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| **Factor Analysis Results**  |

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| **The FACTOR Procedure** |

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| Input Data Type | Raw Data |
| --- | --- |
| Number of Records Read | 79 |
| Number of Records Used | 79 |
| N for Significance Tests | 79 |

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| **Factor Analysis Results**  |

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| **The FACTOR ProcedureInitial Factor Method: Principal Components** |

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| **Prior Communality Estimates: ONE** |

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| **Eigenvalues of the Correlation Matrix: Total= 10 Average = 1** |
| --- |
|  | **Eigenvalue** | **Difference** | **Proportion** | **Cumulative** |
| 1 | 5.97760675 | 3.61178000 | 0.5978 | 0.5978 |
| 2 | 2.36582675 | 1.52286884 | 0.2366 | 0.8343 |
| 3 | 0.84295791 | 0.47358130 | 0.0843 | 0.9186 |
| 4 | 0.36937660 | 0.08243436 | 0.0369 | 0.9556 |
| 5 | 0.28694224 | 0.21552075 | 0.0287 | 0.9843 |
| 6 | 0.07142149 | 0.03620423 | 0.0071 | 0.9914 |
| 7 | 0.03521727 | 0.00621303 | 0.0035 | 0.9949 |
| 8 | 0.02900424 | 0.01057603 | 0.0029 | 0.9978 |
| 9 | 0.01842821 | 0.01520967 | 0.0018 | 0.9997 |
| 10 | 0.00321854 |   | 0.0003 | 1.0000 |

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| **2 factors will be retained by the NFACTOR criterion.** |

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|

| **Factor Pattern** |
| --- |
|  | **Factor1** | **Factor2** |
| us\_m | -0.49859 | 0.81613 |
| sr\_m | 0.89421 | -0.25629 |
| us | -0.60095 | 0.73883 |
| sr | 0.86211 | -0.37058 |
| up | -0.77329 | 0.25313 |
| prvs\_m | 0.89944 | 0.22663 |
| prvs | 0.87879 | 0.37586 |
| prvr\_m | 0.72153 | 0.48174 |
| prvr | 0.69893 | 0.51687 |
| prvp | 0.79793 | 0.44153 |

 |
|

| **Variance Explained by EachFactor** |
| --- |
| **Factor1** | **Factor2** |
| 5.9776068 | 2.3658267 |

 |
|

| **Final Communality Estimates: Total = 8.343434** |
| --- |
| **us\_m** | **sr\_m** | **us** | **sr** | **up** | **prvs\_m** | **prvs** | **prvr\_m** | **prvr** | **prvp** |
| 0.91465833 | 0.86529087 | 0.90700279 | 0.88056166 | 0.66204946 | 0.86035004 | 0.91354998 | 0.75268384 | 0.75565294 | 0.83163359 |

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| Generated by the SAS System ('Local', X64\_8PRO) on 2018, decembra 11 at 9:51:20 AM  |

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| **Factor Analysis Results**  |

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| **The FACTOR ProcedureRotation Method: Varimax** |

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| **Orthogonal Transformation Matrix** |
| --- |
|  | **1** | **2** |
| 1 | 0.78540 | -0.61899 |
| 2 | 0.61899 | 0.78540 |

 |
|

| **Rotated Factor Pattern** |
| --- |
|  | **Factor1** | **Factor2** |
| us\_m | 0.11359 | 0.94961 |
| sr\_m | 0.54367 | -0.75480 |
| us | -0.01465 | 0.95225 |
| sr | 0.44771 | -0.82469 |
| up | -0.45065 | 0.67747 |
| prvs\_m | 0.84670 | -0.37875 |
| prvs | 0.92286 | -0.24876 |
| prvr\_m | 0.86488 | -0.06827 |
| prvr | 0.86887 | -0.02669 |
| prvp | 0.89999 | -0.14714 |

 |
|

| **Variance Explained by EachFactor** |
| --- |
| **Factor1** | **Factor2** |
| 4.5937404 | 3.7496931 |

 |
|

| **Final Communality Estimates: Total = 8.343434** |
| --- |
| **us\_m** | **sr\_m** | **us** | **sr** | **up** | **prvs\_m** | **prvs** | **prvr\_m** | **prvr** | **prvp** |
| 0.91465833 | 0.86529087 | 0.90700279 | 0.88056166 | 0.66204946 | 0.86035004 | 0.91354998 | 0.75268384 | 0.75565294 | 0.83163359 |

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| Generated by the SAS System ('Local', X64\_8PRO) on 2018, decembra 11 at 9:51:20 AM  |

