**Geographical differentiation YEAR 2008**

1. **All 5 countries (1-AT (Austria), 2-RO (Romania), 3-SI (Slovenia), 4-ME (Montenegro), 5-AR (Argentina))**

**84.1% initial classification, 79.5% cross-validation**



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| **Classification Resultsa,c** |
|  |  | 1-AT.2-RO,3-SI,4-ME,5-AR | Predicted Group Membership | Total |
|  |  | 1 | 2 | 3 | 4 | 5 |
| Original | Count | 1 | 46 | 1 | 1 | 0 | 2 | 50 |
| 2 | 0 | 8 | 0 | 0 | 1 | 9 |
| 3 | 2 | 0 | 12 | 0 | 6 | 20 |
| 4 | 0 | 0 | 0 | 3 | 0 | 3 |
| 5 | 0 | 0 | 0 | 1 | 5 | 6 |
| % | 1 | 92.0 | 2.0 | 2.0 | .0 | 4.0 | 100.0 |
| 2 | .0 | 88.9 | .0 | .0 | 11.1 | 100.0 |
| 3 | 10.0 | .0 | 60.0 | .0 | 30.0 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | .0 | 100.0 |
| 5 | .0 | .0 | .0 | 16.7 | 83.3 | 100.0 |
| Cross-validatedb | Count | 1 | 45 | 1 | 2 | 0 | 2 | 50 |
| 2 | 0 | 8 | 0 | 0 | 1 | 9 |
| 3 | 2 | 0 | 11 | 0 | 7 | 20 |
| 4 | 0 | 0 | 0 | 3 | 0 | 3 |
| 5 | 2 | 0 | 0 | 1 | 3 | 6 |
| % | 1 | 90.0 | 2.0 | 4.0 | .0 | 4.0 | 100.0 |
| 2 | .0 | 88.9 | .0 | .0 | 11.1 | 100.0 |
| 3 | 10.0 | .0 | 55.0 | .0 | 35.0 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | .0 | 100.0 |
| 5 | 33.3 | .0 | .0 | 16.7 | 50.0 | 100.0 |
| a. 84.1% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that casec. 79.5% of cross-validated grouped cases correctly classified. |
| 1. **4 Countries (without AR)**

**89% initial classification, 87.8% cross-validation**

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| **Classification Resultsa,c** |
|  |  | 1-AT.2-RO,3-SI,4-ME | Predicted Group Membership | Total |
|  |  | 1 | 2 | 3 | 4 |
| Original | Count | 1 | 45 | 3 | 2 | 0 | 50 |
| 2 | 0 | 8 | 1 | 0 | 9 |
| 3 | 2 | 0 | 17 | 1 | 20 |
| 4 | 0 | 0 | 0 | 3 | 3 |
| % | 1 | 90.0 | 6.0 | 4.0 | .0 | 100.0 |
| 2 | .0 | 88.9 | 11.1 | .0 | 100.0 |
| 3 | 10.0 | .0 | 85.0 | 5.0 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | 100.0 |
| Cross-validatedb | Count | 1 | 45 | 3 | 2 | 0 | 50 |
| 2 | 0 | 8 | 1 | 0 | 9 |
| 3 | 2 | 1 | 16 | 1 | 20 |
| 4 | 0 | 0 | 0 | 3 | 3 |
| % | 1 | 90.0 | 6.0 | 4.0 | .0 | 100.0 |
| 2 | .0 | 88.9 | 11.1 | .0 | 100.0 |
| 3 | 10.0 | 5.0 | 80.0 | 5.0 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | 100.0 |
| a. 89.0% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 87.8% of cross-validated grouped cases correctly classified.1. **3 Countries (without AR and ME)**

**89.9% initial classification, 88.6% cross-validation**

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| **Classification Resultsa,c** |
|  |  | 1-AT.2-RO,3-SI | Predicted Group Membership | Total |
|  |  | 1 | 2 | 3 |
| Original | Count | 1 | 45 | 3 | 2 | 50 |
| 2 | 0 | 8 | 1 | 9 |
| 3 | 2 | 0 | 18 | 20 |
| % | 1 | 90.0 | 6.0 | 4.0 | 100.0 |
| 2 | .0 | 88.9 | 11.1 | 100.0 |
| 3 | 10.0 | .0 | 90.0 | 100.0 |
| Cross-validatedb | Count | 1 | 45 | 3 | 2 | 50 |
| 2 | 0 | 8 | 1 | 9 |
| 3 | 2 | 1 | 17 | 20 |
| % | 1 | 90.0 | 6.0 | 4.0 | 100.0 |
| 2 | .0 | 88.9 | 11.1 | 100.0 |
| 3 | 10.0 | 5.0 | 85.0 | 100.0 |
| a. 89.9% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 88.6% of cross-validated grouped cases correctly classified. |

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**Geographical differentiation Year 2009**

