Task name: action rules

Task description: -

Date of output: 2.12.2017

Survey of antecedent attributes

Group Name Description

Default Partial Cedent Country (subset), 1 - 1 -

Survey of variable antecedent attributes

Group Name Description

Default Partial Cedent C3\_\_Group\_Grievance (subset), 1 - 1 -

Default Partial Cedent E1\_\_Economy (subset), 1 - 1 -

Default Partial Cedent P2\_\_Public\_Services (subset), 1 - 1 -

Default Partial Cedent S1\_\_Demographic\_Pressures (subset), 1 - 1 -

Default Partial Cedent T2\_\_Health (subset), 1 - 1 -

Default Partial Cedent T3\_\_Life\_Expectency (subset), 1 - 1 -

Default Partial Cedent T4\_\_IntrnationalTaxes (subset), 1 - 1 -

Default Partial Cedent T5\_\_FuelImports (subset), 1 - 1 -

Default Partial Cedent T6\_\_Fossil\_Fuel\_Energy (subset), 1 - 1 -

Survey of succedent attributes

Group Name Description

Survey of variable sukcedent attributes

Group Name Description

Default Partial Cedent Total\_Lable( Alert -> Warning) -

Survey of Action4ft-Quantifiers

a-frequency Before >= 15.00 Absolute number

a-frequency After >= 15.00 Absolute number

Task parameters

The comparison of the first set versus the second set

Sets must differ in all rows (i.e. not overlapping sets)

Nr. Hypothesis D%-Sum Df-Conf Df-AFUI Df-FUE Df-Avg R-Conf R-DFUI R-FUE R-Avg H-Conf H-DFUI H-FUE H-Avg B:a B:b B:c B:d B:r B:n B:Conf B:DConf B:EConf B:Supp B:Cmplt B:AvgDf B:Lift B:LBound B:UBound B:ELBound B:EUBound B:DLBound B:DUBound B:Fisher B:Chi-Sq B:bMean B:bVAR B:bStDev B:P(>=90%) B:P(>=95%) A:a A:b A:c A:d A:r A:n A:Conf A:DConf A:EConf A:Supp A:Cmplt A:AvgDf A:Lift A:LBound A:UBound A:ELBound A:EUBound A:DLBound A:DUBound A:Fisher A:Chi-Sq A:bMean A:bVAR A:bStDev A:P(>=90%) A:P(>=95%)

1 **(S1\_\_Demographic\_Pressures(very high) -> S1\_\_Demographic\_Pressures(lower)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))**

0.66 0.0678571429 0.257918552 0.3258426966 1.9630015756 1.1484375 2.6764705882 1.6444444444 -44.9836983268 1.1484375 2.6764705882 1.6444444444 -0.0222302753 21 19 11 127 40 178 0.525 0.4117647059 0.8314606742 0.1179775281 0.65625 1.9203125 2.9203125 0.9999999998 0.0000000016 0.9983712863 0.0031827506 1 0 0.000000004 41.7005561966 0.5238095238 0.5238095238 0.0761627857 0 0 16 19 69 74 35 178 0.4571428571 0.1538461538 0.5056179775 0.0898876404 0.1882352941 -0.0426890756 0.9573109244 1 0 1 0 1 0 0.6758635176 0.0725640457 0.4594594595 0.4594594595 0.0808436543 0 0

2 **(P2\_\_Public\_Services(very high) & S1\_\_Demographic\_Pressures(very high) -> P2\_\_Public\_Services(avg) & S1\_\_Demographic\_Pressures(avg)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))**

0.66 -0.0833333333 0.3095238095 0.297752809 2.137745098 0.8888888889 2.8571428571 1.5145631068 4.7465635739 1.125 2.8571428571 1.5145631068 4.7465635739 20 10 12 136 30 178 0.6666666667 0.4761904762 0.8764044944 0.1123595506 0.625 2.7083333333 3.7083333333 0.9999109221 0.0004543551 0.8779368165 0.176079924 1 0 0 58.0070652845 0.65625 0.65625 0.0826797285 0.0001256063 0.0000001623 15 5 70 88 20 178 0.75 0.1666666667 0.5786516854 0.0842696629 0.1764705882 0.5705882353 1.5705882353 0.9887468658 0.0431744953 1 0 1 0 0.0087601784 6.7046253373 0.7272727273 0.7272727273 0.0928643488 0.0144452889 0.0004415275

