**Window size:200**

**Step size: 80**

**Mount windows: 9**

**Columns used: ["Kidhome","Income","Year\_Birth"**

**,"Education","Marital\_Status","Response"]**

**Row: 0.5**

**Min Confidence: 0.5**

**min support: 0.1**

**sensitive items: ["Income", "Marital\_Status", "Education"]**

BEFORE:

NUM RULES: 32

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.506, supp: 0.200, lift: 0.866, conv: 0.841)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.705, supp: 0.155, lift: 0.870, conv: 0.643)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.714, supp: 0.125, lift: 0.882, conv: 0.665)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.733, supp: 0.110, lift: 0.905, conv: 0.712)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.741, supp: 0.200, lift: 0.914, conv: 0.733)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.743, supp: 0.130, lift: 0.917, conv: 0.739)

{Response: 0} -> {Kidhome: 0} (conf: 0.537, supp: 0.435, lift: 0.918, conv: 0.896)

{Kidhome: 0} -> {Response: 0} (conf: 0.744, supp: 0.435, lift: 0.918, conv: 0.741)

{Education: PhD} -> {Response: 0} (conf: 0.750, supp: 0.195, lift: 0.926, conv: 0.760)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.542, supp: 0.130, lift: 0.926, conv: 0.905)

{Education: Master} -> {Response: 0} (conf: 0.778, supp: 0.105, lift: 0.960, conv: 0.855)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.562, supp: 0.270, lift: 0.962, conv: 0.949)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.808, supp: 0.105, lift: 0.997, conv: 0.988)

{Education: Graduation} -> {Response: 0} (conf: 0.823, supp: 0.395, lift: 1.016, conv: 1.073)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.824, supp: 0.140, lift: 1.017, conv: 1.077)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.828, supp: 0.240, lift: 1.022, conv: 1.102)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.603, supp: 0.175, lift: 1.032, conv: 1.047)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.614, supp: 0.135, lift: 1.049, conv: 1.074)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.519, supp: 0.205, lift: 1.081, conv: 1.081)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.884, supp: 0.305, lift: 1.091, conv: 1.639)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.641, supp: 0.125, lift: 1.096, conv: 1.156)

{Kidhome: 1} -> {Response: 0} (conf: 0.899, supp: 0.355, lift: 1.110, conv: 1.876)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.535, supp: 0.190, lift: 1.115, conv: 1.119)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.923, supp: 0.120, lift: 1.140, conv: 2.470)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.927, supp: 0.190, lift: 1.144, conv: 2.597)

{Education: PhD} -> {Kidhome: 0} (conf: 0.673, supp: 0.175, lift: 1.151, conv: 1.269)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.938, supp: 0.150, lift: 1.157, conv: 3.040)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.178, conv: 4.180)

{Marital\_Status: Single} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.110, lift: 1.266, conv: 1.210)

{Response: 1} -> {Kidhome: 0} (conf: 0.789, supp: 0.150, lift: 1.350, conv: 1.971)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.682, supp: 0.150, lift: 1.420, conv: 1.634)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.710, supp: 0.110, lift: 1.478, conv: 1.791)

loss 1: 634 loss 2 : 1526

AFTER SUPPRESSION:

NUM RULES: 14

{Marital\_Status: Single} -> {Response: 0} (conf: 0.705, supp: 0.155, lift: 0.870, conv: 0.643)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.743, supp: 0.130, lift: 0.917, conv: 0.739)

{Response: 0} -> {Kidhome: 0} (conf: 0.537, supp: 0.435, lift: 0.918, conv: 0.896)

{Kidhome: 0} -> {Response: 0} (conf: 0.744, supp: 0.435, lift: 0.918, conv: 0.741)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.542, supp: 0.130, lift: 0.926, conv: 0.905)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.824, supp: 0.140, lift: 1.017, conv: 1.077)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.828, supp: 0.240, lift: 1.022, conv: 1.102)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.603, supp: 0.175, lift: 1.032, conv: 1.047)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.614, supp: 0.135, lift: 1.049, conv: 1.074)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.884, supp: 0.305, lift: 1.091, conv: 1.639)

{Kidhome: 1} -> {Response: 0} (conf: 0.899, supp: 0.355, lift: 1.110, conv: 1.876)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.938, supp: 0.150, lift: 1.157, conv: 3.040)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.178, conv: 4.180)