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| **Factor Analysis Results**  |

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| **The FACTOR ProcedureRotation Method: Varimax** |

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| **Scoring Coefficients Estimated by Regression** |

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|

| **Squared Multiple Correlationsof the Variables with EachFactor** |
| --- |
| **Factor1** | **Factor2** |
| 1.0000000 | 1.0000000 |

 |
|

| **Standardized Scoring Coefficients** |
| --- |
|  | **Factor1** | **Factor2** |
| us\_m | 0.14802 | 0.32256 |
| sr\_m | 0.05043 | -0.17768 |
| us | 0.11435 | 0.30750 |
| sr | 0.01631 | -0.21230 |
| up | -0.03537 | 0.16411 |
| prvs\_m | 0.17747 | -0.01790 |
| prvs | 0.21381 | 0.03378 |
| prvr\_m | 0.22084 | 0.08521 |
| prvr | 0.22706 | 0.09921 |
| prvp | 0.22036 | 0.06395 |

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| **Cluster Analysis Results**  |

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| **The CLUSTER ProcedureWard's Minimum Variance Cluster Analysis** |

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| **Eigenvalues of the Covariance Matrix** |
| --- |
|  | **Eigenvalue** | **Difference** | **Proportion** | **Cumulative** |
| 1 | 1.00000000 | 0.00000000 | 0.5000 | 0.5000 |
| 2 | 1.00000000 |   | 0.5000 | 1.0000 |

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| Root-Mean-Square Total-Sample Standard Deviation | 1 |
| --- | --- |

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| Root-Mean-Square Distance Between Observations | 2 |
| --- | --- |

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| **Cluster History** |
| --- |
| **NumberofClusters** | **Clusters Joined** | **Freq** | **SemipartialR-Square** | **R-Square** | **ApproximateExpectedR-Square** | **CubicClusteringCriterion** | **Pseudo FStatistic** | **Pseudot-Squared** | **Tie** |
| 30 | CL38 | Rožňava | 4 | 0.0010 | .986 | . | . | 122 | 2.8 |   |
| 29 | CL44 | Stropkov | 4 | 0.0010 | .985 | . | . | 120 | 4.4 |   |
| 28 | Námestovo | Vranov nad Topľou | 2 | 0.0012 | .984 | . | . | 117 | . |   |
| 27 | CL35 | Michalovce | 4 | 0.0013 | .983 | . | . | 114 | 2.6 |   |
| 26 | CL39 | CL53 | 9 | 0.0014 | .981 | . | . | 112 | 8.7 |   |
| 25 | CL37 | CL32 | 4 | 0.0015 | .980 | . | . | 110 | 1.7 |   |
| 24 | CL45 | CL40 | 10 | 0.0016 | .978 | . | . | 108 | 11.3 |   |
| 23 | CL42 | CL47 | 8 | 0.0019 | .976 | . | . | 105 | 14.5 |   |
| 22 | CL62 | CL54 | 4 | 0.0020 | .974 | . | . | 104 | 21.5 |   |
| 21 | CL52 | CL30 | 7 | 0.0022 | .972 | . | . | 102 | 5.6 |   |
| 20 | Bratislava I | Bratislava IV | 2 | 0.0022 | .970 | . | . | 101 | . |   |
| 19 | CL61 | CL34 | 7 | 0.0025 | .968 | . | . | 99.7 | 9.3 |   |
| 18 | CL46 | Prešov | 3 | 0.0026 | .965 | . | . | 99.1 | 10.1 |   |
| 17 | CL21 | Veľký Krtíš | 8 | 0.0028 | .962 | . | . | 98.7 | 4.2 |   |
| 16 | CL31 | Košice I | 4 | 0.0028 | .959 | . | . | 99.2 | 4.7 |   |
| 15 | CL28 | CL36 | 4 | 0.0035 | .956 | .956 | -.07 | 99.0 | 3.6 |   |
| 14 | CL19 | CL41 | 10 | 0.0051 | .951 | .951 | -.14 | 96.5 | 9.4 |   |
| 13 | CL23 | CL26 | 17 | 0.0065 | .944 | .946 | -.31 | 93.2 | 19.0 |   |
| 12 | CL22 | CL18 | 7 | 0.0093 | .935 | .940 | -.72 | 87.5 | 9.3 |   |
| 11 | CL17 | CL33 | 13 | 0.0099 | .925 | .932 | -.95 | 84.0 | 13.3 |   |
| 10 | CL14 | CL27 | 14 | 0.0104 | .915 | .923 | -1.0 | 82.2 | 10.6 |   |
| 9 | CL15 | CL29 | 8 | 0.0117 | .903 | .912 | -.94 | 81.4 | 10.1 |   |
| 8 | CL24 | CL25 | 14 | 0.0128 | .890 | .898 | -.71 | 82.2 | 26.0 |   |
| 7 | CL8 | CL12 | 21 | 0.0253 | .865 | .879 | -1.2 | 76.8 | 14.5 |   |
| 6 | CL20 | CL16 | 6 | 0.0307 | .834 | .855 | -1.4 | 73.4 | 19.7 |   |
| 5 | CL13 | CL11 | 30 | 0.0391 | .795 | .821 | -1.5 | 71.7 | 37.0 |   |
| 4 | CL10 | CL9 | 22 | 0.0572 | .738 | .769 | -1.5 | 70.3 | 28.0 |   |
| 3 | CL6 | CL7 | 27 | 0.1114 | .626 | .683 | -2.3 | 63.7 | 29.2 |   |
| 2 | CL3 | CL5 | 57 | 0.2804 | .346 | .392 | -1.4 | 40.7 | 56.0 |   |
| 1 | CL2 | CL4 | 79 | 0.3460 | .000 | .000 | 0.00 | . | 40.7 |   |

