```
*Multilayer Perceptron Network.
MLP everyday_life (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 17:00:43
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.54

Case Processing Summary

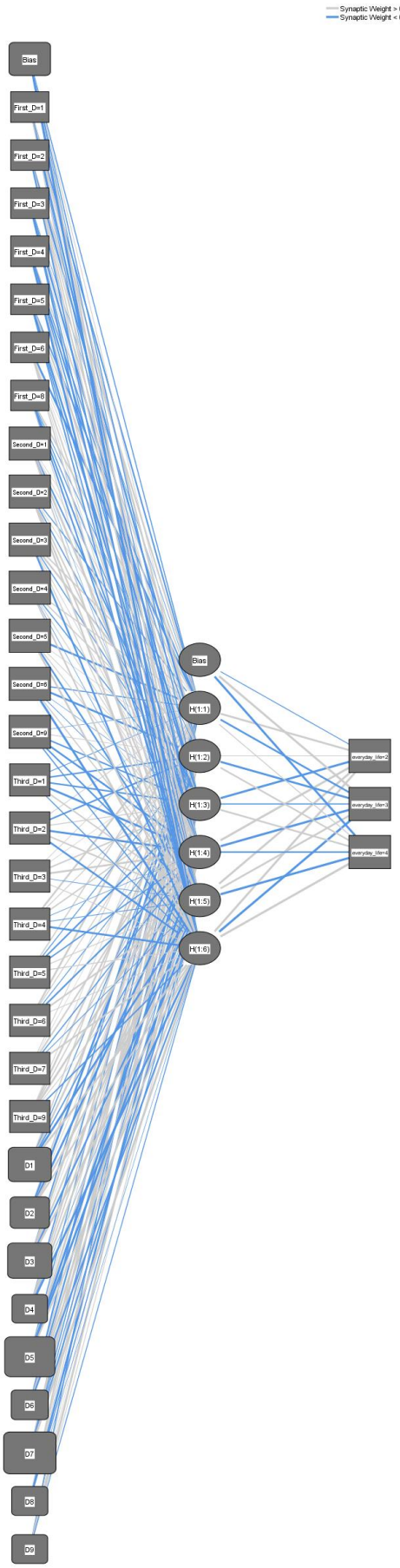
		N	Percent
Sample	Training	13	86.7%
	Testing	2	13.3%
Valid		15	100.0%
Excluded		89	
Total		104	

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	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		31
	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	Changes in everyday life
	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	8.200
	Percent Incorrect Predictions	23.1%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.03
Testing	Cross Entropy Error	.003
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	-.274	.103	-.297	-.146	.636	-2.155			
	[First_D=1]	-.474	.769	.038	-.636	-.177	.309			
	[First_D=2]	.572	-.627	.275	.383	.409	-.456			
	[First_D=3]	-.050	.256	-.691	.009	-.274	-.600			
	[First_D=4]	.375	-.338	-.597	-.377	.388	-1.092			
	[First_D=5]	-.420	.577	.056	-.767	-.368	-.384			
	[First_D=6]	-.840	.041	.005	.405	.088	.395			
	[First_D=8]	.473	-.150	-.269	-.471	-.537	.216			
	[Second_D=1]	.030	.057	-.439	1.315	-.001	.431			
	[Second_D=2]	-.267	.084	-.278	.421	.614	.623			
	[Second_D=3]	.387	.742	-.270	.092	.253	-.626			
	[Second_D=4]	.326	.370	-.278	.147	-.049	.569			
	[Second_D=5]	-.935	.052	.103	.185	-.599	.795			

	[Second_D=6]	-.317	-.853	-.022	-.094	.357	-1.522			
	[Second_D=9]	-.029	.100	-.428	-.739	-.547	-.323			
	[Third_D=1]	-.162	-.465	-.502	-1.095	.459	-.272			
	[Third_D=2]	.104	-.566	.247	-.947	.554	-.788			
	[Third_D=3]	.073	.042	.425	.781	-.059	.169			
	[Third_D=4]	.637	.226	.406	-.049	-.136	-.827			
	[Third_D=5]	.336	-.217	-.557	-.380	.186	.247			
	[Third_D=6]	.764	.235	-.182	-.572	.593	.112			
	[Third_D=7]	.119	.007	.523	-.300	-.139	.577			
	[Third_D=9]	.076	.729	.368	1.031	.108	-.405			
	D1	.357	-.244	.763	-.372	-1.085	1.213			
	D2	.539	-1.033	.052	-1.031	.911	.611			
	D3	-.404	1.338	.009	.620	-.606	.973			
	D4	-.392	.622	.378	.759	-.002	-1.076			
	D5	-.273	.136	1.030	-1.511	-1.415	.598			
	D6	-.549	.222	-.569	1.170	.617	-.549			
	D7	.406	.897	-.340	-.233	-.460	2.133			
	D8	.581	.247	.213	-.889	-.266	-.010			
	D9	-.372	.033	.031	1.367	.124	-.239			
Hidden Layer 1	(Bias)							-.226	1.475	-1.420
	H(1:1)							.863	-.718	.251
	H(1:2)							.096	-.960	.585
	H(1:3)							-1.403	-.367	.614
	H(1:4)							2.317	-1.586	-.485
	H(1:5)							1.385	.795	-2.558
	H(1:6)							1.456	-3.904	2.764

Classification

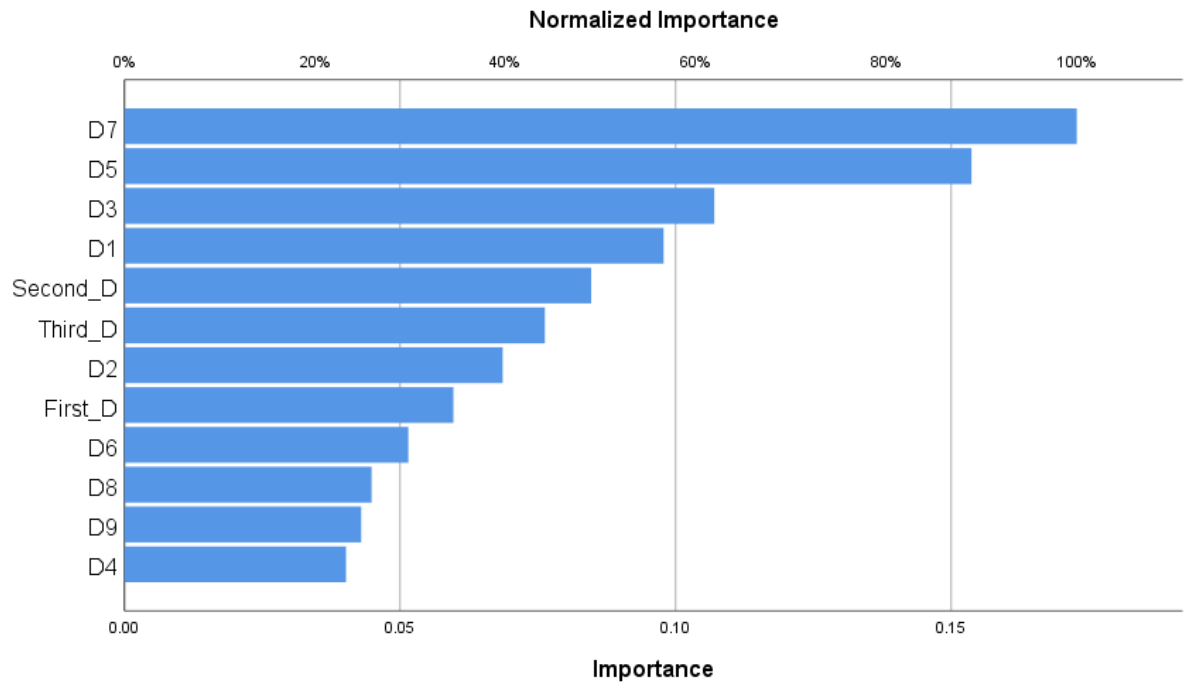
		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	2	3	0	40.0%
	noticeable changes	0	6	0	100.0%
	drastic changes	0	0	2	100.0%
	Overall Percent	15.4%	69.2%	15.4%	76.9%
Testing	minor changes	0	0	0	0.0%
	noticeable changes	0	2	0	100.0%

drastic changes	0	0	0	0.0%
Overall Percent	0.0%	100.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.060	34.5%
Second discourse in text	.085	49.0%
Third discourse in text	.076	44.2%
CONTACT RESTRICTION	.098	56.6%
SANITATION AND HYGIENE	.069	39.7%
ISOLATION OF INFECTED	.107	61.9%
TOTAL ISOLATION	.040	23.3%
HEALTH CARE	.154	88.9%
VIRUS DISSEMINATION	.051	29.8%
LIFESTYLE CHANGES	.173	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.045	26.0%
BUREAUCRATIC RESPONSE	.043	24.9%



```
*Multilayer Perceptron Network.
MLP everyday_life (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 17:00:48
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.49

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

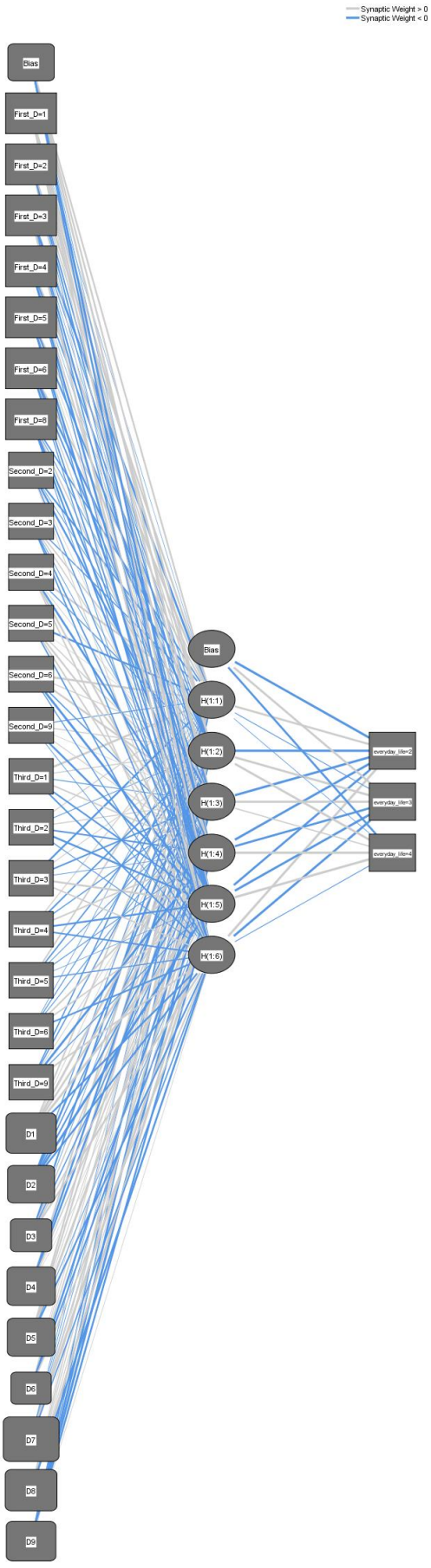
		N	Percent
Sample	Training	12	92.3%
	Testing	1	7.7%
Valid		13	100.0%
Excluded		91	
Total		104	