3 **(C3\_\_Group\_Grievance(very high) -> C3\_\_Group\_Grievance(higher)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))**

0.6 -0.1081081081 0.2354609929 0.2528089888 2.0233704293 0.8571428571 1.7904761905 1.4017857143 4.4603045133 1.1666666667 1.7904761905 1.4017857143 4.4603045133 24 13 8 133 37 178 0.6486486486 0.5333333333 0.8820224719 0.1348314607 0.75 2.6081081081 3.6081081081 0.9999935023 0.0000349143 0.823920076 0.2442029471 1 0 0 69.6387416271 0.641025641 0.641025641 0.0758471767 0.0000093395 0.0000000019 28 9 57 84 37 178 0.7567567568 0.2978723404 0.6292134831 0.1573033708 0.3294117647 0.5847376789 1.5847376789 0.9972541483 0.0092564857 1 0 1 0 0.0001148605 14.5969039329 0.7435897436 0.7435897436 0.0690405745 0.0033969272 0.0000126448

4 (T5\_\_FuelImports(very low) -> T5\_\_FuelImports(higher)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.59 -0.1240418118 0.1042311662 0.2415730337 1.0937569174 0.7588075881 1.5906432749 1.4574468085 15.2092874641 1.3178571429 1.5906432749 1.4574468085 15.2092874641 16 25 16 121 41 178 0.3902439024 0.2807017544 0.7696629213 0.0898876404 0.5 1.1707317073 2.1707317073 1 0 0.999999889 0.0000003112 1 0 0.0001859454 16.0027704547 0.3953488372 0.3953488372 0.0737082908 0 0 18 17 67 76 35 178 0.5142857143 0.1764705882 0.5280898876 0.1011235955 0.2117647059 0.0769747899 1.0769747899 0.9999999992 0.0000000076 1 0 1 0 0.3828161912 0.2359310013 0.5135135135 0.5135135135 0.0810810811 0.0000000015 0

5 **(T5\_\_FuelImports(very low) -> T5\_\_FuelImports(lower)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))**

0.61 -0.1269974769 0.1291866029 0.2415730337 1.0875674071 0.7544715447 1.8526315789 1.4574468085 14.0773349197 1.3254310345 1.8526315789 1.4574468085 14.0773349197 16 25 16 121 41 178 0.3902439024 0.2807017544 0.7696629213 0.0898876404 0.5 1.1707317073 2.1707317073 1 0 0.999999889 0.0000003112 1 0 0.0001859454 16.0027704547 0.3953488372 0.3953488372 0.0737082908 0 0 15 14 70 79 29 178 0.5172413793 0.1515151515 0.5280898876 0.0842696629 0.1764705882 0.0831643002 1.0831643002 0.9999999804 0.0000001793 1 0 1 0 0.3950372421 0.2189987237 0.5161290323 0.5161290323 0.088342348 0.0000000356 0

6 **(C3\_\_Group\_Grievance(very high) -> C3\_\_Group\_Grievance(avg)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))**

0.59 -0.1454689984 0.2398550725 0.2471910112 1.9451323296 0.8168168168 1.8172839506 1.389380531 3.9339417706 1.2242647059 1.8172839506 1.389380531 3.9339417706 24 13 8 133 37 178 0.6486486486 0.5333333333 0.8820224719 0.1348314607 0.75 2.6081081081 3.6081081081 0.9999935023 0.0000349143 0.823920076 0.2442029471 1 0 0 69.6387416271 0.641025641 0.641025641 0.0758471767 0.0000093395 0.0000000019 27 7 58 86 34 178 0.7941176471 0.2934782609 0.6348314607 0.1516853933 0.3176470588 0.6629757785 1.6629757785 0.9831379989 0.0481443266 1 0 1 0 0.0000326519 16.8837039517 0.7777777778 0.7777777778 0.0683471872 0.0199902701 0.0002721368