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| **Cluster Analysis Tree Chart**  |

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| **The TREE ProcedureCluster tree data for WORK.FACTFACTORS** |

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| **okres** | **us\_m** | **sr\_m** | **us** | **sr** | **up** | **prvs\_m** | **prvs** | **prvr\_m** | **prvr** | **prvp** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pezinok | 0.5321584291 | 4.7309171316 | 0.5249570143 | 4.7052266994 | 1.1031440189 | 28.262698413 | 25.600083403 | 38.093093093 | 36.418918919 | 26.081804842 |
| Senec | 0.4955205351 | 3.7420893278 | 0.4924023493 | 3.6790755599 | 1.127596303 | 28.319064431 | 25.493618961 | 38.486027944 | 35.691616766 | 25.970411985 |
| Piešťany | 0.5218980935 | 3.710472462 | 0.5271301471 | 3.6947936578 | 1.0247053581 | 28.318726592 | 25.398141264 | 39.1875 | 37.092013889 | 25.630126183 |
| Trnava | 0.5107635467 | 3.9511061283 | 0.516177495 | 4.0137841344 | 1.030323887 | 28.019230769 | 25.454446855 | 38.380748246 | 36.213172253 | 25.802308538 |
| Ilava | 0.4681189315 | 3.9769642716 | 0.5145595388 | 4.0155888983 | 0.9841242821 | 27.746268657 | 25.226502311 | 39.02195122 | 36.9 | 25.432232841 |
| Myjava | 0.4637963949 | 4.1181385187 | 0.4922830634 | 4.3011842041 | 0.8908054994 | 28.457798165 | 25.196335079 | 38.87037037 | 36.749158249 | 25.609461967 |
| Nové Mesto nad Váhom | 0.4764290019 | 4.0496814599 | 0.5236378705 | 4.1648066017 | 1.0189368269 | 27.780944625 | 25.014660494 | 39.094896332 | 36.737639553 | 25.244391026 |
| Považská Bystrica | 0.5024037916 | 3.84225715 | 0.5123663938 | 3.9506795384 | 1.0911640077 | 27.706254654 | 25.029717682 | 38.52866242 | 36.662420382 | 25.13014763 |
| Púchov | 0.4955698991 | 3.1604708995 | 0.5359578005 | 3.283938162 | 1.1504488247 | 27.751298027 | 25.252988048 | 38.632596685 | 36.342541436 | 25.457219251 |
| Trenčín | 0.5445531398 | 3.9454361479 | 0.5422476269 | 3.9786124485 | 1.0808626406 | 28.07557677 | 25.439831528 | 39.138786765 | 36.885110294 | 25.977990033 |
| Dolný Kubín | 0.5116113811 | 3.3168253538 | 0.5628438433 | 3.3069030297 | 1.3247983414 | 27.296983759 | 25.225806452 | 38.566037736 | 36.493710692 | 25.123435722 |
| Liptovský Mikuláš | 0.4796722593 | 4.2137152175 | 0.5356407919 | 4.2664646919 | 1.0953962417 | 27.848484848 | 25.484924623 | 38.489650712 | 36.484476067 | 25.607769424 |
| Martin | 0.4424005365 | 5.4414284962 | 0.4646624963 | 5.4726492741 | 1.1237504136 | 27.862430939 | 25.422293676 | 38.984735666 | 36.829113924 | 25.481575311 |
| Ružomberok | 0.5102168442 | 4.2146628942 | 0.5448567283 | 4.3054533118 | 1.2601693194 | 27.704724409 | 24.95933385 | 38.15568369 | 36.094728171 | 25.30351682 |
| Žilina | 0.4982429418 | 3.7138597267 | 0.533847904 | 3.7465745701 | 1.1517623085 | 27.592688896 | 25.159959172 | 38.696812197 | 36.857588358 | 25.461637561 |
| Banská Bystrica | 0.4607226729 | 5.8762964836 | 0.4558648124 | 5.5289714091 | 0.9570364202 | 28.458233317 | 26.147748593 | 38.985347985 | 37.13003663 | 26.25862069 |
| Poprad | 0.5692022123 | 4.0119695392 | 0.5720899469 | 3.8629895638 | 1.3214904909 | 27.48946547 | 24.967552776 | 38.865612648 | 36.977272727 | 24.618895116 |
| Prešov | 0.5740921218 | 2.9152428875 | 0.611349653 | 2.8836197184 | 1.4446526858 | 27.383636364 | 25.068700397 | 39.059681698 | 36.945623342 | 24.88102981 |
| Košice II | 0.4240979694 | 4.7565247852 | 0.4391386832 | 4.4216838727 | 1.2765336951 | 28.543846154 | 25.782965075 | 40.032901834 | 38.187162891 | 25.40942029 |
| Košice III | 0.5570145754 | 5.4179185627 | 0.5517555254 | 4.8574008497 | 1.0367659764 | 27.729965157 | 25.661016949 | 40.330097087 | 38.623786408 | 25.202947846 |
| Košice IV | 0.5540926431 | 4.4716164009 | 0.5612270294 | 4.2295607389 | 1.1405552437 | 28.903485255 | 26.715925395 | 38.530206677 | 36.870429253 | 26.357752489 |