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 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]		6
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Changes in everyday life
	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	.310
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.04
Testing	Cross Entropy Error	.006
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	.529	.527	.757	-.032	-.822	-.461			
	[First_D=1]	-.003	1.007	.712	.855	.829	.074			
	[First_D=2]	.687	.298	-.366	-.414	-.063	.183			
	[First_D=3]	-.885	-.207	-.022	-.463	-.355	.674			
	[First_D=4]	.809	-.307	.000	.434	-.820	-.250			
	[First_D=5]	.268	-.479	.015	.184	-.731	-.299			
	[First_D=6]	.459	-.652	-.403	.232	-.368	-.232			
	[First_D=8]	-.345	-.124	.321	-.482	-.489	-.112			
	[Second_D=2]	-.456	-.124	-.603	.023	-.291	.128			
	[Second_D=3]	-.290	.365	.273	-.067	-.390	-.364			
	[Second_D=4]	.565	-.229	.064	-.716	.536	.387			
	[Second_D=5]	-.585	.010	.297	.485	.411	-.360			
	[Second_D=6]	.802	.227	.611	-.301	-.987	-.234			

	[Second_D=9]	-.190	.249	.046	.204	-.671	-.092			
	[Third_D=1]	.801	.245	-.180	.398	-.455	-.438			
	[Third_D=2]	.217	-.121	.248	-.429	-.615	-.203			
	[Third_D=3]	-.582	.126	-.430	-.061	.648	.367			
	[Third_D=4]	.205	-.400	-.283	.423	-.551	-.422			
	[Third_D=5]	.423	-.361	-.154	-.199	-.039	-.288			
	[Third_D=6]	-.048	-.204	-.178	.471	.386	-.484			
	[Third_D=9]	-.331	-.298	.118	-.891	-.225	.469			
	D1	.452	.112	.963	.707	1.453	-.568			
	D2	-.208	-.642	-.303	-.445	-1.695	-.543			
	D3	-.476	-.050	.318	-.298	.385	.636			
	D4	.514	-.692	-.628	.340	.003	.007			
	D5	.535	.496	.120	.963	-.117	-.475			
	D6	.015	.164	.315	-.703	-.461	.405			
	D7	-.059	-.051	-.061	.498	2.872	-.334			
	D8	.042	.320	.227	.174	1.538	-.641			
	D9	-.337	-.276	-.939	-1.174	-.604	.047			
Hidden Layer 1	(Bias)							-1.590	.874	-.771
	H(1:1)							.738	-.171	-.059
	H(1:2)							-2.131	.937	.994
	H(1:3)							-1.873	.995	.306
	H(1:4)							-1.624	-.867	2.210
	H(1:5)							-.906	-1.027	2.112
	H(1:6)							2.005	-1.029	-.129

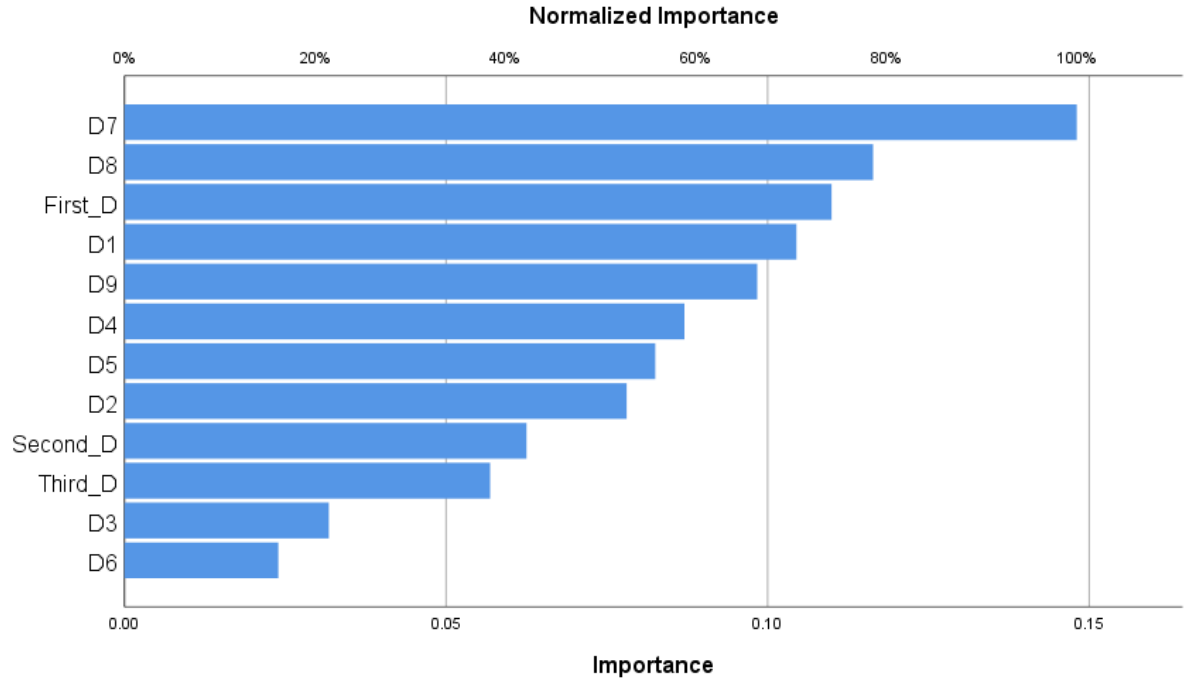
Classification

		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	2	0	0	100.0%
	noticeable changes	0	8	0	100.0%
	drastic changes	0	0	2	100.0%
	Overall Percent	16.7%	66.7%	16.7%	100.0%
Testing	minor changes	1	0	0	100.0%
	noticeable changes	0	0	0	0.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.110	74.2%
Second discourse in text	.063	42.2%
Third discourse in text	.057	38.4%
CONTACT RESTRICTION	.104	70.6%
SANITATION AND HYGIENE	.078	52.7%
ISOLATION OF INFECTED	.032	21.5%
TOTAL ISOLATION	.087	58.8%
HEALTH CARE	.083	55.7%
VIRUS DISSEMINATION	.024	16.2%
LIFESTYLE CHANGES	.148	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.116	78.6%
BUREAUCRATIC RESPONSE	.098	66.4%




```
*Multilayer Perceptron Network.
MLP everyday_life (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 17:01:08
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.39
	Elapsed Time	00:00:00.43

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

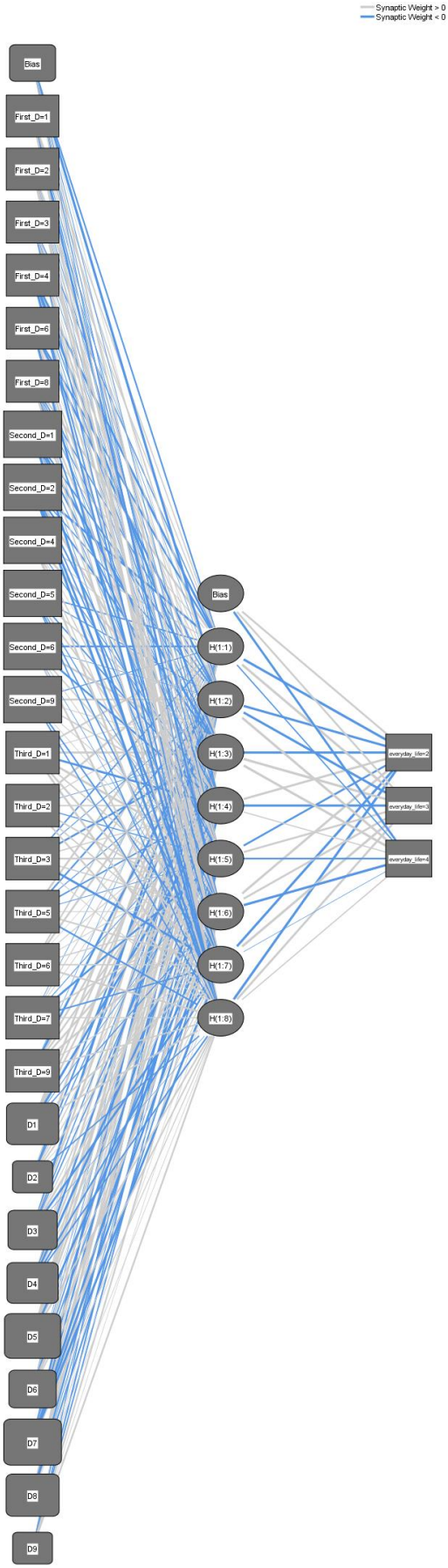
		N	Percent
Sample	Training	11	78.6%
	Testing	3	21.4%
Valid		14	100.0%
Excluded		90	
Total		104	

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]		28
	Rescaling Method for Covariates		Standardized
Hidden Layer(s)	Number of Hidden Layers		1
	Number of Units in Hidden Layer 1[a]		8
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Changes in everyday life
	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	.142
	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	.149
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	-.332	-.907	.036	-.090	.351	-.053	-.138	.160			
	[First_D=1]	.224	.297	.132	-.091	-.193	-.643	.125	.549			
	[First_D=2]	.191	-.024	.357	-.091	.386	-.016	.507	.441			
	[First_D=3]	-.197	.096	.315	-.066	.073	.354	.402	-.229			
	[First_D=4]	-.700	.144	-.757	-.192	-.069	.269	-.287	-.485			
	[First_D=6]	-.454	-.603	.139	.010	.314	.419	-.011	-.603			
	[First_D=8]	.478	-.244	-.186	-.121	.380	-.327	.262	.356			
	[Second_D=1]	.136	-.335	-.839	-.347	-.124	.227	-.064	-.709			
	[Second_D=2]	-.603	-.212	-.408	.687	-.306	-.265	-.700	-.851			
	[Second_D=4]	.211	.098	.549	-.165	.063	.250	.182	.569			
	[Second_D=5]	-.282	-.192	.264	-.280	.355	-.173	-.267	-.243			
	[Second_D=6]	-.432	-.053	.559	-.489	.276	.117	-.040	.460			
	[Second_D=9]	-.179	.450	.072	.280	.120	.065	-.312	-.258			

	[Third_D=1]	.404	.081	.570	-.630	.711	.286	.536	.588			
	[Third_D=2]	.603	.150	-.062	.262	-.194	.347	.294	.429			
	[Third_D=3]	-.289	-.133	-.472	.225	.466	.227	-.718	.132			
	[Third_D=5]	.512	-.373	-.156	-.298	-.089	.098	.350	-.370			
	[Third_D=6]	.315	.503	.019	.152	.110	.221	.260	.426			
	[Third_D=7]	-.059	.138	.087	-.131	-.539	.280	-.307	.202			
	[Third_D=9]	-.018	-.677	.475	.427	.515	.579	.166	.272			
	D1	.559	.425	.435	-.745	-.093	-.214	.360	.409			
	D2	.717	-.378	-.197	.199	.198	.279	.041	-.245			
	D3	-1.033	.547	-.210	-.239	.125	.564	-.628	.000			
	D4	.120	.462	-.568	.460	-.720	.168	-.388	-.322			
	D5	.258	.781	.808	.570	.066	-.651	.163	.330			
	D6	-.033	-.087	.572	-.229	-.227	.817	.087	.288			
	D7	-.878	.224	-.420	.438	-.847	-.588	-.716	.154			
	D8	.412	.174	.806	-.402	-.094	-.310	.032	.048			
	D9	.040	-.176	.005	-.301	-.262	.350	.019	.396			
Hidden Layer	(Bias)									.491	.469	-.716
1	H(1:1)									-1.408	1.505	-.247
	H(1:2)									-.803	-1.031	1.240
	H(1:3)									-2.110	1.598	1.203
	H(1:4)									.710	-.817	.215
	H(1:5)									-.492	.521	-.428
	H(1:6)									.834	.565	-1.315
	H(1:7)									-1.000	1.036	-.035
	H(1:8)									-1.588	.624	.238

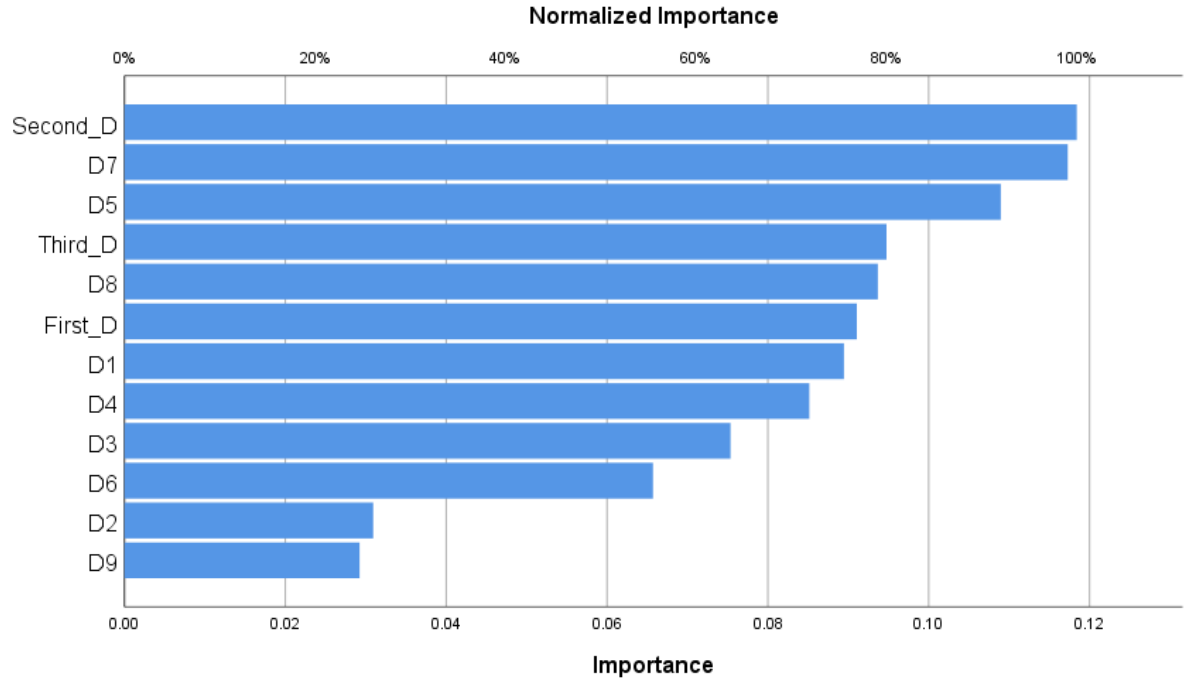
Classification

		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	4	0	0	100.0%
	noticeable changes	0	5	0	100.0%
	drastic changes	0	0	2	100.0%
	Overall Percent	36.4%	45.5%	18.2%	100.0%
Testing	minor changes	1	0	0	100.0%
	noticeable changes	0	2	0	100.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	33.3%	66.7%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.091	76.9%
Second discourse in text	.118	100.0%
Third discourse in text	.095	80.0%
CONTACT RESTRICTION	.089	75.5%
SANITATION AND HYGIENE	.031	26.1%
ISOLATION OF INFECTED	.075	63.6%
TOTAL ISOLATION	.085	71.9%
HEALTH CARE	.109	92.0%
VIRUS DISSEMINATION	.066	55.5%
LIFESTYLE CHANGES	.117	99.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.094	79.1%
BUREAUCRATIC RESPONSE	.029	24.7%