1. **All 5 countries (1-AT, 2-RO, 3-SI, 4-ME, 5-AR)**

**56.4 % initial classification, 54.3% cross-validation**



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| **Classification Resultsa,c** |
|  |  | 1-AT,2-RO,3-Si,4-ME,5-AR | Predicted Group Membership | Total |
|  |  | 1 | 2 | 3 | 4 | 5 |
| Original | Count | 1 | 34 | 1 | 8 | 0 | 7 | 50 |
| 2 | 0 | 7 | 3 | 2 | 2 | 14 |
| 3 | 7 | 5 | 5 | 2 | 3 | 22 |
| 4 | 0 | 0 | 0 | 3 | 0 | 3 |
| 5 | 0 | 1 | 0 | 0 | 4 | 5 |
| % | 1 | 68.0 | 2.0 | 16.0 | .0 | 14.0 | 100.0 |
| 2 | .0 | 50.0 | 21.4 | 14.3 | 14.3 | 100.0 |
| 3 | 31.8 | 22.7 | 22.7 | 9.1 | 13.6 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | .0 | 100.0 |
| 5 | .0 | 20.0 | .0 | .0 | 80.0 | 100.0 |
| Cross-validatedb | Count | 1 | 34 | 1 | 8 | 0 | 7 | 50 |
| 2 | 0 | 6 | 3 | 2 | 3 | 14 |
| 3 | 7 | 5 | 5 | 2 | 3 | 22 |
| 4 | 0 | 0 | 0 | 3 | 0 | 3 |
| 5 | 1 | 1 | 0 | 0 | 3 | 5 |
| % | 1 | 68.0 | 2.0 | 16.0 | .0 | 14.0 | 100.0 |
| 2 | .0 | 42.9 | 21.4 | 14.3 | 21.4 | 100.0 |
| 3 | 31.8 | 22.7 | 22.7 | 9.1 | 13.6 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | .0 | 100.0 |
| 5 | 20.0 | 20.0 | .0 | .0 | 60.0 | 100.0 |
| a. 56.4% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 54.3% of cross-validated grouped cases correctly classified. |

1. **4 Countries (without AR)**

**60.7% initial classification, 59.6% cross-validation**



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| **Classification Resultsa,c** |
|  |  | 1-AT,2-RO,3-Si,4-ME | Predicted Group Membership | Total |
|  |  | 1 | 2 | 3 | 4 |
| Original | Count | 1 | 38 | 3 | 9 | 0 | 50 |
| 2 | 1 | 8 | 3 | 2 | 14 |
| 3 | 10 | 5 | 5 | 2 | 22 |
| 4 | 0 | 0 | 0 | 3 | 3 |
| % | 1 | 76.0 | 6.0 | 18.0 | .0 | 100.0 |
| 2 | 7.1 | 57.1 | 21.4 | 14.3 | 100.0 |
| 3 | 45.5 | 22.7 | 22.7 | 9.1 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | 100.0 |
| Cross-validatedb | Count | 1 | 38 | 3 | 9 | 0 | 50 |
| 2 | 2 | 7 | 3 | 2 | 14 |
| 3 | 10 | 5 | 5 | 2 | 22 |
| 4 | 0 | 0 | 0 | 3 | 3 |
| % | 1 | 76.0 | 6.0 | 18.0 | .0 | 100.0 |
| 2 | 14.3 | 50.0 | 21.4 | 14.3 | 100.0 |
| 3 | 45.5 | 22.7 | 22.7 | 9.1 | 100.0 |
| 4 | .0 | .0 | .0 | 100.0 | 100.0 |
| a. 60.7% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 59.6% of cross-validated grouped cases correctly classified. |

1. **3 Countries (without AR and ME)**

**62.8% initial classification, 62.8% cross-validation**

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| **Classification Resultsa,c** |
|  |  | 1-AT,2-RO,3-Si,4-ME | Predicted Group Membership | Total |
|  |  | 1 | 2 | 3 |
| Original | Count | 1 | 40 | 2 | 8 | 50 |
| 2 | 0 | 9 | 5 | 14 |
| 3 | 10 | 7 | 5 | 22 |
| % | 1 | 80.0 | 4.0 | 16.0 | 100.0 |
| 2 | .0 | 64.3 | 35.7 | 100.0 |
| 3 | 45.5 | 31.8 | 22.7 | 100.0 |
| Cross-validatedb | Count | 1 | 40 | 2 | 8 | 50 |
| 2 | 0 | 9 | 5 | 14 |
| 3 | 10 | 7 | 5 | 22 |
| % | 1 | 80.0 | 4.0 | 16.0 | 100.0 |
| 2 | .0 | 64.3 | 35.7 | 100.0 |
| 3 | 45.5 | 31.8 | 22.7 | 100.0 |
| a. 62.8% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 62.8% of cross-validated grouped cases correctly classified. |