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| **okres** | **us\_m** | **sr\_m** | **us** | **sr** | **up** | **prvs\_m** | **prvs** | **prvr\_m** | **prvr** | **prvp** |
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| Bytča | 0.5755649749 | 2.6325517509 | 0.6146431957 | 2.7700505475 | 1.364114198 | 26.725721785 | 24.078125 | 37.373737374 | 35.156565657 | 24.335597826 |
| Čadca | 0.5584640544 | 2.549740766 | 0.6265067605 | 2.7461721529 | 1.3087779089 | 26.502643172 | 24.122618061 | 36.989326765 | 35.119047619 | 24.317242928 |
| Kysucké Nové Mesto | 0.5036846488 | 2.7776676011 | 0.5399663683 | 2.9211145562 | 1.2359544413 | 26.675202156 | 24.068627451 | 37.190376569 | 35.257322176 | 24.264779874 |
| Námestovo | 0.6220636319 | 0.9759464371 | 0.6591172731 | 1.0564797457 | 1.9650441705 | 25.916405761 | 23.503701419 | 35.7 | 34.048148148 | 23.681472081 |
| Tvrdošín | 0.5636682231 | 1.7410658366 | 0.6204191192 | 1.8063980198 | 1.5344613718 | 26.87870472 | 24.35026178 | 37.72147651 | 36.406040268 | 24.437578027 |
| Bardejov | 0.6128257778 | 2.1185919423 | 0.6315746248 | 2.1959667496 | 1.5078853787 | 26.802026693 | 24.269 | 38.208010336 | 35.965116279 | 24.270453208 |
| Humenné | 0.5305064578 | 3.5162785813 | 0.5871000008 | 3.5980865568 | 1.1801230712 | 26.998650472 | 24.42455243 | 37.974060823 | 36.251341682 | 24.401315789 |
| Kežmarok | 0.6806223642 | 2.52441469 | 0.7016893176 | 2.5359036943 | 1.9434851653 | 25.385373444 | 23.258709016 | 38.399728997 | 35.95799458 | 22.979535398 |
| Levoča | 0.5441321053 | 2.2439551677 | 0.5869928926 | 2.2948621175 | 1.607669779 | 26.727456258 | 24.127376426 | 36.88372093 | 34.697674419 | 23.575949367 |
| Medzilaborce | 0.5645012119 | 2.6064227718 | 0.5426176869 | 2.8624617191 | 1.3453167231 | 27.368794326 | 23.939215686 | 38.743589744 | 36.628205128 | 23.191304348 |
| Sabinov | 0.617792268 | 1.330823866 | 0.6342777613 | 1.4042800888 | 1.9253145252 | 26.3271777 | 23.894609537 | 37.196428571 | 35.601190476 | 23.075892857 |
| Snina | 0.5647890484 | 2.4899302439 | 0.5753107723 | 2.6055840636 | 1.1687960655 | 26.71360255 | 23.885360603 | 36.9875 | 35.320833333 | 24.050063371 |
| Stará Ľubovňa | 0.585888071 | 1.59388159 | 0.5896866872 | 1.6454158571 | 1.7920770711 | 26.181564246 | 23.725498008 | 38.795698925 | 36.768817204 | 23.530384272 |
| Stropkov | 0.5712921788 | 2.1766118553 | 0.6119633917 | 2.3159475364 | 1.2869690604 | 26.580769231 | 24.335564054 | 38.269911504 | 36.030973451 | 24.103139013 |
| Svidník | 0.5543025734 | 2.1402373661 | 0.5714585863 | 2.1514601666 | 1.2645955885 | 25.974554707 | 24.049693252 | 37.522988506 | 35.954022989 | 24.494366197 |
| Vranov nad Topľou | 0.6411142103 | 2.4297675067 | 0.6659414055 | 2.4725409178 | 1.6831041751 | 26.042563143 | 23.559252507 | 36.51594533 | 34.588838269 | 23.118997361 |
| Gelnica | 0.4887791665 | 2.6476842266 | 0.5026161494 | 2.8421785073 | 1.6879582545 | 26.957050243 | 24.096375618 | 37.489690722 | 35.345360825 | 22.992264416 |
| Košice-okolie | 0.5222645107 | 2.6980153804 | 0.519871127 | 2.8421181563 | 1.677677784 | 26.74853311 | 23.979013414 | 37.515536723 | 35.484463277 | 23.334252113 |
| Michalovce | 0.5094664448 | 4.2808996367 | 0.5417529616 | 4.239793617 | 1.4066381982 | 26.483014862 | 24.229947602 | 38.006272401 | 35.900537634 | 23.703051643 |
| Sobrance | 0.5410552994 | 2.2660771145 | 0.5282666767 | 2.4218346514 | 1.3011126507 | 27.04743083 | 23.794491525 | 37.54 | 34.852 | 23.32079646 |
| Spišská Nová Ves | 0.5225847135 | 3.1929410948 | 0.5549901673 | 3.2705879193 | 1.6894448926 | 27.016385768 | 24.666213768 | 38.363448276 | 36.268275862 | 23.404310345 |
| Trebišov | 0.4798475807 | 3.3911743595 | 0.515109548 | 3.4430854104 | 1.502379337 | 26.479277108 | 24.060216509 | 37.140142518 | 35.210213777 | 23.006038647 |