```
*Multilayer Perceptron Network.
MLP everyday_life (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 17:01:25
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.41
	Elapsed Time	00:00:00.42

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

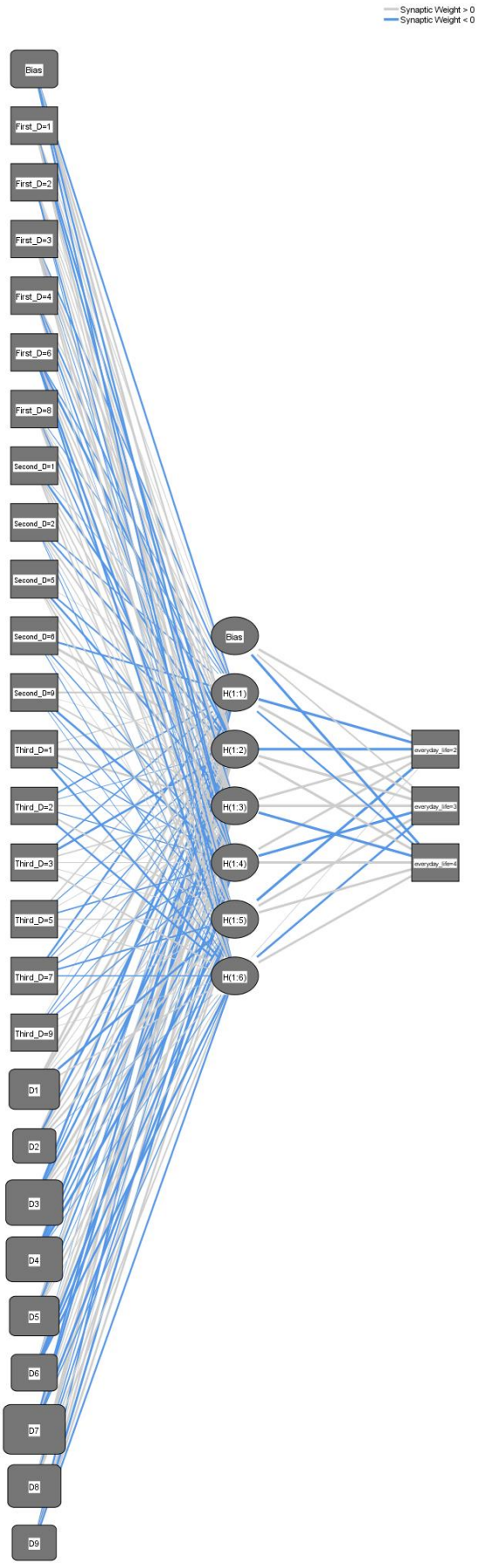
		N	Percent
Sample	Training	10	90.9%
	Testing	1	9.1%
Valid		11	100.0%
Excluded		93	
Total		104	

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]		26
	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	Changes in everyday life
	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	.006
	Percent Incorrect Predictions	0.0%
	Stopping Rule Used	Training error ratio criterion (.001) achieved
	Training Time	0:00:00.00
Testing	Cross Entropy Error	1.573E-5
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	-.461	.425	1.011	-.483	.077	-.436			
	[First_D=1]	.099	.276	-.482	-.444	.604	.149			
	[First_D=2]	.028	.216	.101	.286	-.328	-.106			
	[First_D=3]	-.339	.470	.552	-.092	.481	.405			
	[First_D=4]	.175	-.378	.374	-.341	-.007	.168			
	[First_D=6]	-.263	-.886	.292	.406	-.661	-.546			
	[First_D=8]	-.123	.032	.419	-.319	.337	.269			
	[Second_D=1]	-.014	-.555	.297	.293	.116	.352			
	[Second_D=2]	-.268	-.407	.395	.144	-.030	-.118			
	[Second_D=5]	.011	-.373	-.541	.219	.405	.069			
	[Second_D=6]	-.463	1.208	.171	-.273	.029	-.139			
	[Second_D=9]	.444	.010	.355	-.681	-.163	-.032			
	[Third_D=1]	.187	.848	.548	-.262	-.119	-.560			
	[Third_D=2]	-.366	-.072	.151	-.196	.369	-.489			
	[Third_D=3]	-.326	-.670	.277	.085	.070	.400			
	[Third_D=5]	.300	-.159	.048	-.315	.254	.178			

	[Third_D=7]	-.485	-.229	.245	-.268	-.373	-.216			
	[Third_D=9]	.012	-.166	-.102	-.268	.144	.025			
	D1	.956	1.078	.073	.153	-.822	.270			
	D2	.760	-.697	.360	.277	.548	-.013			
	D3	-1.015	-.244	-.617	1.053	.413	.163			
	D4	.246	-1.067	-.442	-.369	-1.339	-.113			
	D5	-.070	.984	-.415	-.055	.472	.145			
	D6	-.031	.205	.789	-1.148	-.518	-.666			
	D7	-.613	-.689	.250	.162	-.846	-.247			
	D8	.580	.877	-.213	-.332	.382	.346			
	D9	-.477	.060	.594	-.707	.540	-.446			
Hidden Layer	(Bias)							.970	.361	-1.298
1	H(1:1)							-1.637	1.518	-.474
	H(1:2)							-2.937	2.011	1.226
	H(1:3)							1.001	1.537	-2.135
	H(1:4)							.944	-2.025	1.036
	H(1:5)							-1.773	1.197	1.039
	H(1:6)							.049	-.657	.768

