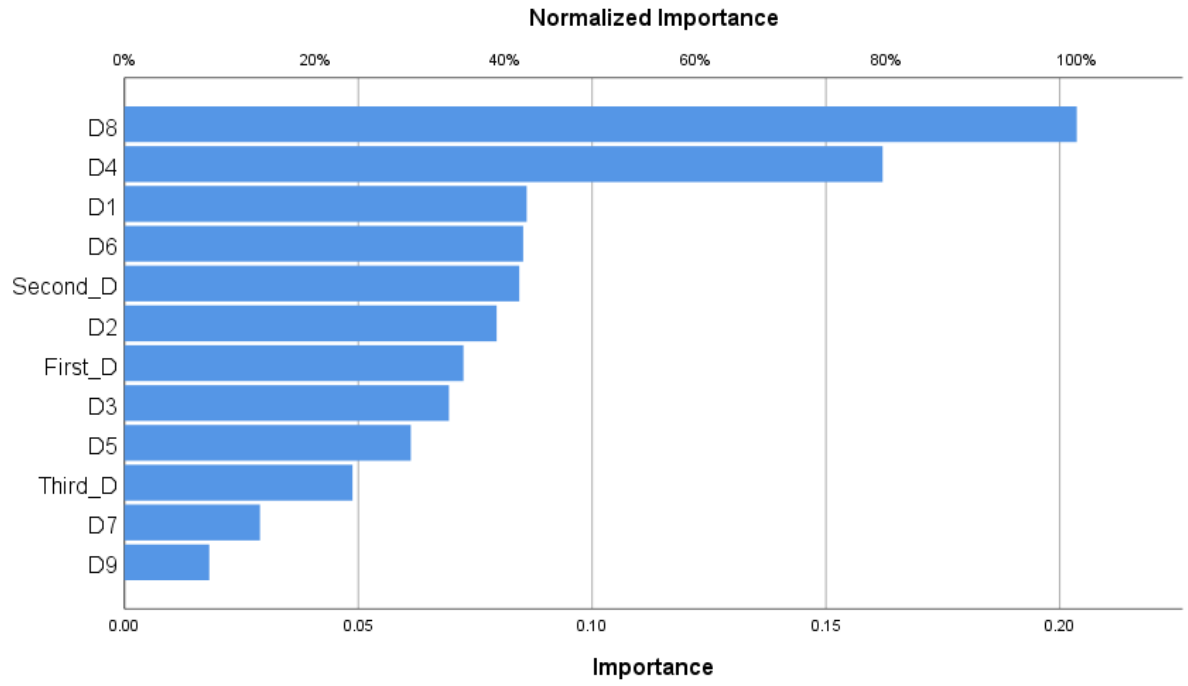
Classification

		Predicted			
Sample	Observed	worst option	mediocre option	best option	Percent Correct
Training	worst option	6	0	0	100.0%
	mediocre option	0	2	0	100.0%
	best option	0	0	2	100.0%
	Overall Percent	60.0%	20.0%	20.0%	100.0%
Testing	worst option	1	0	0	100.0%
	mediocre option	0	0	0	0.0%
	best option	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.072	35.6%
Second discourse in text	.084	41.5%
Third discourse in text	.049	24.0%
CONTACT RESTRICTION	.086	42.2%
SANITATION AND HYGIENE	.080	39.1%
ISOLATION OF INFECTED	.069	34.1%
TOTAL ISOLATION	.162	79.6%
HEALTH CARE	.061	30.1%
VIRUS DISSEMINATION	.085	41.9%
LIFESTYLE CHANGES	.029	14.2%
RIGHTS AND FREEDOMS INFRINGEMENT	.204	100.0%
BUREAUCRATIC RESPONSE	.018	8.9%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
```

```
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
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Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:12:03
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.41
	Elapsed Time	00:00:00.53

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

Case Processing Summary

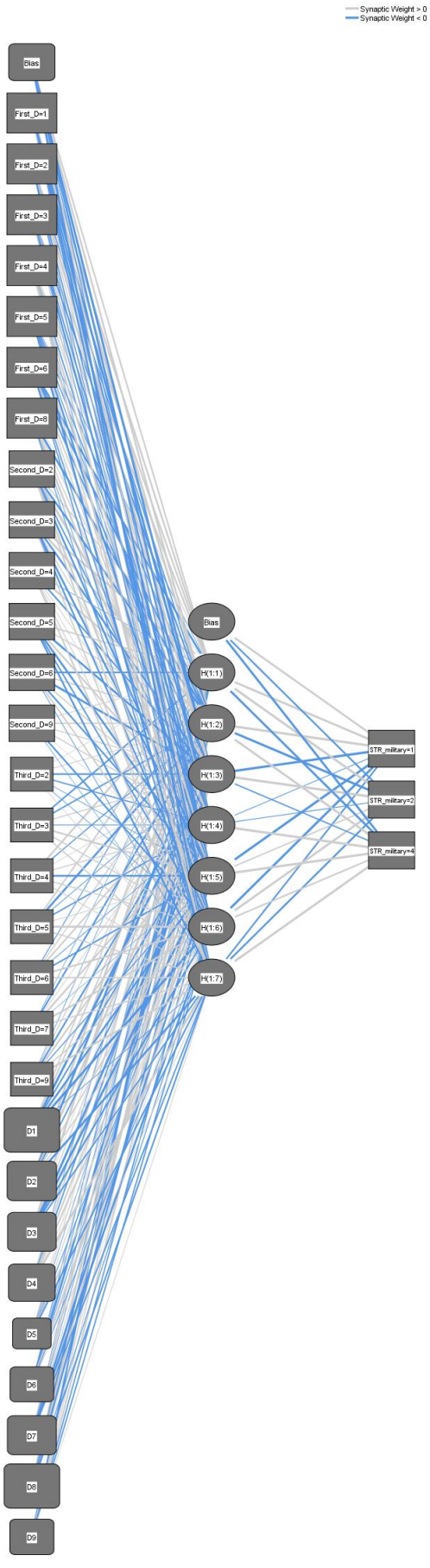
		N	Percent
Sample	Training	11	91.7%
	Testing	1	8.3%
Valid		12	100.0%
Excluded		92	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATIO N
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT

		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		29
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		7
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	.052
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.00