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| **okres** | **us\_m** | **sr\_m** | **us** | **sr** | **up** | **prvs\_m** | **prvs** | **prvr\_m** | **prvr** | **prvp** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Malacky | 0.4720586815 | 3.6271632214 | 0.4923596742 | 3.692437997 | 1.1285366517 | 27.873618276 | 25.229591837 | 37.544850498 | 35.49833887 | 25.093848085 |
| Dunajská Streda | 0.4388681994 | 4.5298466255 | 0.4378100787 | 4.4900021966 | 1.0401143855 | 27.389771135 | 24.783389181 | 37.169954476 | 35.155538695 | 24.60512334 |
| Galanta | 0.4657360435 | 3.8439950638 | 0.4968713682 | 3.9147561233 | 1.0327591818 | 27.511708356 | 24.789514867 | 37.617136659 | 35.651843818 | 24.774665345 |
| Hlohovec | 0.4591863442 | 3.6952250034 | 0.5053055857 | 3.8775015279 | 1.0807582144 | 27.514069264 | 24.661490683 | 36.909411765 | 35.269411765 | 25.072718154 |
| Senica | 0.4862949351 | 3.9512144185 | 0.5222560433 | 4.0308961874 | 1.0746464085 | 27.273323053 | 24.547232472 | 37.3 | 35.004132231 | 24.66133829 |
| Skalica | 0.4840025409 | 4.0681384278 | 0.5143810283 | 4.1694036689 | 1.0780326744 | 27.504056795 | 24.737911025 | 37.621900826 | 35.495867769 | 24.97826087 |
| Bánovce nad Bebravou | 0.4940580569 | 4.0150766448 | 0.5215266577 | 4.0234983135 | 1.081268869 | 27.414919852 | 25.020184544 | 37.355643045 | 35.494750656 | 25.081552306 |
| Partizánske | 0.4325916013 | 4.1145678354 | 0.4840161457 | 4.1576752235 | 0.9667530403 | 28.075757576 | 25.22528616 | 38.106995885 | 36.318930041 | 25.3 |
| Prievidza | 0.4449122985 | 4.660487409 | 0.4603489288 | 4.8049150086 | 0.9773854098 | 27.954372624 | 25.124336619 | 37.989721886 | 36.00362757 | 25.078890098 |
| Komárno | 0.417355452 | 5.3906157573 | 0.4284140147 | 5.4888268922 | 1.0297760776 | 27.716056034 | 24.991450634 | 37.526080988 | 35.33596431 | 24.555944056 |
| Levice | 0.4381879236 | 5.0886730435 | 0.453232966 | 5.1600026078 | 1.0610344559 | 27.812323612 | 24.769767442 | 38.202792553 | 36.118351064 | 24.525963149 |
| Nitra | 0.4833463902 | 4.390578566 | 0.4939080823 | 4.3684659957 | 1.0789514055 | 27.858462004 | 25.188821752 | 38.182100508 | 36.081592321 | 25.333100363 |
| Nové Zámky | 0.4294882433 | 4.6842158731 | 0.4701366492 | 4.7198665356 | 1.0231228217 | 27.873896353 | 25.030494406 | 37.700934579 | 35.832943925 | 24.815402606 |
| Šaľa | 0.4601389422 | 4.490285477 | 0.4804761592 | 4.5330746089 | 1.0768500304 | 27.478947368 | 24.915572233 | 37.226829268 | 35.030081301 | 24.630881095 |
| Topoľčany | 0.502058038 | 3.8386297958 | 0.5362484429 | 3.966173848 | 1.0259253564 | 27.794710327 | 25.125534514 | 37.362552595 | 35.492987377 | 25.163522013 |
| Zlaté Moravce | 0.4634045605 | 3.2794487025 | 0.4895532354 | 3.4371206193 | 1.0352412107 | 27.551186017 | 24.88238842 | 38.326589595 | 36.563583815 | 24.760391198 |
| Turčianske Teplice | 0.3748501862 | 4.3295639247 | 0.4011627284 | 4.7129646087 | 1.039647512 | 27.7 | 24.550980392 | 38.094444444 | 35.688888889 | 24.465034965 |