7 (T5\_\_FuelImports(very low) -> T5\_\_FuelImports(very high)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.6 -0.1773236651 0.0727809623 0.2191011236 0.9821784482 0.68757259 1.3500417711 1.3979591837 6.2090239789 1.4543918919 1.3500417711 1.3979591837 6.2090239789 16 25 16 121 41 178 0.3902439024 0.2807017544 0.7696629213 0.0898876404 0.5 1.1707317073 2.1707317073 1 0 0.999999889 0.0000003112 1 0 0.0001859454 16.0027704547 0.3953488372 0.3953488372 0.0737082908 0 0 21 16 64 77 37 178 0.5675675676 0.2079207921 0.5505617978 0.1179775281 0.2470588235 0.1885532591 1.1885532591 0.999999978 0.0000001629 1 0 1 0 0.1475474369 1.5177724941 0.5641025641 0.5641025641 0.0784045377 0.0000000361 0

8 **(S1\_\_Demographic\_Pressures(very high) -> S1\_\_Demographic\_Pressures(avg)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))**

0.6 -0.1892857143 0.1486068111 0.2247191011 1.4245141807 0.735 1.5647058824 1.3703703704 3.8731726695 1.3605442177 1.5647058824 1.3703703704 3.8731726695 21 19 11 127 40 178 0.525 0.4117647059 0.8314606742 0.1179775281 0.65625 1.9203125 2.9203125 0.9999999998 0.0000000016 0.9983712863 0.0031827506 1 0 0.000000004 41.7005561966 0.5238095238 0.5238095238 0.0761627857 0 0 25 10 60 83 35 178 0.7142857143 0.2631578947 0.606741573 0.1404494382 0.2941176471 0.4957983193 1.4957983193 0.9995757024 0.0017422104 1 0 1 0 0.0015237705 9.7880929949 0.7027027027 0.7027027027 0.0741463017 0.0005560917 0.0000009125

9 (E1\_\_Economy(very high) -> E1\_\_Economy(higher)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.59 -0.2097744361 0.0836413149 0.2134831461 1.1123523883 0.680778032 1.3527481542 1.3653846154 3.9573265016 1.468907563 1.3527481542 1.3653846154 3.9573265016 17 21 15 125 38 178 0.4473684211 0.320754717 0.797752809 0.095505618 0.53125 1.4884868421 2.4884868421 1 0 0.9999858571 0.0000339185 1 0 0.0000090266 23.4618733263 0.45 0.45 0.0776954655 0 0 23 12 62 81 35 178 0.6571428571 0.2371134021 0.5842696629 0.1292134831 0.2705882353 0.3761344538 1.3761344538 0.9999824656 0.0000914913 1 0 1 0 0.0142211816 5.6334470842 0.6486486486 0.6486486486 0.0774432864 0.0000249303 0.0000000095

10 (P2\_\_Public\_Services(very high) -> P2\_\_Public\_Services(higher)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.59 -0.2165413534 0.1234042553 0.2134831461 1.3720013268 0.7085020243 1.4461538462 1.3454545455 3.4692703856 1.4114285714 1.4461538462 1.3454545455 3.4692703856 20 18 12 128 38 178 0.5263157895 0.4 0.8314606742 0.1123595506 0.625 1.9276315789 2.9276315789 0.9999999995 0.0000000046 0.9983712863 0.0031827506 1 0 0.0000000132 39.3478267587 0.525 0.525 0.0779892113 0 0 26 9 59 84 35 178 0.7428571429 0.2765957447 0.6179775281 0.1460674157 0.3058823529 0.5556302521 1.5556302521 0.9982577896 0.0063042162 1 0 1 0 0.000397344 12.2930529812 0.7297297297 0.7297297297 0.0720424311 0.0021984193 0.0000074538

11 (P2\_\_Public\_Services(very high) -> P2\_\_Public\_Services(avg)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.59 -0.2165413534 0.1234042553 0.2134831461 1.3720013268 0.7085020243 1.4461538462 1.3454545455 3.4692703856 1.4114285714 1.4461538462 1.3454545455 3.4692703856 20 18 12 128 38 178 0.5263157895 0.4 0.8314606742 0.1123595506 0.625 1.9276315789 2.9276315789 0.9999999995 0.0000000046 0.9983712863 0.0031827506 1 0 0.0000000132 39.3478267587 0.525 0.525 0.0779892113 0 0 26 9 59 84 35 178 0.7428571429 0.2765957447 0.6179775281 0.1460674157 0.3058823529 0.5556302521 1.5556302521 0.9982577896 0.0063042162 1 0 1 0 0.000397344 12.2930529812 0.7297297297 0.7297297297 0.0720424311 0.0021984193 0.0000074538