Testing	Cross Entropy Error	.002
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted									
		Hidden Layer 1							Output Layer		
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	[STR_military =1]	[STR_military =2]	[STR_military =4]
Input Layer	(Bias)	.348	.420	-.733	-.532	-.178	.242	-.647			
	[First_D=1]	.422	.717	-.860	-.391	-.747	-.430	.063			
	[First_D=2]	.389	-.234	.638	.172	-.271	-.120	-.159			
	[First_D=3]	.420	-.346	.331	-.285	-.471	-.078	.175			
	[First_D=4]	.089	.261	.164	-.277	.419	-.075	.493			
	[First_D=5]	-.068	-.217	-.193	-.146	-.464	.204	-.526			
	[First_D=6]	-.529	-.401	-.319	.279	.181	-.219	-.235			
	[First_D=8]	.005	-.615	.160	.190	.476	-.057	-.152			
	[Second_D=2]	.217	-.526	.884	-.298	-.425	.485	.335			
	[Second_D=3]	.466	.546	-.465	.164	-.479	-.389	.276			
	[Second_D=4]	-.034	.455	-.359	.077	.048	.163	.352			
	[Second_D=5]	.292	.207	-.573	.384	-.537	-.309	-.412			
	[Second_D=6]	-.376	.224	-.588	.209	-.374	.317	-.087			
	[Second_D=9]	.082	.269	.178	.213	.017	-.384	-.016			
	[Third_D=2]	.019	.111	-.371	-.247	-.057	-.055	.036			
	[Third_D=3]	-.346	-.298	.182	-.113	.390	.215	.243			
	[Third_D=4]	.415	-.213	.030	.179	-.455	.208	.132			
	[Third_D=5]	.318	-.556	-.091	-.281	.083	.546	.242			
	[Third_D=6]	-.156	.191	.322	-.085	-.321	.395	.264			

	[Third_D=7]	-.022	-.387	.082	.412	-.008	.408	.226			
	[Third_D=9]	-.050	.170	-.379	.389	-.181	.225	.434			
	D1	.242	.298	-.888	-.316	-.499	-.938	-.088			
	D2	.595	-.770	.606	-.308	.257	.203	-.564			
	D3	.656	.027	.171	-.860	-.730	-.391	-.313			
	D4	-.083	.314	-.298	.349	.380	.025	.801			
	D5	.019	.100	-.049	.094	-.161	.320	-.353			
	D6	-.123	-.101	-.647	-.100	.563	-.132	.085			