| Banská Štiavnica | 0.4135239557 | 4.6424714516 | 0.4318443882 | 4.6808275724 | 1.1191334836 | 28.079310345 | 25.06187291 | 37.551813472 | 35.189119171 | 24.508086253 |
| Brezno | 0.4378896209 | 3.8552834103 | 0.4519488723 | 3.9937477408 | 1.1709281743 | 27.606364429 | 24.797890295 | 38.3864 | 35.9336 | 24.313257882 |
| Detva | 0.473317744 | 3.4276778315 | 0.4592528385 | 3.6740969109 | 1.0914388571 | 27.982706767 | 25.244715447 | 37.482817869 | 35.530927835 | 24.758164852 |
| Krupina | 0.4525303243 | 4.0008335844 | 0.505285961 | 4.2019161695 | 1.3471676051 | 27.362559242 | 24.508888889 | 38.674311927 | 36.967889908 | 23.91723356 |
| Lučenec | 0.4458094848 | 5.7728623495 | 0.4670462242 | 5.6854827829 | 1.2934079245 | 27.458301744 | 24.462962963 | 37.856367226 | 35.759624877 | 23.637175793 |
| Poltár | 0.3807767606 | 4.2061406783 | 0.3860258884 | 4.3086339815 | 1.0943596121 | 26.661643836 | 24.124657534 | 38.550847458 | 36 | 23.662689805 |
| Revúca | 0.4357782584 | 4.0527358007 | 0.4570849875 | 4.1053325133 | 1.4706445985 | 26.740641711 | 24.015436242 | 39.155086849 | 37.115384615 | 23 |
| Rimavská Sobota | 0.4506262652 | 4.9751727553 | 0.4806474408 | 4.9560380381 | 1.4731921195 | 26.777246654 | 24.308118081 | 38.377406282 | 36.237588652 | 22.991612302 |
| Veľký Krtíš | 0.3944391291 | 3.9772433988 | 0.4387253302 | 4.0343834878 | 1.1153090585 | 26.465753425 | 23.83919598 | 37.186666667 | 35.691111111 | 23.452488688 |
| Zvolen | 0.4349598426 | 5.3764234725 | 0.4687997262 | 5.3170427732 | 1.0687812164 | 27.866556837 | 25.395849648 | 37.614285714 | 35.758241758 | 25.55267008 |
| Žarnovica | 0.4425366779 | 3.8245778499 | 0.465999149 | 4.0493609985 | 1.1327392835 | 28.13562753 | 24.785714286 | 37.570038911 | 35.083657588 | 24.520715631 |
| Žiar nad Hronom | 0.4083717458 | 5.2700000375 | 0.4131836288 | 5.4178367802 | 1.1012669539 | 27.984394507 | 25.058974359 | 38.22 | 36.188 | 24.899792316 |
| Rožňava | 0.3534476114 | 5.7053836113 | 0.3803119608 | 5.8359920929 | 1.3652271104 | 27.206666667 | 24.490466102 | 38.38042204 | 36.291324736 | 23.071428571 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bratislava I | 0.5447001552 | 5.3664086011 | 0.5545266944 | 4.9296777752 | 1.087025525 | 30.352838934 | 28.110132159 | 42.08302583 | 40.016605166 | 29.08477842 |
| Bratislava II | 0.4782632326 | 5.6150837173 | 0.4656758153 | 5.0524374587 | 1.0727736305 | 29.804043934 | 27.740933929 | 40.202274294 | 37.983115093 | 27.84804108 |
| Bratislava III | 0.5118502 | 5.2590184919 | 0.4855558253 | 4.9153335294 | 1.0223725629 | 29.782430213 | 27.555508113 | 39.90052356 | 37.759162304 | 28.020586183 |
| Bratislava IV | 0.6316037159 | 5.7608987743 | 0.6146161175 | 5.256604459 | 1.0232134297 | 30.267383059 | 27.792415607 | 39.965065502 | 37.942503639 | 28.143551237 |
| Bratislava V | 0.4687706537 | 6.4550825267 | 0.4575495077 | 5.65185063 | 0.911268753 | 28.28757764 | 26.149379932 | 41.551751176 | 39.74673288 | 26.068874869 |
| Košice I | 0.4769813732 | 5.0704808134 | 0.4743968232 | 4.6781207491 | 1.2014887386 | 29.150524617 | 26.571020408 | 39.522248244 | 37.405152225 | 26.901079137 |