Classification

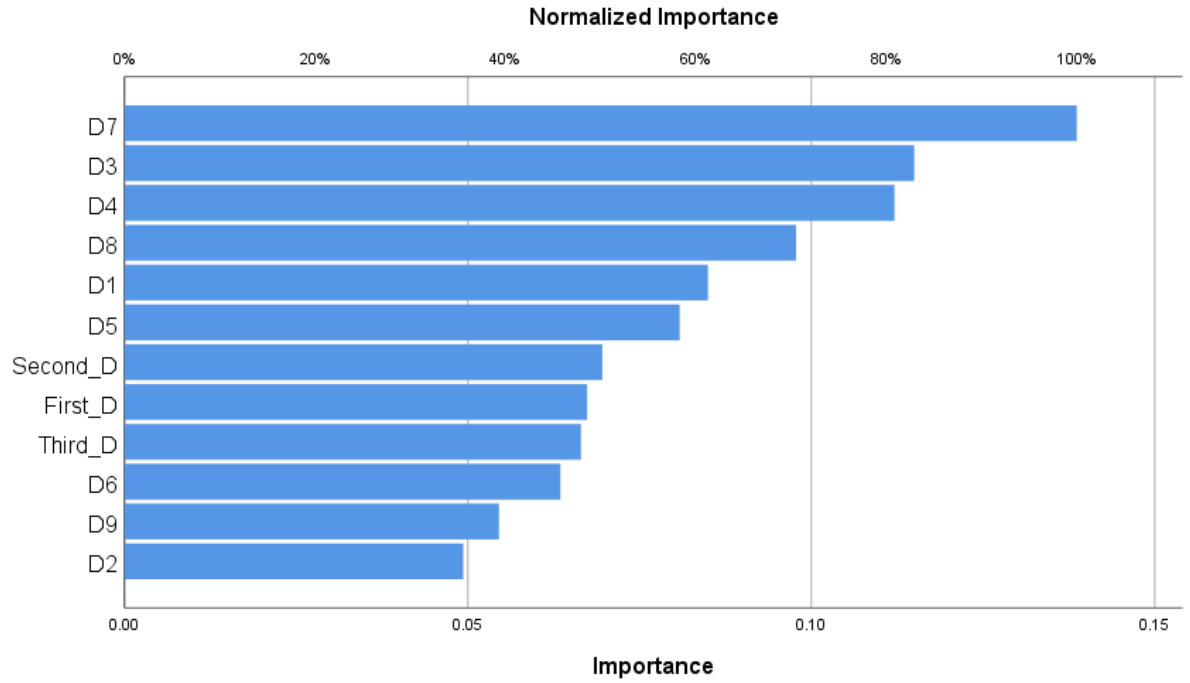
		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	4	0	0	100.0%
	noticeable changes	0	5	0	100.0%
	drastic changes	0	0	1	100.0%
	Overall Percent	40.0%	50.0%	10.0%	100.0%
Testing	minor changes	0	0	0	0.0%
	noticeable changes	0	1	0	100.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	0.0%	100.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.067	48.6%
Second discourse in text	.070	50.2%

Third discourse in text	.066	47.9%
CONTACT RESTRICTION	.085	61.3%
SANITATION AND HYGIENE	.049	35.6%
ISOLATION OF INFECTED	.115	82.9%
TOTAL ISOLATION	.112	80.9%
HEALTH CARE	.081	58.3%
VIRUS DISSEMINATION	.063	45.8%
LIFESTYLE CHANGES	.139	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.098	70.5%
BUREAUCRATIC RESPONSE	.055	39.3%




```
*Multilayer Perceptron Network.
MLP everyday_life (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 .
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Multilayer Perceptron

Notes

Output Created		13-DEC-2020 17:01:43
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.46

Case Processing Summary

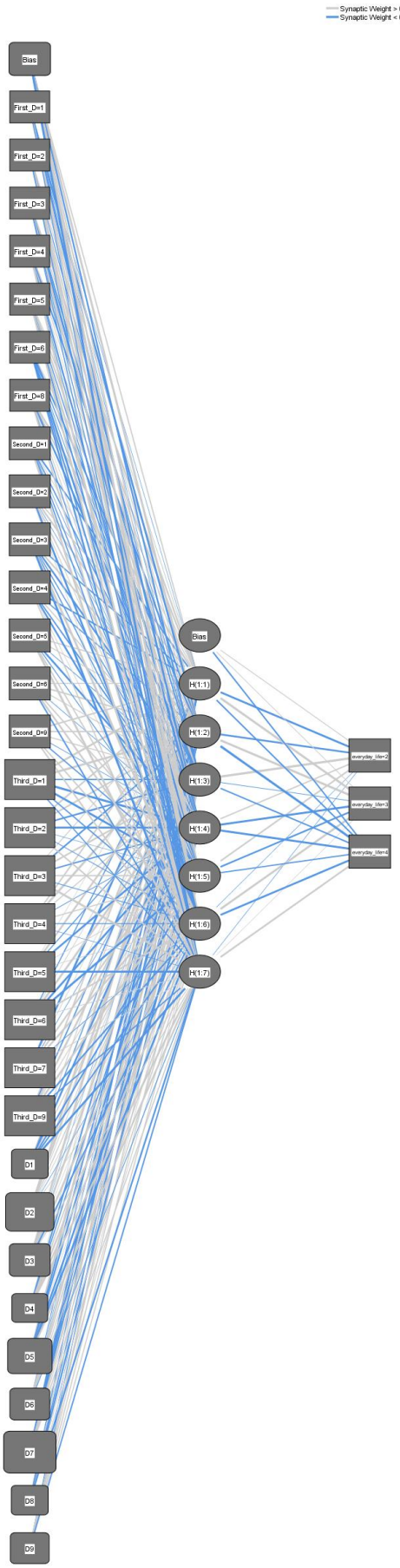
		N	Percent
Sample	Training	14	93.3%
	Testing	1	6.7%
Valid		15	100.0%
Excluded		89	
Total		104	

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	RIGHTS AND FREEDOMS INFRINGEMENT
		9	BUREAUCRATIC RESPONSE
	Number of Units[a]		31
	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	Changes in everyday life
	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	3.893
	Percent Incorrect Predictions	7.1%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.02
Testing	Cross Entropy Error	.077
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life =2]	[everyday_life =3]	[everyday_life =4]
Input Layer	(Bias)	.250	.786	-.394	.289	.465	1.039	-.855			
	[First_D=1]	-.013	-.538	-.027	-.652	.245	.459	-.166			
	[First_D=2]	.079	.131	-.161	.263	.428	.494	-.201			
	[First_D=3]	.416	.162	-.323	-.659	.548	-.131	-.167			
	[First_D=4]	.431	-.380	.120	.032	-.405	-.092	.583			
	[First_D=5]	.116	.321	.402	-.197	.527	-.345	.484			
	[First_D=6]	.147	-.375	-.186	-.072	-.533	-.353	-.421			
	[First_D=8]	.462	.305	-.469	.018	.157	-.167	.371			
	[Second_D=1]	-.359	.061	-.249	-.034	-.212	-.236	.644			
	[Second_D=2]	.230	.423	-.024	.322	.089	-.572	.048			
	[Second_D=3]	-.267	.392	-.451	-.189	-.201	.824	-.732			
	[Second_D=4]	-.377	-.206	.217	-.311	-.468	.036	.232			
	[Second_D=5]	.212	.157	-.073	-.488	-.145	.292	.806			
	[Second_D=6]	.168	.327	.158	-.053	.301	.434	-.343			
	[Second_D=9]	.364	.322	.171	-.048	-.237	.325	.361			
	[Third_D=1]	.578	.735	-.297	-.706	-.617	-.260	-.208			
	[Third_D=2]	.412	.390	-.407	-.574	-.004	-.097	.355			
	[Third_D=3]	.136	-.385	.426	-.319	.320	-.122	.710			
	[Third_D=4]	.326	.806	.191	-.075	.214	-.163	-.026			

	[Third_D=5]	.012	.509	-.170	-.531	.051	.047	-.663			
	[Third_D=6]	-.195	.064	.676	-.556	-.642	.399	.084			
	[Third_D=7]	-.657	.022	-.046	.429	.534	-.065	.103			
	[Third_D=9]	.332	-.261	.531	.129	.545	-.389	-.283			
	D1	.117	-.173	-.488	.162	-.382	-.355	-.608			
	D2	1.005	.817	.068	.170	.055	-.017	.073			
	D3	.700	-.001	.595	.008	.606	-.366	.166			
	D4	.057	-.346	-.225	.251	.448	.417	.532			
	D5	.625	-.334	-.442	.019	-.479	-.547	.456			
	D6	-.117	-.014	.603	.273	.150	.236	-.103			
	D7	-.502	-.762	-.432	.471	.136	.219	.206			
	D8	-.173	.154	-.247	-.424	.037	.116	-.420			
	D9	-.002	-.149	.494	.192	.211	.174	-.321			
Hidden Layer 1	(Bias)								.139	.074	-.334
	H(1:1)								-.559	1.046	-.350
	H(1:2)								-.439	1.085	-1.235
	H(1:3)								1.202	-.066	-.334
	H(1:4)								.302	-.583	-.598
	H(1:5)								.406	-.415	-.253
	H(1:6)								-.012	.652	-.534
	H(1:7)								-.018	.009	.471

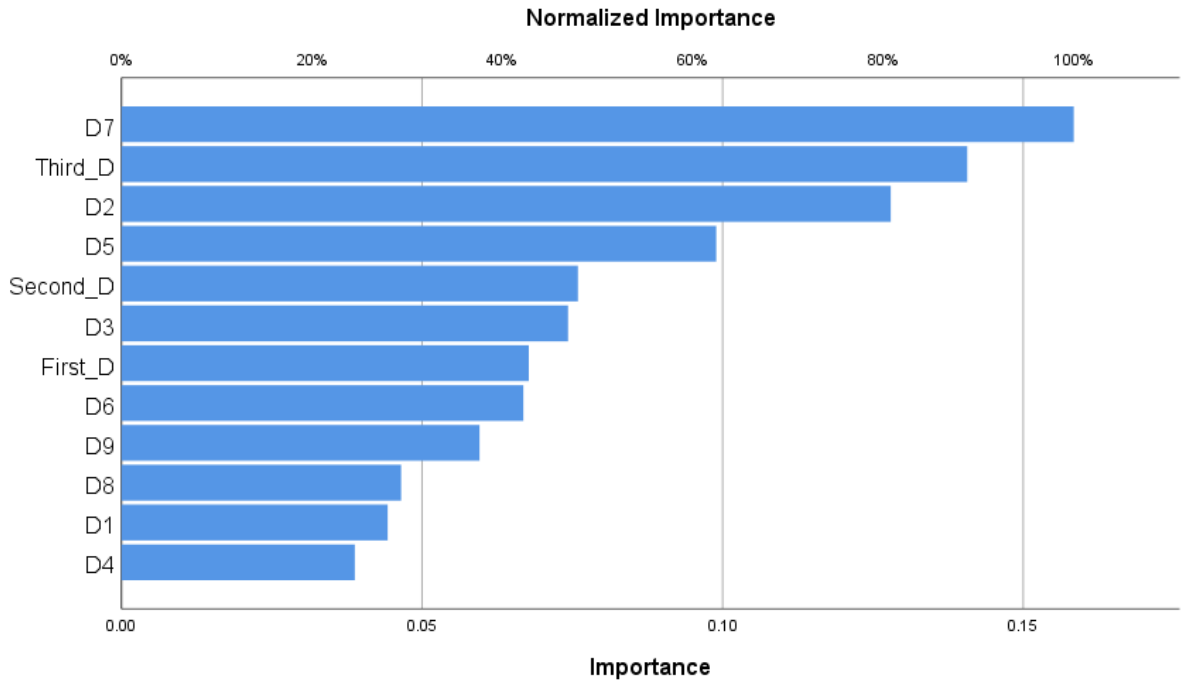
Classification

		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	4	1	0	80.0%
	noticeable changes	0	7	0	100.0%
	drastic changes	0	0	2	100.0%
	Overall Percent	28.6%	57.1%	14.3%	92.9%
Testing	minor changes	0	0	0	0.0%
	noticeable changes	0	1	0	100.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	0.0%	100.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.068	42.8%
Second discourse in text	.076	47.9%
Third discourse in text	.141	88.8%
CONTACT RESTRICTION	.044	28.0%
SANITATION AND HYGIENE	.128	80.8%
ISOLATION OF INFECTED	.074	46.9%
TOTAL ISOLATION	.039	24.5%
HEALTH CARE	.099	62.5%
VIRUS DISSEMINATION	.067	42.2%
LIFESTYLE CHANGES	.158	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.047	29.4%
BUREAUCRATIC RESPONSE	.060	37.6%




```
*Multilayer Perceptron Network.
MLP everyday_life (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 .
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Multilayer Perceptron

Notes

Output Created		13-DEC-2020 17:01:51
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.47
	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.