	D7	-.025	.464	-.080	.129	-.501	-.565	-.296			
	D8	.449	-.398	1.109	-.449	.009	-.151	-.322			
	D9	-.620	.169	.166	.377	-.245	-.258	.064			
Hidden Layer 1	(Bias)								.530	-.393	-.732
	H(1:1)								.660	1.116	-.685
	H(1:2)								1.122	-.942	.724
	H(1:3)								-1.578	2.099	-.255
	H(1:4)								-.110	-.117	1.556
	H(1:5)								-2.010	.272	1.213
	H(1:6)								-1.087	.720	.358
	H(1:7)								-.375	-.446	.905

Classification

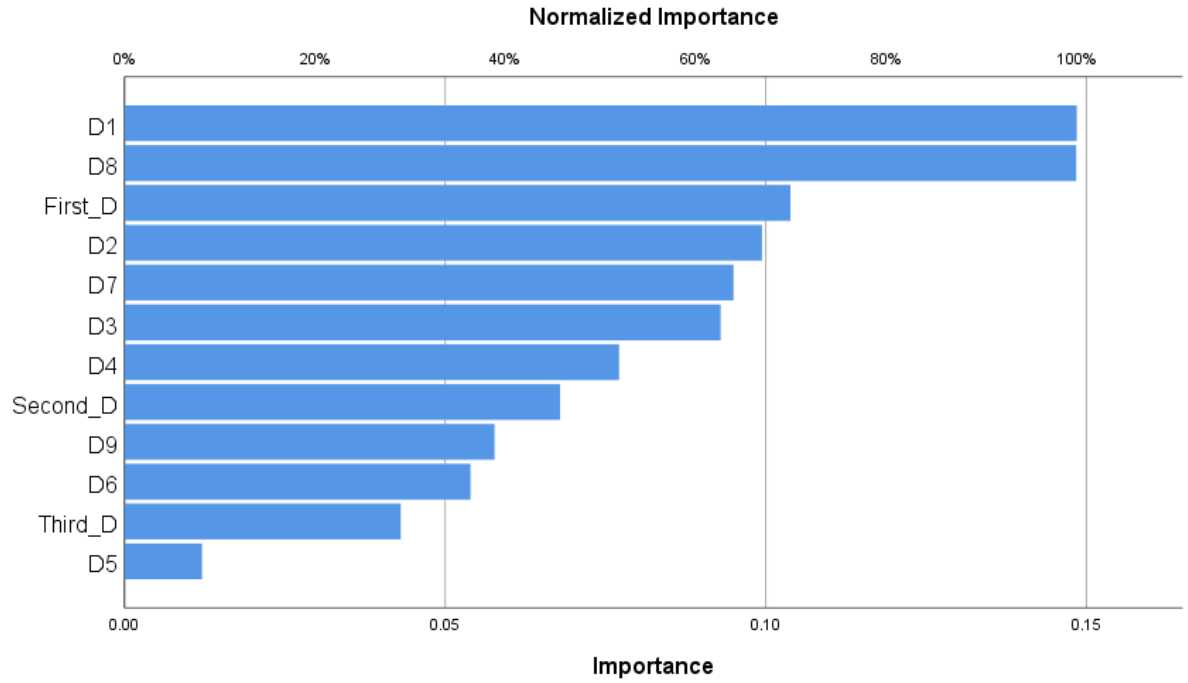
		Predicted			
Sample	Observed	worst option	mediocre option	best option	Percent Correct
Training	worst option	6	0	0	100.0%
	mediocre option	0	3	0	100.0%
	best option	0	0	2	100.0%
	Overall Percent	54.5%	27.3%	18.2%	100.0%
Testing	worst option	1	0	0	100.0%
	mediocre option	0	0	0	0.0%
	best option	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.104	69.9%
Second discourse in text	.068	45.7%

Third discourse in text	.043	29.0%
CONTACT RESTRICTION	.148	100.0%
SANITATION AND HYGIENE	.099	66.9%
ISOLATION OF INFECTED	.093	62.6%
TOTAL ISOLATION	.077	51.9%
HEALTH CARE	.012	8.1%
VIRUS DISSEMINATION	.054	36.3%
LIFESTYLE CHANGES	.095	64.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.148	99.9%
BUREAUCRATIC RESPONSE	.058	38.9%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
```

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/MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:12:09
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.44
	Elapsed Time	00:00:00.46

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

Case Processing Summary

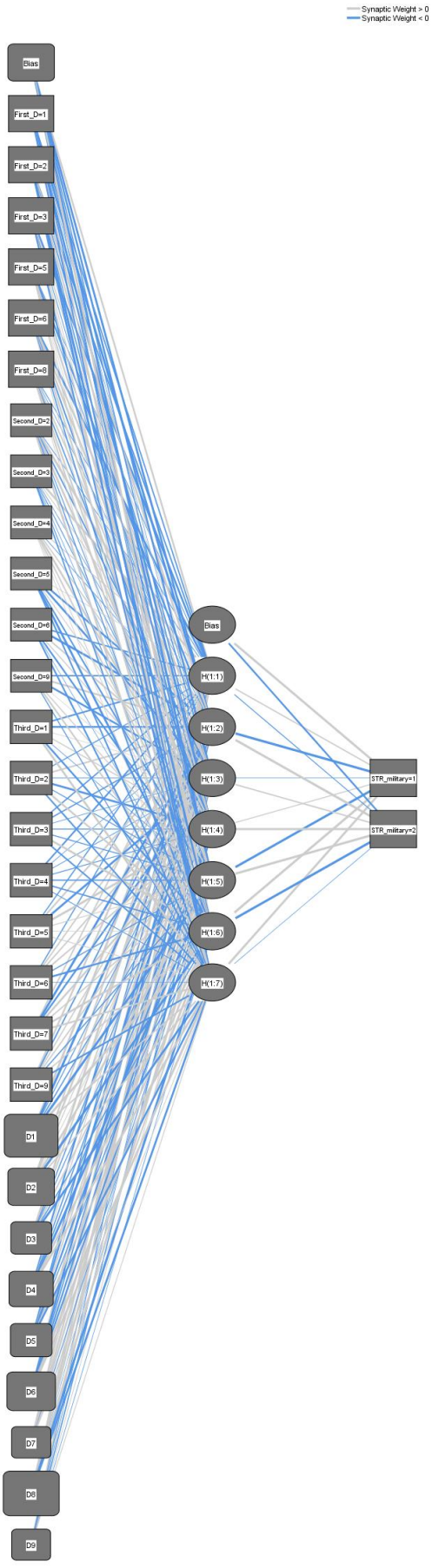
		N	Percent
Sample	Training	10	90.9%
	Testing	1	9.1%
Valid		11	100.0%