**Geographical differentiation - years 2008+2009**

1. **All 5 countries (1-AT, 2-RO, 3-SI, 4-ME, 5-AR)**

**67.0 % initial classification, 65.4% cross-validation**



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| **Classification Resultsa,c** |
|  |  | 1-AT,2-RO,3-Si,4-ME,5-AR | Predicted Group Membership | Total |
|  |  | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| Original | Count | 1.00 | 75 | 2 | 16 | 0 | 7 | 100 |
| 2.00 | 0 | 14 | 2 | 3 | 4 | 23 |
| 3.00 | 9 | 7 | 19 | 2 | 5 | 42 |
| 4.00 | 0 | 0 | 0 | 6 | 0 | 6 |
| 5.00 | 1 | 1 | 0 | 1 | 8 | 11 |
| % | 1.00 | 75.0 | 2.0 | 16.0 | .0 | 7.0 | 100.0 |
| 2.00 | .0 | 60.9 | 8.7 | 13.0 | 17.4 | 100.0 |
| 3.00 | 21.4 | 16.7 | 45.2 | 4.8 | 11.9 | 100.0 |
| 4.00 | .0 | .0 | .0 | 100.0 | .0 | 100.0 |
| 5.00 | 9.1 | 9.1 | .0 | 9.1 | 72.7 | 100.0 |
| Cross-validatedb | Count | 1.00 | 75 | 2 | 16 | 0 | 7 | 100 |
| 2.00 | 0 | 14 | 2 | 3 | 4 | 23 |
| 3.00 | 10 | 7 | 17 | 2 | 6 | 42 |
| 4.00 | 0 | 0 | 0 | 6 | 0 | 6 |
| 5.00 | 2 | 1 | 0 | 1 | 7 | 11 |
| % | 1.00 | 75.0 | 2.0 | 16.0 | .0 | 7.0 | 100.0 |
| 2.00 | .0 | 60.9 | 8.7 | 13.0 | 17.4 | 100.0 |
| 3.00 | 23.8 | 16.7 | 40.5 | 4.8 | 14.3 | 100.0 |
| 4.00 | .0 | .0 | .0 | 100.0 | .0 | 100.0 |
| 5.00 | 18.2 | 9.1 | .0 | 9.1 | 63.6 | 100.0 |
| a. 67.0% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 65.4% of cross-validated grouped cases correctly classified. |

**Vintage differentiation 2008 vs 2009**

1. **All samples**

**63.7 % initial classification, 63.2% cross-validation**

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| **Classification Resultsa,c** |
|  |  | 1-2008,2-2009 | Predicted Group Membership | Total |
|  |  | 1.00 | 2.00 |
| Original | Count | 1.00 | 54 | 40 | 94 |
| 2.00 | 26 | 62 | 88 |
| % | 1.00 | 57.4 | 42.6 | 100.0 |
| 2.00 | 29.5 | 70.5 | 100.0 |
| Cross-validatedb | Count | 1.00 | 53 | 41 | 94 |
| 2.00 | 26 | 62 | 88 |
| % | 1.00 | 56.4 | 43.6 | 100.0 |
| 2.00 | 29.5 | 70.5 | 100.0 |
| a. 63.7% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 63.2% of cross-validated grouped cases correctly classified. |

1. Austrian samples

**68.5 % initial classification, 68.5% cross-validation**

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| **Classification Resultsa,c** |
|  |  | 1-2008,2-2009 | Predicted Group Membership | Total |
|  |  | 1.00 | 2.00 |
| Original | Count | 1.00 | 57 | 29 | 86 |
| 2.00 | 23 | 56 | 79 |
| % | 1.00 | 66.3 | 33.7 | 100.0 |
| 2.00 | 29.1 | 70.9 | 100.0 |
| Cross-validatedb | Count | 1.00 | 57 | 29 | 86 |
| 2.00 | 23 | 56 | 79 |
| % | 1.00 | 66.3 | 33.7 | 100.0 |
| 2.00 | 29.1 | 70.9 | 100.0 |
| a. 68.5% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 68.5% of cross-validated grouped cases correctly classified. |

3.Slovenian samples

**80 % initial classification, 79% cross-validation**

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| **Classification Resultsa,c** |
|  |  | 1-2008,2-2009 | Predicted Group Membership | Total |
|  |  | 1.00 | 2.00 |
| Original | Count | 1.00 | 39 | 11 | 50 |
| 2.00 | 9 | 41 | 50 |
| % | 1.00 | 78.0 | 22.0 | 100.0 |
| 2.00 | 18.0 | 82.0 | 100.0 |
| Cross-validatedb | Count | 1.00 | 39 | 11 | 50 |
| 2.00 | 10 | 40 | 50 |
| % | 1.00 | 78.0 | 22.0 | 100.0 |
| 2.00 | 20.0 | 80.0 | 100.0 |
| a. 80.0% of original grouped cases correctly classified. |
| b. Cross validation is done only for those cases in the analysis. In cross validation, each case is classified by the functions derived from all cases other than that case. |
| c. 79.0% of cross-validated grouped cases correctly classified. |