Case Processing Summary

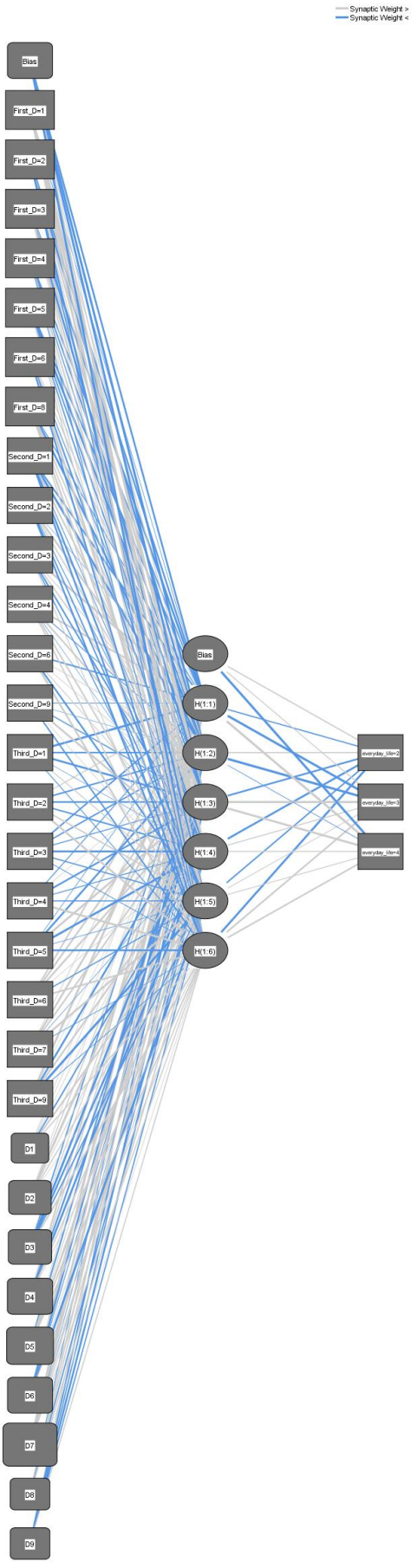
		N	Percent
Sample	Training	10	71.4%
	Testing	4	28.6%
Valid		14	100.0%
Excluded		90	
Total		104	

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]		6
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Changes in everyday life
	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=5
First_D=6
First_D=8
Second_D=1
Second_D=2
Second_D=3
Second_D=4
Second_D=6
Second_D=9
Third_D=1
Third_D=2
Third_D=3
Third_D=4
Third_D=5
Third_D=6
Third_D=7
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)
everyday_life=2
everyday_life=3
everyday_life=4
Hidden layer activation function: Hyperbolic tangent
Output layer activation function: Softmax

Model Summary

Training	Cross Entropy Error	3.624
	Percent Incorrect Predictions	20.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.03
Testing	Cross Entropy Error	1.536
	Percent Incorrect Predictions	25.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	-.446	-.842	-.718	.089	.328	-.715			
	[First_D=1]	-.042	.136	.821	.987	.327	.511			
	[First_D=2]	-.407	-.546	.383	.099	-.522	-.187			
	[First_D=3]	-.570	.557	-.538	.542	.178	.011			
	[First_D=4]	-.234	-.313	-.149	.312	.080	-.114			
	[First_D=5]	-.368	-.617	-.292	-.241	.114	.193			
	[First_D=6]	.068	.162	-.114	-.343	.573	-.398			
	[First_D=8]	-.148	-.539	.258	.199	.469	.186			
	[Second_D=1]	-.359	-.732	.370	-.098	-.452	-.438			
	[Second_D=2]	-.003	.541	.213	-.106	-.290	-.434			
	[Second_D=3]	.619	.095	.265	-.353	-.164	.110			
	[Second_D=4]	.438	-.109	.406	-.010	.339	.278			
	[Second_D=6]	-.327	.050	.045	.108	-.425	.504			

	[Second_D=9]	-.070	-.007	-.192	.554	.012	-.310			
	[Third_D=1]	-.584	-.388	-.536	-.021	.134	-.109			
	[Third_D=2]	.161	-.334	-.413	-.323	.292	.524			
	[Third_D=3]	-.343	-.295	-.158	-.505	-.219	-.079			
	[Third_D=4]	-.138	.006	-.420	-.138	-.186	.559			
	[Third_D=5]	-.048	-.470	.584	-.600	-.051	-.466			
	[Third_D=6]	.400	.455	.476	.041	-.197	.417			
	[Third_D=7]	.068	.528	.383	-.037	.577	-.060			
	[Third_D=9]	.623	.001	-.499	.468	-.830	-.081			
	D1	.037	.045	.032	-.299	.419	.198			
	D2	.037	.174	.866	.070	.212	.010			
	D3	-.255	.112	-.648	-.471	-.283	.399			
	D4	.433	.206	-.427	-.544	.239	.069			
	D5	.068	-.335	.070	.664	.326	.302			
	D6	.705	-.471	-.104	.052	-.756	.160			
	D7	.565	.880	-.045	.664	.116	.171			
	D8	-.117	.334	.298	-.266	.286	.010			
	D9	.201	-.376	-.227	-.490	-.220	.185			
Hidden Layer 1	(Bias)							.222	.145	-.917
	H(1:1)							-.214	-.911	.951
	H(1:2)							.237	-1.220	-.066
	H(1:3)							-.435	.761	.586
	H(1:4)							-.535	.165	.170
	H(1:5)							-.314	.091	.115
	H(1:6)							-.572	.435	.410

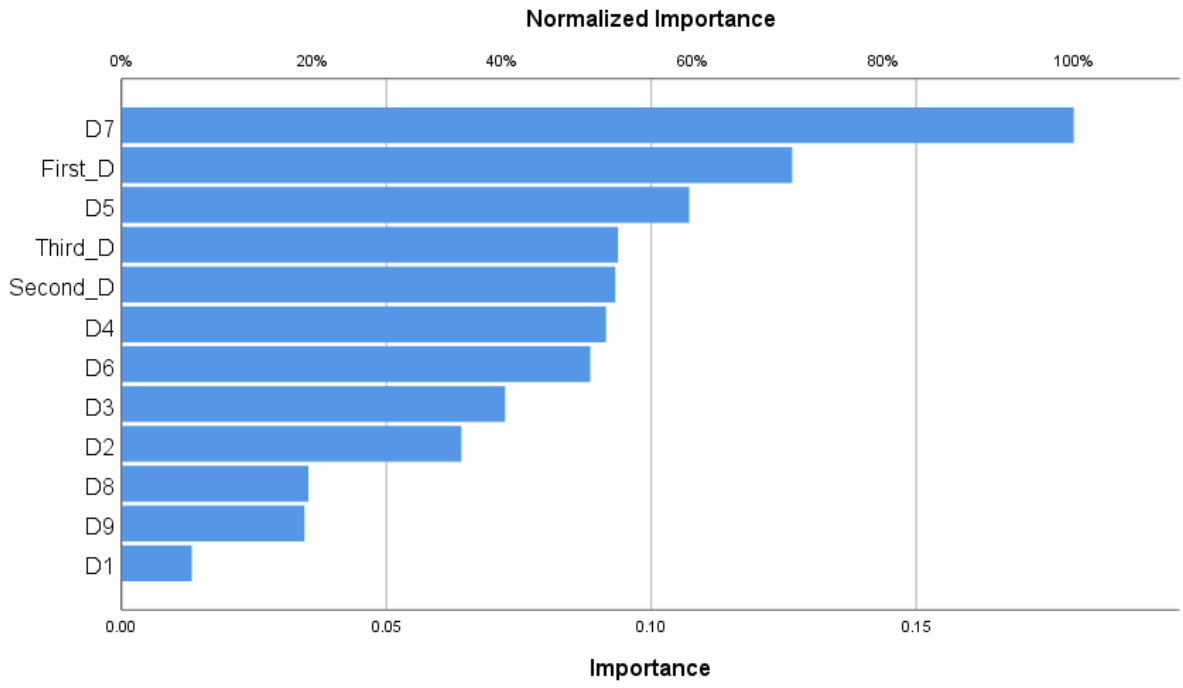
Classification

		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	2	1	0	66.7%
	noticeable changes	1	5	0	83.3%
	drastic changes	0	0	1	100.0%
	Overall Percent	30.0%	60.0%	10.0%	80.0%
Testing	minor changes	2	0	0	100.0%
	noticeable changes	1	1	0	50.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	75.0%	25.0%	0.0%	75.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.127	70.4%
Second discourse in text	.093	51.8%
Third discourse in text	.094	52.1%
CONTACT RESTRICTION	.013	7.4%
SANITATION AND HYGIENE	.064	35.7%
ISOLATION OF INFECTED	.072	40.3%
TOTAL ISOLATION	.091	50.9%
HEALTH CARE	.107	59.6%
VIRUS DISSEMINATION	.088	49.2%
LIFESTYLE CHANGES	.180	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.035	19.6%
BUREAUCRATIC RESPONSE	.035	19.2%