Excluded		93	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATIO N
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT

		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		29
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		7
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		2
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit



Hidden layer activation function: Hyperbolic tangent

Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	.007
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.00
Testing	Cross Entropy Error	.001
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted								
		Hidden Layer 1							Output Layer	
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	[STR_military =1]	[STR_military =2]
Input Layer	(Bias)	.359	-.449	-.376	-.157	-.573	.694	-.026		
	[First_D=1]	-.225	-.718	-.010	-.494	-.282	.181	-.300		
	[First_D=2]	-.245	.489	-.182	.347	-.138	-.594	-.482		
	[First_D=3]	-.408	.046	.145	-.069	.073	.180	-.317		
	[First_D=5]	-.067	-.357	-.069	.379	.021	.063	.197		
	[First_D=6]	-.481	.372	.413	-.251	.344	-.196	.072		
	[First_D=8]	-.069	-.037	.238	-.206	.333	.306	.043		
	[Second_D=2]	-.058	.652	-.239	.415	-.084	-.155	.393		
	[Second_D=3]	.452	.072	-.038	-.091	-.021	-.100	-.241		
	[Second_D=4]	.125	-.050	.195	.417	.277	.069	.024		
	[Second_D=5]	.021	-.386	-.420	.082	-.280	-.483	-.281		
	[Second_D=6]	-.263	-.500	.316	.139	-.337	-.015	-.321		
	[Second_D=9]	-.234	.374	-.375	.008	.137	.336	-.131		
	[Third_D=1]	-.318	-.364	.014	.163	-.033	-.364	.474		
	[Third_D=2]	-.128	.312	-.058	-.439	-.125	.373	-.308		
	[Third_D=3]	-.229	-.219	-.041	-.116	-.130	.499	-.280		