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| **Summary Statistics**  |
| **Results**  |

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| **The MEANS Procedure** |

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|

| **CLUSTER** | **N Obs** | **Variable** | **Mean** | **Std Dev** | **Minimum** | **Maximum** | **N** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 21 |

|  |
| --- |
| us\_m |
| sr\_m |
| us |
| sr |
| up |
| prvs\_m |
| prvs |
| prvr\_m |
| prvr |
| prvp |

 |

|  |
| --- |
| 0.5044085 |
| 4.1703616 |
| 0.5245237 |
| 4.1271410 |
| 1.1254773 |
| 27.9643717 |
| 25.4144073 |
| 38.8634000 |
| 36.8184057 |
| 25.5258426 |

 |

|  |
| --- |
| 0.0411503 |
| 0.7432282 |
| 0.0402561 |
| 0.6493866 |
| 0.1358229 |
| 0.4211064 |
| 0.4195230 |
| 0.5407641 |
| 0.6387507 |
| 0.4395497 |

 |

|  |
| --- |
| 0.4240980 |
| 2.9152429 |
| 0.4391387 |
| 2.8836197 |
| 0.8908055 |
| 27.2969838 |
| 24.9593338 |
| 38.0930931 |
| 35.6916168 |
| 24.6188951 |

 |

|  |
| --- |
| 0.5740921 |
| 5.8762965 |
| 0.6113497 |
| 5.5289714 |
| 1.4446527 |
| 28.9034853 |
| 26.7159254 |
| 40.3300971 |
| 38.6237864 |
| 26.3577525 |

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| 2 | 22 |

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| us\_m |
| sr\_m |
| us |
| sr |
| up |
| prvs\_m |
| prvs |
| prvr\_m |
| prvr |
| prvp |

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|  |
| --- |
| 0.5616004 |
| 2.4693036 |
| 0.5873578 |
| 2.5655601 |
| 1.5172227 |
| 26.5696774 |
| 24.0190193 |
| 37.5694360 |
| 35.5824083 |
| 23.7085812 |

 |

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| --- |
| 0.0505744 |
| 0.7309380 |
| 0.0537873 |
| 0.7271154 |
| 0.2518076 |
| 0.4553452 |
| 0.3214669 |
| 0.7478866 |
| 0.6989025 |
| 0.5467040 |