*Multilayer Perceptron Network.

```
MLP everyday_life (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 17:02:02
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.46

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

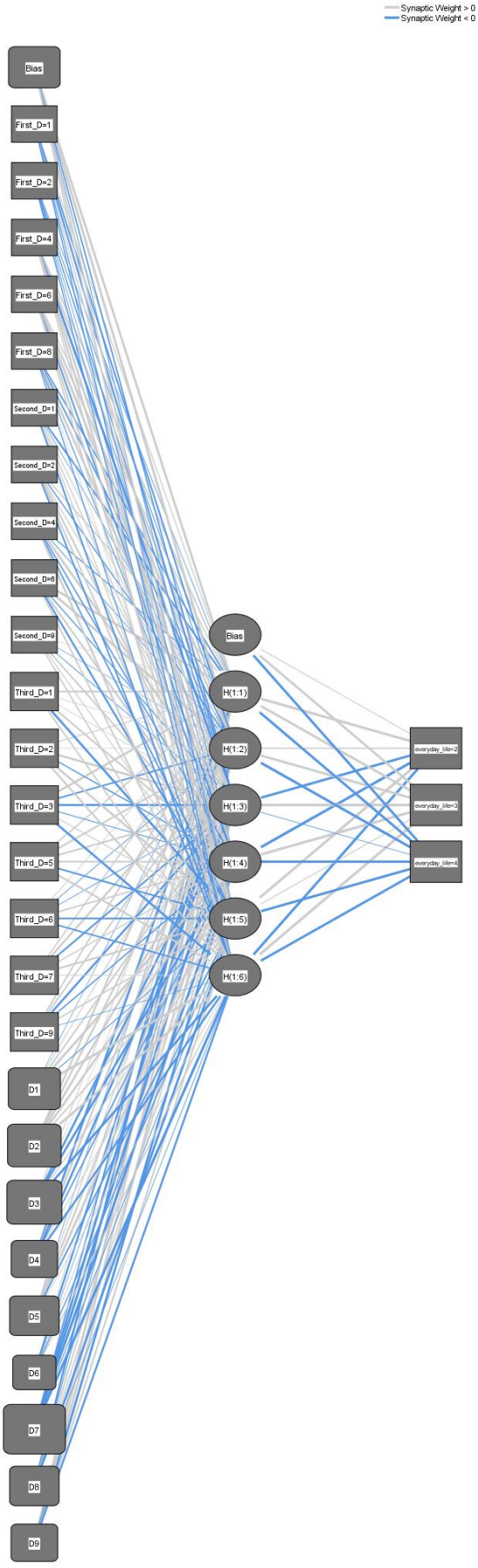
		N	Percent
Sample	Training	10	90.9%
	Testing	1	9.1%
Valid		11	100.0%
Excluded		93	
Total		104	

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]		26
	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	Changes in everyday life
	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	.044
	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: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	.625	.730	-.253	-.086	.412	.234			
	[First_D=1]	.142	-.347	-.391	.177	-.152	-.206			
	[First_D=2]	-.033	-.090	-.210	-.025	-.065	-.195			
	[First_D=4]	.275	.437	-.622	.482	.448	.218			
	[First_D=6]	.234	.432	.603	-.313	.414	.247			
	[First_D=8]	-.274	-.265	.517	-.127	.003	-.175			
	[Second_D=1]	-.384	-.026	.110	.218	.134	-.334			
	[Second_D=2]	.241	-.210	.163	.398	.328	-.309			
	[Second_D=4]	-.150	-.052	.546	-.238	-.275	.434			
	[Second_D=6]	.675	.737	-.174	.398	-.411	.286			
	[Second_D=9]	.015	-.001	-.056	.331	.129	.279			
	[Third_D=1]	.408	.024	.031	.401	-.552	.283			
	[Third_D=2]	.137	.004	.539	-.223	.465	.412			
	[Third_D=3]	.535	-.298	-.480	-.113	.156	-.537			

	[Third_D=5]	.260	.390	.383	.384	-.375	.428			
	[Third_D=6]	.045	-.069	-.047	.282	-.355	-.297			
	[Third_D=7]	.234	.449	-.380	.220	.406	.078			
	[Third_D=9]	.300	.317	-.475	-.243	.251	-.012			
	D1	-.019	.110	.351	.726	-.108	.999			
	D2	.430	.427	.534	.504	.272	.736			
	D3	.095	.006	-.502	-.542	.173	-.634			
	D4	-.561	.416	-.505	-.243	.092	-.461			
	D5	-.021	.119	.405	.571	-.295	.046			
	D6	.036	-.435	-.019	.073	-.180	.237			
	D7	-.253	-.801	-.794	-1.211	-.096	-1.358			
	D8	-.452	-.082	.279	.244	-.636	-.040			
	D9	.523	.375	.639	-.633	.368	-.436			
Hidden Layer 1	(Bias)							.115	.712	-1.056
	H(1:1)							1.344	.758	-1.189
	H(1:2)							.235	.917	-1.521
	H(1:3)							-.953	1.484	-.033
	H(1:4)							-1.655	1.453	-1.122
	H(1:5)							1.372	.120	-1.207
	H(1:6)							-1.322	1.781	-.863

Classification

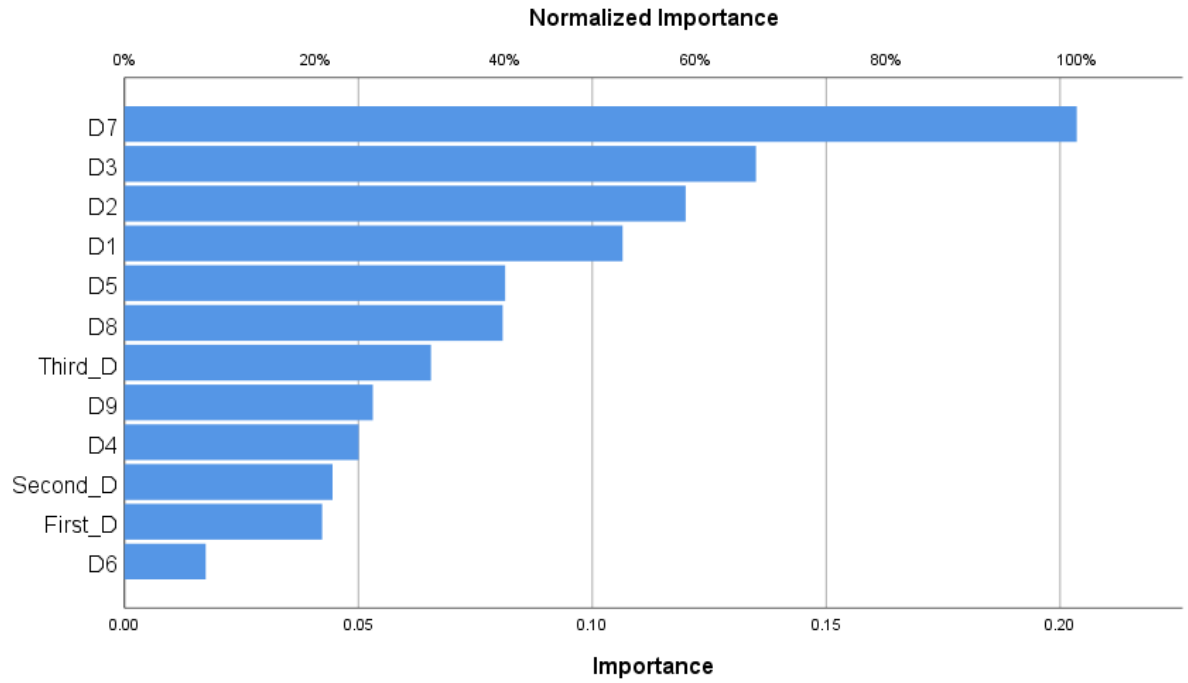
		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	3	0	0	100.0%
	noticeable changes	0	6	0	100.0%
	drastic changes	0	0	1	100.0%
	Overall Percent	30.0%	60.0%	10.0%	100.0%
Testing	minor changes	1	0	0	100.0%
	noticeable changes	0	0	0	0.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance

First discourse in text	.042	20.7%
Second discourse in text	.044	21.9%
Third discourse in text	.066	32.2%
CONTACT RESTRICTION	.106	52.3%
SANITATION AND HYGIENE	.120	58.9%
ISOLATION OF INFECTED	.135	66.3%
TOTAL ISOLATION	.050	24.6%
HEALTH CARE	.081	40.0%
VIRUS DISSEMINATION	.017	8.5%
LIFESTYLE CHANGES	.204	100.0%
RIGHTS AND FREEDOMS INFRINGEMENT	.081	39.7%
BUREAUCRATIC RESPONSE	.053	26.1%




```
*Multilayer Perceptron Network.
MLP everyday_life (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 17:02:09
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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.

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

Case Processing Summary

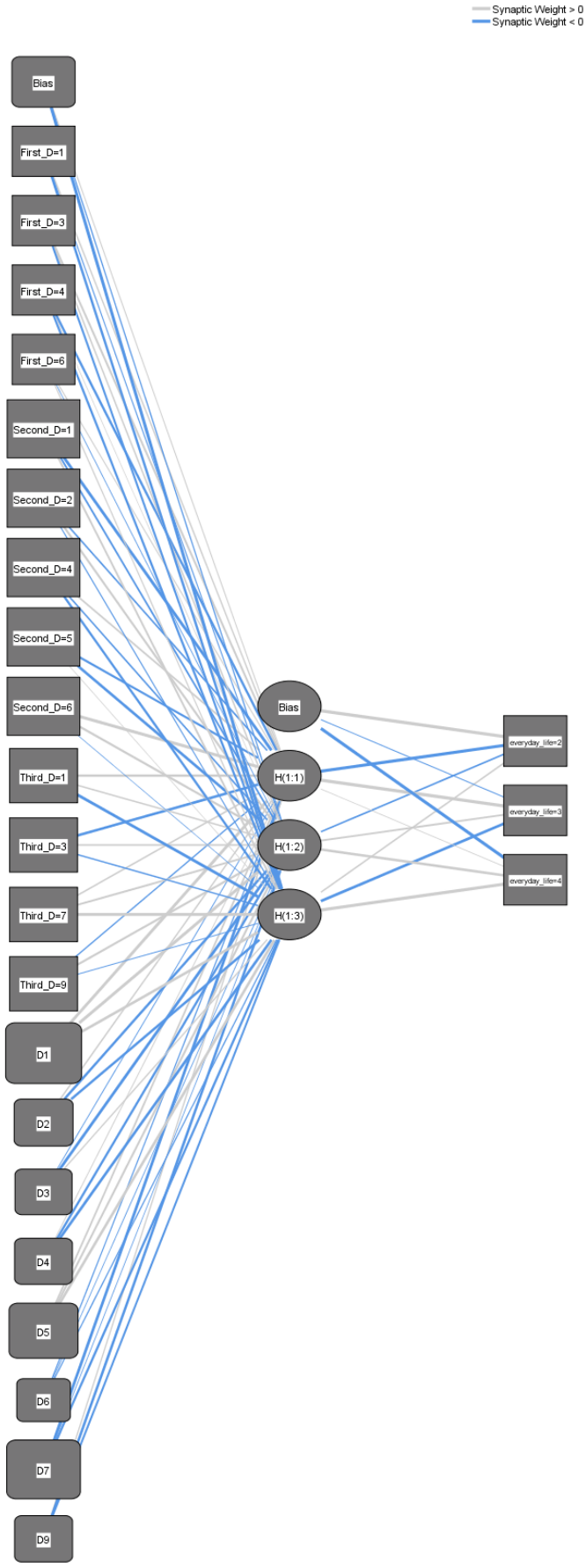
		N	Percent
Sample	Training	8	80.0%
	Testing	2	20.0%
Valid		10	100.0%
Excluded		94	
Total		104	

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]	3
	Activation Function	Hyperbolic tangent
Output Layer	Dependent Variables 1	Changes in everyday life
	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	3.178
	Percent Incorrect Predictions	25.0%
	Stopping Rule Used	1 consecutive step(s) with no decrease in error[a]
	Training Time	0:00:00.02
Testing	Cross Entropy Error	.361
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life =2]	[everyday_life =3]	[everyday_life =4]
Input Layer	(Bias)	.063	-.123	-.816			
	[First_D=1]	.156	-.069	-.542			
	[First_D=3]	.396	.194	-.424			
	[First_D=4]	-.532	5.959E-5	-.454			
	[First_D=6]	.064	-.047	.091			
	[Second_D=1]	-.772	-.299	.333			
	[Second_D=2]	-.239	.425	-.080			
	[Second_D=4]	.284	-.219	-.515			
	[Second_D=5]	-.448	-.745	.012			
	[Second_D=6]	.826	.453	-.024			
	[Third_D=1]	.536	.203	-.763			
	[Third_D=3]	-.693	.276	-.167			
	[Third_D=7]	.208	.358	1.067			
	[Third_D=9]	-.141	.426	-.052			
	D1	.791	.801	.704			
	D2	.185	-.577	-.585			
	D3	-.048	-.762	.133			
	D4	.048	-.503	-.724			
	D5	.284	.421	.699			