	[Third_D=4]	-.319	-.038	-.065	-.102	-.222	-.224	-.073		
	[Third_D=5]	-.174	.344	-.459	.533	.094	.003	.064		
	[Third_D=6]	-.177	.248	.274	.280	-.150	-.385	-.019		

	[Third_D=7]	.262	-.558	-.355	.399	.236	.451	.345		
	[Third_D=9]	.375	-.237	.188	.230	-.181	.225	-.342		
	D1	.526	-.815	-.115	-.178	-.854	1.039	.279		
	D2	.320	.440	.116	.053	.499	-.910	.278		
	D3	.500	.256	-.154	-.125	.262	-.163	-.524		
	D4	-.349	.101	-.172	-.222	-.563	.499	.547		
	D5	-.224	-.415	.237	-.352	-.131	.350	-.389		
	D6	.309	-.507	-.183	-.323	-.334	.675	.515		
	D7	.431	.109	.401	.391	-.101	.302	.054		
	D8	.130	.722	.442	-.002	.637	-.748	-.437		
	D9	.352	-.116	-.035	-.191	.050	-.022	.089		
Hidden Layer 1	(Bias)								.727	-.370
	H(1:1)								.227	-.112
	H(1:2)								-1.725	1.245
	H(1:3)								-.010	.239
	H(1:4)								.136	.770
	H(1:5)								-.954	1.202
	H(1:6)								1.380	-1.629
	H(1:7)								.612	-.022

Classification

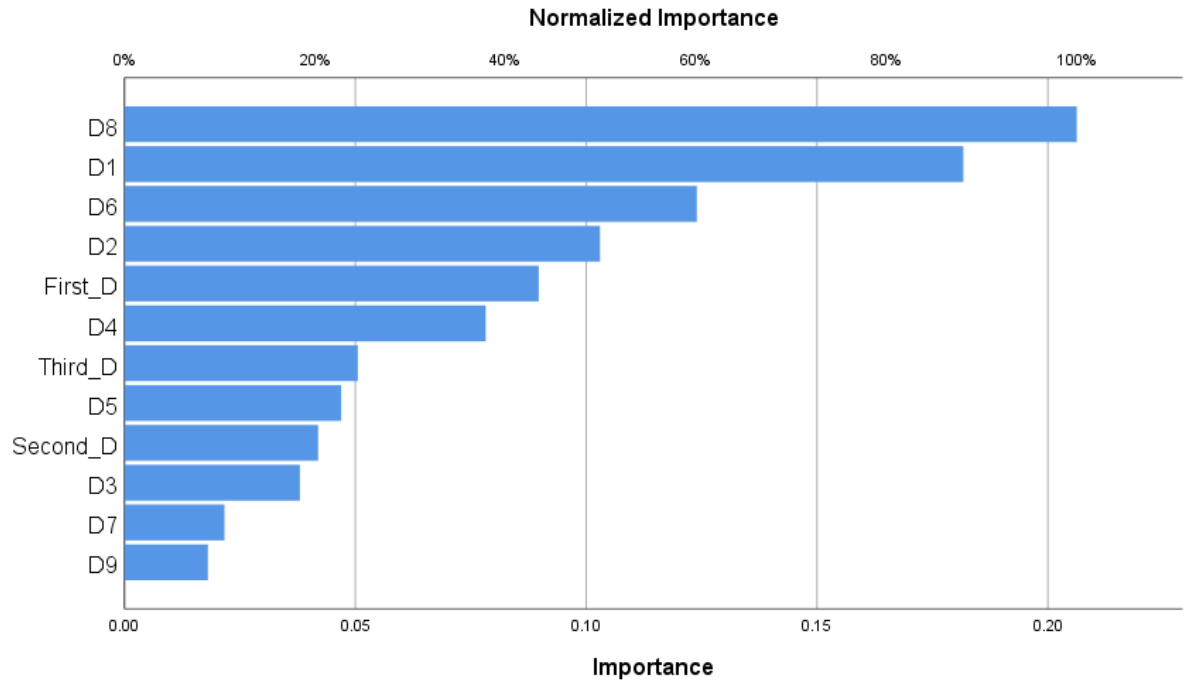
		Predicted		
Sample	Observed	worst option	mediocre option	Percent Correct
Training	worst option	7	0	100.0%
	mediocre option	0	3	100.0%
	Overall Percent	70.0%	30.0%	100.0%
Testing	worst option	1	0	100.0%
	mediocre option	0	0	0.0%
	Overall Percent	100.0%	0.0%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.090	43.5%
Second discourse in text	.042	20.3%
Third discourse in text	.051	24.5%
CONTACT RESTRICTION	.182	88.1%

SANITATION AND HYGIENE	.103	49.9%
ISOLATION OF INFECTED	.038	18.4%
TOTAL ISOLATION	.078	37.9%
HEALTH CARE	.047	22.8%
VIRUS DISSEMINATION	.124	60.1%
LIFESTYLE CHANGES	.022	10.5%
RIGHTS AND FREEDOMS INFRINGEMENT	.206	100.0%
BUREAUCRATIC RESPONSE	.018	8.8%




```
*Multilayer Perceptron Network.
MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6
D7 D8 D9
 /RESCALE COVARIATE=STANDARDIZED
  /PARTITION  TRAINING=7  TESTING=3  HOLDOUT=0
  /ARCHITECTURE   AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50)
  /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDCONJUGATE
LAMBDAINITIAL=0.0000005
    SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000
  /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE
  /PLOT NETWORK
  /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15)
MAXEPOCHS=AUTO
    ERRORCHANGE=1.0E-4 ERRORRATIO=0.001
 /MISSING USERMISSING=EXCLUDE .
```

Multilayer Perceptron

Notes

Output Created		13-DEC-2020 16:12:23
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_ordinal_9D.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	104
Missing Value Handling	Definition of Missing	User- and system-missing values are treated as missing.
	Cases Used	Statistics are based on cases with valid data for all variables used by the procedure.
Weight Handling		not applicable

Syntax		MLP STR_military (MLEVEL=O) BY First_D Second_D Third_D WITH D1 D2 D3 D4 D5 D6 D7 D8 D9 /RESCALE COVARIATE=STANDARDIZ ED /PARTITION TRAINING=7 TESTING=3 HOLDOUT=0 /ARCHITECTURE AUTOMATIC=YES (MINUNITS=1 MAXUNITS=50) /CRITERIA TRAINING=BATCH OPTIMIZATION=SCALEDC ONJUGATE LAMBDAINITIAL=0.0000005 SIGMAINITIAL=0.00005 INTERVALCENTER=0 INTERVALOFFSET=0.5 MEMSIZE=1000 /PRINT CPS NETWORKINFO SUMMARY CLASSIFICATION SOLUTION IMPORTANCE /PLOT NETWORK /STOPPINGRULES ERRORSTEPS= 1 (DATA=AUTO) TRAININGTIMER=ON (MAXTIME=15) MAXEPOCHS=AUTO ERRORCHANGE=1.0E-4 ERRORRATIO=0.001 /MISSING USERMISSING=EXCLUDE .
Resources	Processor Time	00:00:00.42
	Elapsed Time	00:00:00.49

Warnings

One or more cases in the testing or holdout sample have factor or dependent variable values that do not occur in the training sample. These cases are excluded from the analysis.

Case Processing Summary

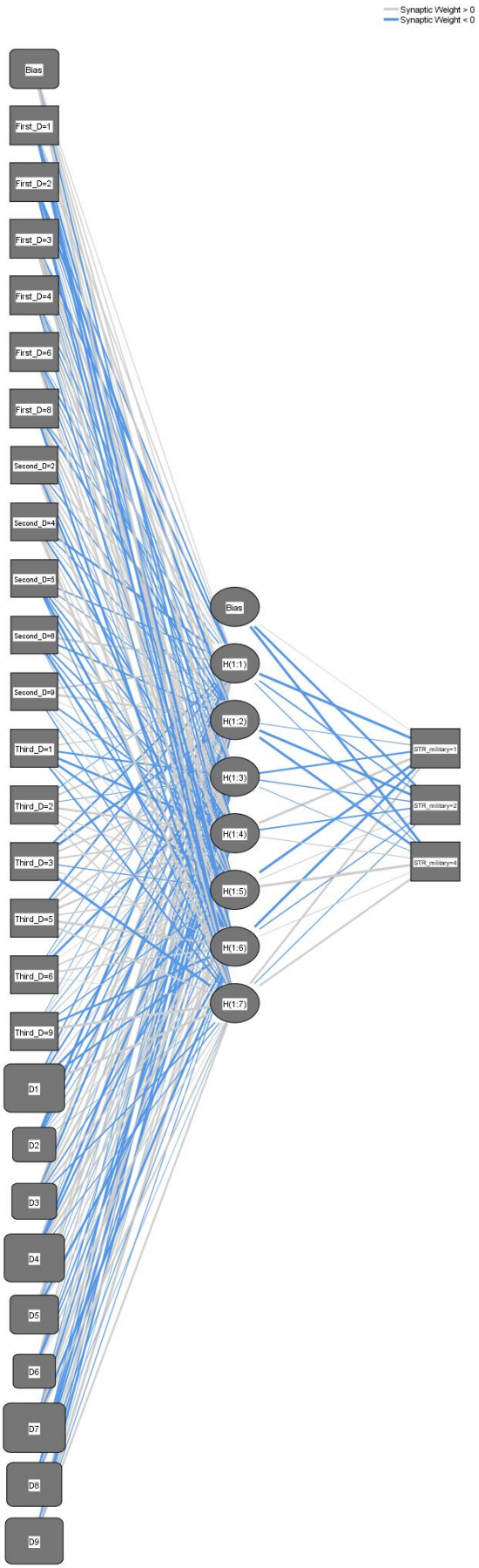
		N	Percent
Sample	Training	9	75.0%
	Testing	3	25.0%
Valid		12	100.0%
Excluded		92	
Total		104	