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|  |
| --- |
| 0.4798476 |
| 0.9759464 |
| 0.5026161 |
| 1.0564797 |
| 1.1687961 |
| 25.3853734 |
| 23.2587090 |
| 35.7000000 |
| 34.0481481 |
| 22.9795354 |

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| --- |
| 0.6806224 |
| 4.2808996 |
| 0.7016893 |
| 4.2397936 |
| 1.9650442 |
| 27.3687943 |
| 24.6662138 |
| 38.7956989 |
| 36.7688172 |
| 24.4943662 |

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| 22 |

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| 3 | 30 |

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| us\_m |
| sr\_m |
| us |
| sr |
| up |
| prvs\_m |
| prvs |
| prvr\_m |
| prvr |
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| --- |
| 0.4423515 |
| 4.3694844 |
| 0.4664721 |
| 4.4602758 |
| 1.1224800 |
| 27.5541651 |
| 24.7889563 |
| 37.8414801 |
| 35.7927768 |
| 24.5060651 |

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| --- |
| 0.0356093 |
| 0.6664261 |
| 0.0397094 |
| 0.6330568 |
| 0.1323966 |
| 0.4368464 |
| 0.3829239 |
| 0.5287377 |
| 0.5358524 |
| 0.7065299 |

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|  |
| --- |
| 0.3534476 |
| 3.2794487 |
| 0.3803120 |
| 3.4371206 |
| 0.9667530 |
| 26.4657534 |
| 23.8391960 |
| 36.9094118 |
| 35.0041322 |
| 22.9916123 |

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| --- |
| 0.5020580 |
| 5.7728623 |
| 0.5362484 |
| 5.8359921 |
| 1.4731921 |
| 28.1356275 |
| 25.3958496 |
| 39.1550868 |
| 37.1153846 |
| 25.5526701 |

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| prvs |
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| prvr |
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| --- |
| 0.5186949 |
| 5.5878288 |
| 0.5087201 |
| 5.0806708 |
| 1.0530238 |
| 29.6074664 |
| 27.3198984 |
| 40.5374814 |
| 38.4755452 |
| 27.6778185 |

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| --- |
| 0.0621911 |
| 0.4914503 |
| 0.0624470 |
| 0.3376916 |
| 0.0954051 |
| 0.7760448 |
| 0.7760743 |
| 1.0289692 |
| 1.1114270 |
| 1.0521342 |

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| --- |
| 0.4687707 |
| 5.0704808 |
| 0.4575495 |
| 4.6781207 |
| 0.9112688 |
| 28.2875776 |
| 26.1493799 |
| 39.5222482 |
| 37.4051522 |
| 26.0688749 |

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| --- |
| 0.6316037 |
| 6.4550825 |
| 0.6146161 |
| 5.6518506 |
| 1.2014887 |
| 30.3528389 |
| 28.1101322 |
| 42.0830258 |
| 40.0166052 |
| 29.0847784 |

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| Generated by the SAS System ('Local', X64\_8PRO) on 2018, decembra 11 at 11:54:18 AM  |

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**Diskrimninačná analýza zaradenie nových podnikov (priklad podniky\_DA)**

Ste nastavení vo výstupe DA a vyberiate moznosti Modify/classify new data

Musite mat predtým importovaný subor s novými datami – t.j. suboro podniky\_DA ale harok 2 (nove) – tam sa nachadzaju data za dva nove podniky, ktore maju byt klasifikovane do existujucich skupin.



Výstup sa nachadáza uplne na konci, vidite z nech ze jeden podnik je v skupine 0 a jeden je v skupine 1

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| **Discriminant Analysis Results**  |

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| **The DISCRIM ProcedureClassification Summary for Test Data: WORK.PODNIKY\_DA\_0000Classification Summary using Linear Discriminant Function** |

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| --- | --- | --- | --- | --- | --- |
|

| **Observation Profile for Test Data** |
| --- |
| Number of Observations Read | 2 |
| Number of Observations Used | 2 |

 |
|

| **Number of Observations and PercentClassified into SKUPINA** |
| --- |
|  | **0** | **1** | **Total** |
| Total |

|  |
| --- |
| 1 |
| 50.00 |

 |

|  |
| --- |
| 1 |
| 50.00 |

 |

|  |
| --- |
| 2 |
| 100.00 |

 |
| Priors |

|  |
| --- |
| 0.5 |
|   |

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|  |
| --- |
| 0.5 |
|   |

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