	D6	-.113	-.043	-.118			
	D7	-.762	-.037	-.489			
	D9	.130	-.622	-.419			
Hidden Layer 1	(Bias)				1.129	-.060	-1.086
	H(1:1)				-.850	1.306	.024
	H(1:2)				-.273	.316	.629
	H(1:3)				.205	-.760	.894

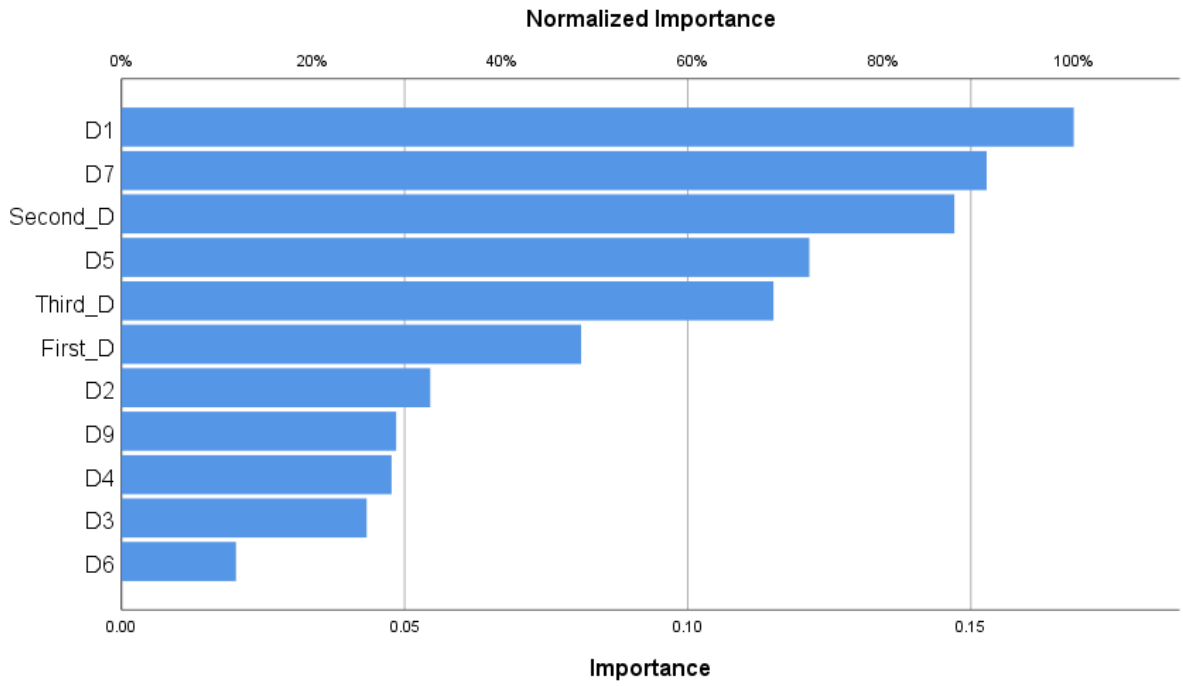
Classification

		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	4	0	0	100.0%
	noticeable changes	1	2	0	66.7%
	drastic changes	1	0	0	0.0%
	Overall Percent	75.0%	25.0%	0.0%	75.0%
Testing	minor changes	1	0	0	100.0%
	noticeable changes	0	1	0	100.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	50.0%	50.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.081	48.3%
Second discourse in text	.147	87.5%
Third discourse in text	.115	68.5%
CONTACT RESTRICTION	.168	100.0%
SANITATION AND HYGIENE	.055	32.4%
ISOLATION OF INFECTED	.043	25.7%
TOTAL ISOLATION	.048	28.4%
HEALTH CARE	.121	72.2%
VIRUS DISSEMINATION	.020	12.0%
LIFESTYLE CHANGES	.153	90.8%
BUREAUCRATIC RESPONSE	.048	28.8%




```
*Multilayer Perceptron Network.
MLP everyday_life (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 17:02:18
Comments	

Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.58
	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

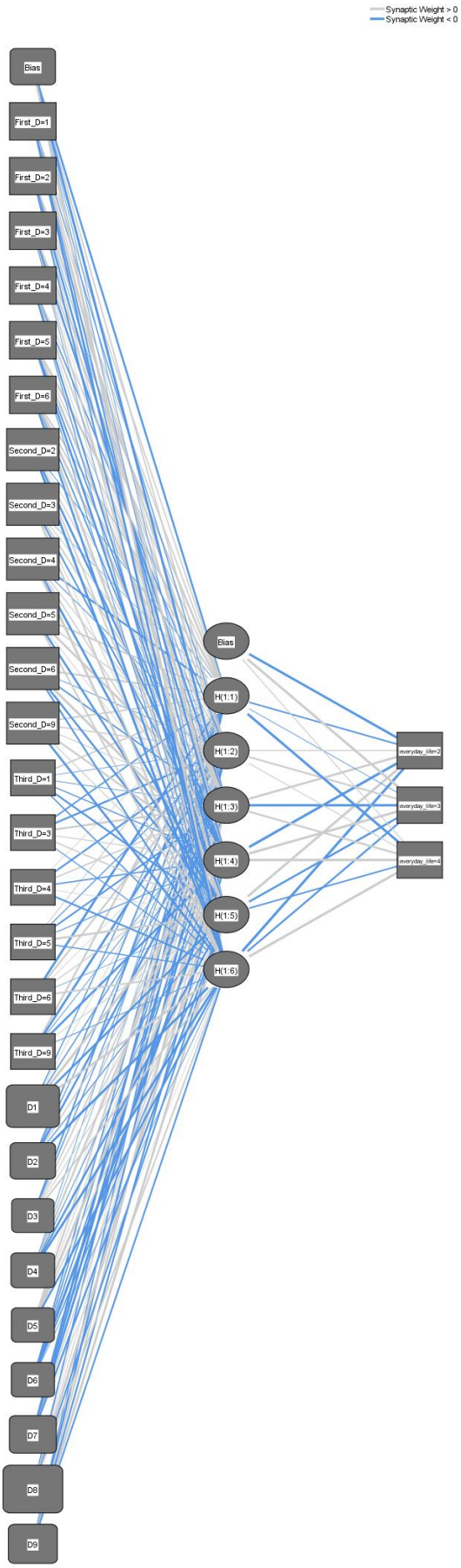
		N	Percent
Sample	Training	9	81.8%
	Testing	2	18.2%
Valid		11	100.0%
Excluded		93	
Total		104	

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]		6
	Activation Function		Hyperbolic tangent
Output Layer	Dependent Variables	1	Changes in everyday life
	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	2.432
	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	.374
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	-.524	.261	-.842	-.073	-.071	.725			
	[First_D=1]	.208	-.159	.171	.901	-.291	-.669			
	[First_D=2]	.230	.522	-.025	-.533	.174	-.379			
	[First_D=3]	.604	.399	-.572	.005	.321	-.069			
	[First_D=4]	.179	-.241	.411	.078	-.409	-.139			
	[First_D=5]	.705	.145	.746	-.282	-.611	-.096			
	[First_D=6]	.378	.271	.932	-.273	.813	-.653			
	[Second_D=2]	-.088	.019	.179	-.583	.283	-.819			
	[Second_D=3]	-.009	.103	.317	-.379	.080	.437			
	[Second_D=4]	-.510	-.098	.164	.218	-.717	.890			
	[Second_D=5]	.419	.179	.762	.069	-.603	.408			
	[Second_D=6]	.451	-.081	-.284	.892	-.548	-.409			
	[Second_D=9]	.356	.216	.096	.463	.126	-.715			

	[Third_D=1]	.281	-.044	-.076	-.195	-.477	-.242			
	[Third_D=3]	-.306	-.480	.523	.132	.235	-.153			
	[Third_D=4]	.020	-.426	.262	-.250	.011	-.423			
	[Third_D=5]	.098	-.170	-.406	-.147	.621	-.181			
	[Third_D=6]	-.770	.430	.021	.172	-.024	.387			
	[Third_D=9]	.502	-.729	-.082	-.665	.083	-.093			
	D1	-.181	.046	-.187	.898	-.656	.731			
	D2	-.263	-.146	-.566	.239	-.175	-.883			
	D3	-.371	-.178	.273	.157	.089	.386			
	D4	-.081	-.016	.557	-.102	-.531	-.765			
	D5	.011	.449	.085	1.080	.211	-.549			
	D6	-.267	-.234	-.269	-1.145	-.257	-.065			
	D7	-.823	-.724	-.675	.197	-.489	.005			
	D8	-.349	.009	.088	.961	-.383	.357			
	D9	-.235	-.550	.440	-.423	.752	-.404			
Hidden Layer	(Bias)							-.868	1.013	.117
1	H(1:1)							-.327	-.078	-.951
	H(1:2)							.160	.417	.100
	H(1:3)							.711	-.849	.521
	H(1:4)							-1.115	.933	1.467
	H(1:5)							.917	-.571	-.319
	H(1:6)							-1.767	-.506	1.120

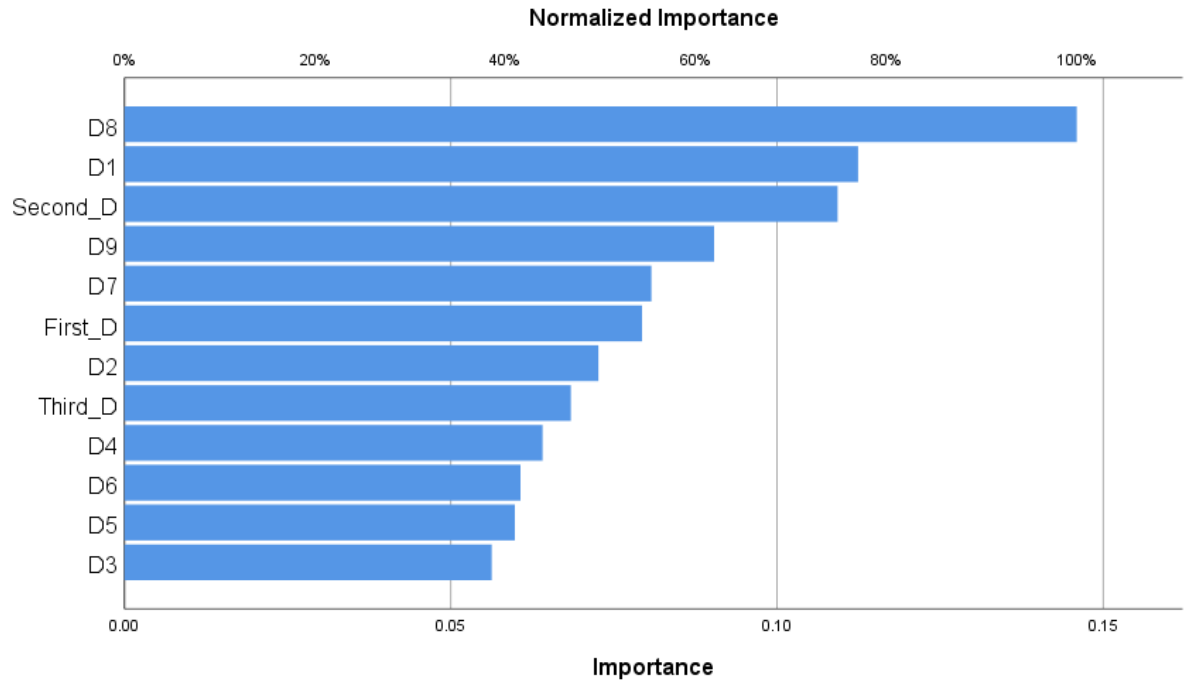
Classification

		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	1	0	0	100.0%
	noticeable changes	0	6	0	100.0%
	drastic changes	0	0	2	100.0%
	Overall Percent	11.1%	66.7%	22.2%	100.0%
Testing	minor changes	2	0	0	100.0%
	noticeable changes	0	0	0	0.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.079	54.4%
Second discourse in text	.109	74.9%
Third discourse in text	.068	46.9%
CONTACT RESTRICTION	.112	77.0%
SANITATION AND HYGIENE	.073	49.8%
ISOLATION OF INFECTED	.056	38.6%
TOTAL ISOLATION	.064	43.9%
HEALTH CARE	.060	41.0%
VIRUS DISSEMINATION	.061	41.6%
LIFESTYLE CHANGES	.081	55.3%
RIGHTS AND FREEDOMS INFRINGEMENT	.146	100.0%
BUREAUCRATIC RESPONSE	.090	61.9%