Network Information

Input Layer	Factors	1	First discourse in text
		2	Second discourse in text
		3	Third discourse in text
	Covariates	1	CONTACT RESTRICTION
		2	SANITATION AND HYGIENE
		3	ISOLATION OF INFECTED
		4	TOTAL ISOLATION
		5	HEALTH CARE
		6	VIRUS DISSEMINATIO N
		7	LIFESTYLE CHANGES
		8	RIGHTS AND FREEDOMS INFRINGEMENT

		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		26
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		7
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Militarylike strategy
	Number of Units		3
	Activation Function		Softmax
	Error Function		Cross-entropy

a. Excluding the bias unit


Synaptic Weight > 0
Synaptic Weight < 0
Bias
First_D=1
First_D=2
First_D=3
First_D=4
First_D=6
First_D=8
Second_D=2
Second_D=4
Second_D=5
Second_D=6
Second_D=9
Third_D=1
Third_D=2
Third_D=3
Third_D=5
Third_D=6
Third_D=9
D1
D2
D3
D4
D5
D6
D7
D8
D9
Bias
H(1:1)
H(1:2)
H(1:3)
H(1:4)
H(1:5)
H(1:6)
H(1:7)
STR_military=1
STR_military=2
STR_military=4
Hidden layer activation function: Hyperbolic tangent
Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	5.826
	Percent Incorrect Predictions	22.2%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.03
Testing	Cross Entropy Error	2.037
	Percent Incorrect Predictions	0.0%

Dependent Variable: Militarylike strategy

a. Error computations are based on the testing sample.

Parameter Estimates

		Predicted									
		Hidden Layer 1							Output Layer		
Predictor		H(1:1)	H(1:2)	H(1:3)	H(1:4)	H(1:5)	H(1:6)	H(1:7)	[STR_military =1]	[STR_military =2]	[STR_military =4]
Input Layer	(Bias)	.072	.119	.322	.378	-.285	.051	.541			
	[First_D=1]	.158	.400	.026	-.416	-.087	-.775	-.460			
	[First_D=2]	-.279	-.730	-.133	-.030	.119	-.287	-.404			
	[First_D=3]	-.434	.483	.788	-.120	.641	-.073	.508			
	[First_D=4]	.089	-.186	-.158	.602	-.037	.365	-.242			
	[First_D=6]	-.021	-.332	-.101	.389	-.179	.202	.295			
	[First_D=8]	-.121	-.472	.055	.479	.214	-.078	-.420			
	[Second_D=2]	.312	-.216	.262	.331	-.200	-.462	.474			
	[Second_D=4]	-.469	-.149	.000	-.397	.195	.103	1.052			