12 (E1\_\_Economy(very high) -> E1\_\_Economy(avg)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.6 -0.2553342817 0.0499213836 0.191011236 1.0169447117 0.6366396761 1.1843251089 1.3148148148 3.1566359531 1.5707472178 1.1843251089 1.3148148148 3.1566359531 17 21 15 125 38 178 0.4473684211 0.320754717 0.797752809 0.095505618 0.53125 1.4884868421 2.4884868421 1 0 0.9999858571 0.0000339185 1 0 0.0000090266 23.4618733263 0.45 0.45 0.0776954655 0 0 26 11 59 82 37 178 0.7027027027 0.2708333333 0.606741573 0.1460674157 0.3058823529 0.4715421304 1.4715421304 0.9998320963 0.0007203211 1 0 1 0 0.0017740729 9.4924778709 0.6923076923 0.6923076923 0.0729756383 0.0002231468 0.0000001944

13 **(S1\_\_Demographic\_Pressures(very high) -> S1\_\_Demographic\_Pressures(higher)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))**

0.6 -0.2628787879 0.1291560102 0.202247191 1.2704016266 0.6663461538 1.4570135747 1.3214285714 2.9547320694 1.5007215007 1.4570135747 1.3214285714 2.9547320694 21 19 11 127 40 178 0.525 0.4117647059 0.8314606742 0.1179775281 0.65625 1.9203125 2.9203125 0.9999999998 0.0000000016 0.9983712863 0.0031827506 1 0 0.000000004 41.7005561966 0.5238095238 0.5238095238 0.0761627857 0 0 26 7 59 86 33 178 0.7878787879 0.2826086957 0.6292134831 0.1460674157 0.3058823529 0.6499108734 1.6499108734 0.9858982041 0.0417038478 1 0 1 0 0.0000643717 15.6390195748 0.7714285714 0.7714285714 0.0699854212 0.0168620332 0.000219529

14 (T4\_\_IntrnationalTaxes(lower) -> T4\_\_IntrnationalTaxes(very high)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.6 -0.354954955 -0.0024381749 0.0505617978 0.1815845257 0.4289855072 0.9895052474 1.0882352941 1.601773797 2.3310810811 1.0106060606 1.0882352941 1.601773797 20 55 12 91 75 178 0.2666666667 0.2298850575 0.6235955056 0.1123595506 0.625 0.4833333333 1.4833333333 1 0 1 0 1 0 0.0089588627 6.6364321497 0.2727272727 0.2727272727 0.0504272906 0 0 23 14 62 79 37 178 0.6216216216 0.2323232323 0.5730337079 0.1292134831 0.2705882353 0.3017488076 1.3017488076 0.9999989149 0.0000064977 1 0 1 0 0.0368321023 3.8871358257 0.6153846154 0.6153846154 0.0769230769 0.0000016264 0

15 (T4\_\_IntrnationalTaxes(lower) -> T4\_\_IntrnationalTaxes(higher)) >÷< (Total\_Lable(Alert) -> Total\_Lable(Warning))

0.59 -0.5047619048 -0.0604375232 -0.0056179775 -0.1321288515 0.3456790123 0.7918263091 0.9910714286 0.785317677 2.8928571429 1.2629032258 1.009009009 1.2733700377 20 55 12 91 75 178 0.2666666667 0.2298850575 0.6235955056 0.1123595506 0.625 0.4833333333 1.4833333333 1 0 1 0 1 0 0.0089588627 6.6364321497 0.2727272727 0.2727272727 0.0504272906 0 0 27 8 58 85 35 178 0.7714285714 0.2903225806 0.6292134831 0.1516853933 0.3176470588 0.6154621849 1.6154621849 0.9936957838 0.0199902336 1 0 1 0 0.0000878862 15.0831043214 0.7567567568 0.7567567568 0.0695996007 0.0076728385 0.0000534857

\*\*\* End of list \*\*\*