```
*Multilayer Perceptron Network.
MLP everyday_life (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 17:02:24
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\Quarantine definition survey\SPSS\NN_EN_covid_nominal_9D.sav
	Active Dataset	DataSet1
	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 everyday_life (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	00:00:00.44
	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: D8.

Case Processing Summary

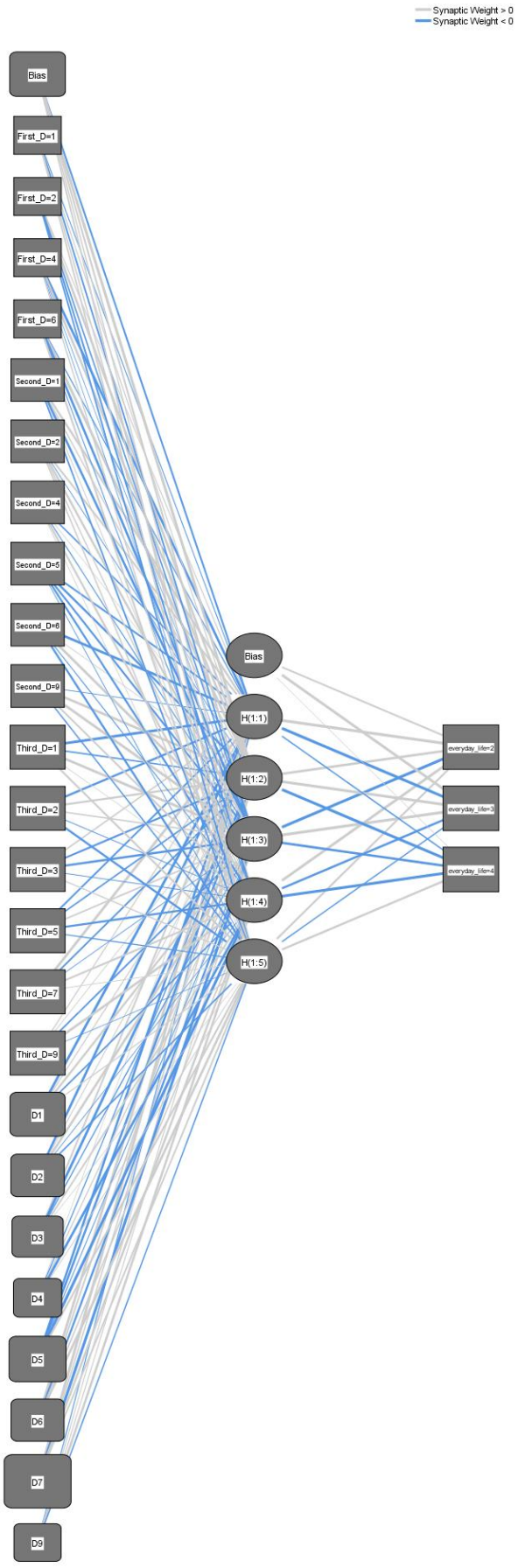
		N	Percent
Sample	Training	9	90.0%
	Testing	1	10.0%
Valid		10	100.0%
Excluded		94	
Total		104	

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	BUREAUCRATI C RESPONSE

	Number of Units[a]		24
	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	Changes in everyday life
	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	.049
	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	.022
	Percent Incorrect Predictions	0.0%

Dependent Variable: Changes in everyday life

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)	[everyday_life=2]	[everyday_life=3]	[everyday_life=4]
Input Layer	(Bias)	-.346	.888	.334	.170	.276			
	[First_D=1]	-.099	.136	-.287	.206	.269			
	[First_D=2]	.110	.543	-.233	-.308	-.270			
	[First_D=4]	-.608	.522	-.037	-.040	.202			
	[First_D=6]	-.149	.711	-.539	-.097	.364			
	[Second_D=1]	.498	.179	-.535	.077	-.268			
	[Second_D=2]	.357	-.066	.498	.191	.231			
	[Second_D=4]	-.249	.006	-.130	.414	.054			
	[Second_D=5]	-.317	-.471	-.367	-.389	-.065			
	[Second_D=6]	-.642	.055	.672	-.122	-.449			
	[Second_D=9]	-.073	.628	.779	.353	-.225			
	[Third_D=1]	-.778	-.245	.774	.023	.377			
	[Third_D=2]	-.475	.439	.243	-.080	-.462			

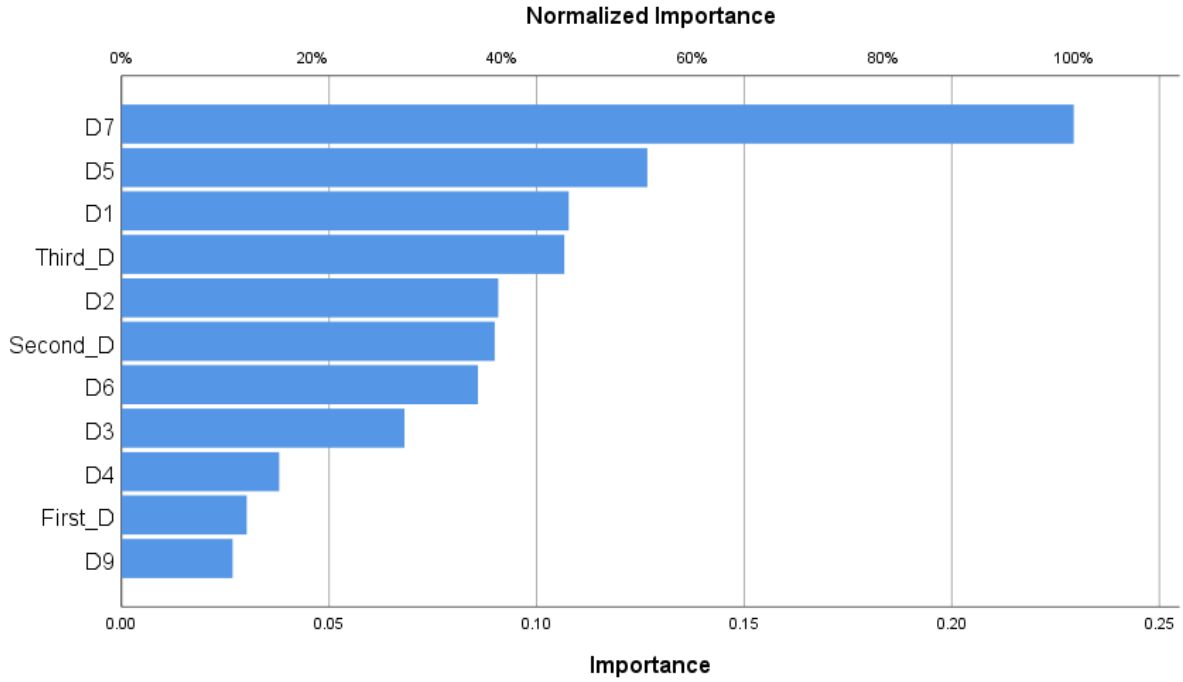
	[Third_D=3]	.252	-.376	-.510	-.081	.196			
	[Third_D=5]	-.340	-.259	.271	-.442	-.157			
	[Third_D=7]	.741	-.299	-.060	.372	.057			
	[Third_D=9]	.162	.064	-.293	.643	-.043			
	D1	-.690	.152	.442	-.262	.165			
	D2	-.617	.106	.568	-.059	-.255			
	D3	.345	-.658	-.176	.303	.020			
	D4	.034	-.169	.170	-.624	.080			
	D5	-.522	-.514	-.083	-.950	.376			
	D6	.646	.274	-.413	.240	.578			
	D7	.786	.203	-1.132	.498	.297			
	D9	-.140	.118	.128	.538	-.211			
Hidden Layer 1	(Bias)						.349	.898	.001
	H(1:1)						2.049	-1.610	-.229
	H(1:2)						.628	.919	-1.748
	H(1:3)						-1.915	1.661	-.584
	H(1:4)						.825	-.519	-1.229
	H(1:5)						.430	-.225	.504

Classification

		Predicted			
Sample	Observed	minor changes	noticeable changes	drastic changes	Percent Correct
Training	minor changes	3	0	0	100.0%
	noticeable changes	0	5	0	100.0%
	drastic changes	0	0	1	100.0%
	Overall Percent	33.3%	55.6%	11.1%	100.0%
Testing	minor changes	1	0	0	100.0%
	noticeable changes	0	0	0	0.0%
	drastic changes	0	0	0	0.0%
	Overall Percent	100.0%	0.0%	0.0%	100.0%

Dependent Variable: Changes in everyday life

Independent Variable Importance

	Importance	Normalized Importance
First discourse in text	.030	13.2%
Second discourse in text	.090	39.2%

Third discourse in text	.107	46.5%
CONTACT RESTRICTION	.108	47.0%
SANITATION AND HYGIENE	.091	39.6%
ISOLATION OF INFECTED	.068	29.7%
TOTAL ISOLATION	.038	16.6%
HEALTH CARE	.127	55.2%
VIRUS DISSEMINATION	.086	37.4%
LIFESTYLE CHANGES	.229	100.0%
BUREAUCRATIC RESPONSE	.027	11.7%