	[Second_D=5]	-.278	-.109	.404	-.315	-.249	-.646	-.135			
	[Second_D=6]	.467	-.348	.284	-.343	-.233	-.600	-.023			
	[Second_D=9]	.411	.462	.027	-.305	-.019	.112	-.153			
	[Third_D=1]	.060	.135	-.394	-.531	-.480	.129	-.372			
	[Third_D=2]	-.069	.351	-.065	.483	.121	.344	.205			
	[Third_D=3]	-.401	-.645	.359	.366	-.117	.091	-.796			
	[Third_D=5]	-.404	.414	.395	.462	.199	.571	.366			
	[Third_D=6]	-.070	-.050	-.544	.007	.240	.285	.026			
	[Third_D=9]	-.051	.083	-.076	.127	-.127	-.431	.718			
	D1	-.254	.112	-.325	.112	-.548	-.404	.785			

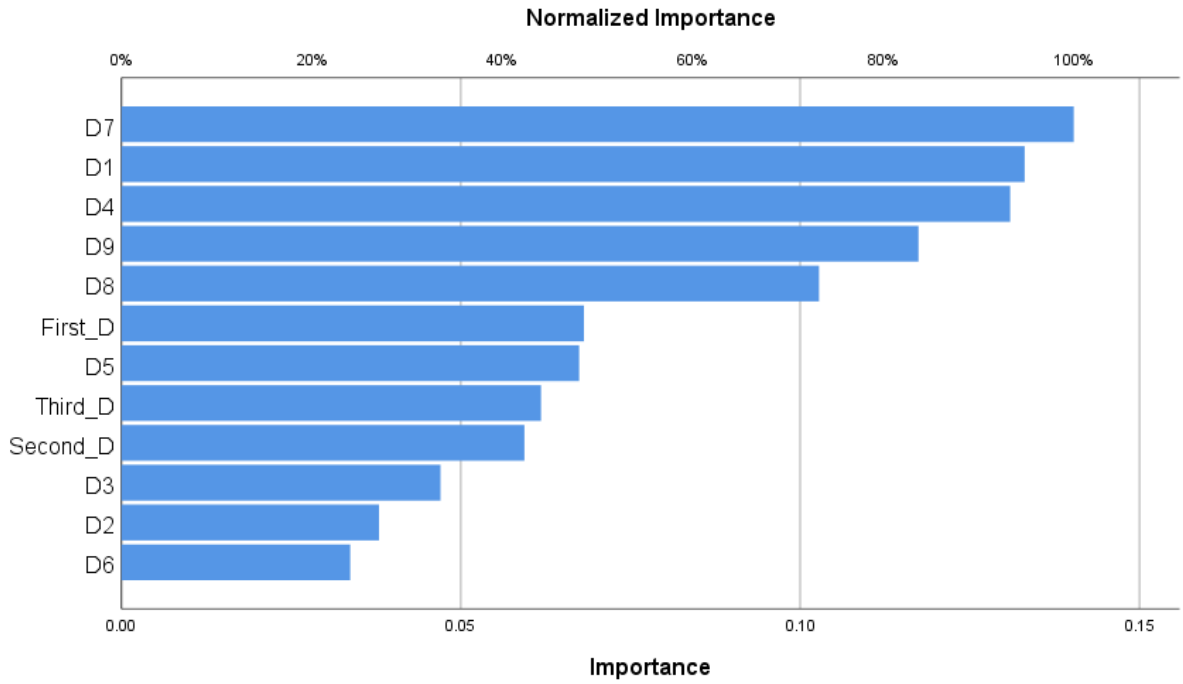
	D2	-.772	-.233	-.387	-.063	-.004	.081	-.019			
	D3	.845	-.428	.282	.497	-.263	.337	-.266			
	D4	.282	-.052	-.613	-.400	.521	.425	-.118			
	D5	.399	.512	-.044	-.037	.113	-.608	.119			
	D6	.271	.076	-.067	-.251	-.145	.244	.018			
	D7	-.094	.347	-.407	.554	.100	-.561	.395			
	D8	-.222	-.353	-.656	-.321	.458	-.108	-.020			
	D9	.548	-.185	-.512	-.006	.802	-.099	.396			
Hidden Layer 1	(Bias)								.034	-.550	-.724
	H(1:1)								-.776	-.270	-.098
	H(1:2)								-.059	-.717	-.643
	H(1:3)								-.366	-.120	-.045
	H(1:4)								.704	-.243	.120
	H(1:5)								-.690	.074	.814
	H(1:6)								-.656	-.127	.061
	H(1:7)								.434	-.108	.424

Classification

		Predicted			
Sample	Observed	worst option	mediocre option	best option	Percent Correct
Training	worst option	5	0	0	100.0%
	mediocre option	2	1	0	33.3%
	best option	0	0	1	100.0%
	Overall Percent	77.8%	11.1%	11.1%	77.8%
Testing	worst option	1	0	0	100.0%
	mediocre option	0	1	0	100.0%
	best option	0	0	1	100.0%
	Overall Percent	33.3%	33.3%	33.3%	100.0%

Dependent Variable: Militarylike strategy

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.068	48.6%
Second discourse in text	.059	42.3%
Third discourse in text	.062	44.1%
CONTACT RESTRICTION	.133	94.8%

SANITATION AND HYGIENE	.038	27.0%
ISOLATION OF INFECTED	.047	33.5%
TOTAL ISOLATION	.131	93.3%
HEALTH CARE	.067	48.1%
VIRUS DISSEMINATION	.034	24.0%
LIFESTYLE CHANGES	.140	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.103	73.3%
BUREAUCRATIC RESPONSE	.117	83.7%