{Response: 1} -> {Kidhome: 0} (conf: 0.789, supp: 0.150, lift: 1.350, conv: 1.971)

BEFORE:

NUM RULES: 41

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.518, supp: 0.145, lift: 0.870, conv: 0.840)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.690, supp: 0.100, lift: 0.879, conv: 0.693)

{Education: PhD} -> {Response: 0} (conf: 0.705, supp: 0.155, lift: 0.898, conv: 0.728)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.535, supp: 0.230, lift: 0.899, conv: 0.871)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.535, supp: 0.115, lift: 0.899, conv: 0.871)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.552, supp: 0.185, lift: 0.928, conv: 0.904)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.560, supp: 0.140, lift: 0.941, conv: 0.920)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.742, supp: 0.115, lift: 0.945, conv: 0.833)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.500, supp: 0.135, lift: 0.952, conv: 0.950)

{Response: 0} -> {Kidhome: 0} (conf: 0.567, supp: 0.445, lift: 0.953, conv: 0.935)

{Kidhome: 0} -> {Response: 0} (conf: 0.748, supp: 0.445, lift: 0.953, conv: 0.853)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.754, supp: 0.230, lift: 0.961, conv: 0.874)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.574, supp: 0.155, lift: 0.965, conv: 0.951)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.575, supp: 0.115, lift: 0.966, conv: 0.953)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.512, supp: 0.110, lift: 0.975, conv: 0.973)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.513, supp: 0.305, lift: 0.976, conv: 0.975)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.581, supp: 0.305, lift: 0.976, conv: 0.966)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.517, supp: 0.230, lift: 0.984, conv: 0.983)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.784, supp: 0.145, lift: 0.998, conv: 0.994)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.796, supp: 0.215, lift: 1.014, conv: 1.055)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.800, supp: 0.200, lift: 1.019, conv: 1.075)

{Education: Master} -> {Response: 0} (conf: 0.815, supp: 0.110, lift: 1.038, conv: 1.161)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.815, supp: 0.110, lift: 1.038, conv: 1.161)

{Response: 0} -> {Education: Graduation} (conf: 0.548, supp: 0.430, lift: 1.043, conv: 1.050)

{Education: Graduation} -> {Response: 0} (conf: 0.819, supp: 0.430, lift: 1.043, conv: 1.188)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.821, supp: 0.115, lift: 1.046, conv: 1.204)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.824, supp: 0.140, lift: 1.049, conv: 1.218)

{Kidhome: 1} -> {Response: 0} (conf: 0.831, supp: 0.320, lift: 1.059, conv: 1.273)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.836, supp: 0.280, lift: 1.065, conv: 1.310)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.844, supp: 0.135, lift: 1.075, conv: 1.376)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.645, supp: 0.100, lift: 1.084, conv: 1.141)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.571, supp: 0.220, lift: 1.088, conv: 1.108)

{Education: PhD} -> {Kidhome: 0} (conf: 0.659, supp: 0.145, lift: 1.108, conv: 1.188)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.893, supp: 0.125, lift: 1.137, conv: 2.007)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.909, supp: 0.200, lift: 1.158, conv: 2.365)

{Response: 1} -> {Kidhome: 0} (conf: 0.698, supp: 0.150, lift: 1.173, conv: 1.340)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.625, supp: 0.200, lift: 1.190, conv: 1.267)

{Kidhome: 1} -> {Education: Graduation, Response: 0} (conf: 0.519, supp: 0.200, lift: 1.208, conv: 1.186)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.680, supp: 0.170, lift: 1.295, conv: 1.484)

{Marital\_Status: Single} -> {Education: Graduation, Response: 0} (conf: 0.560, supp: 0.140, lift: 1.302, conv: 1.295)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.700, supp: 0.140, lift: 1.333, conv: 1.583)

loss 1: 691 loss 2 : 1556

AFTER SUPPRESSION:

NUM RULES: 16

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.518, supp: 0.145, lift: 0.870, conv: 0.840)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.535, supp: 0.115, lift: 0.899, conv: 0.871)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.552, supp: 0.185, lift: 0.928, conv: 0.904)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.560, supp: 0.140, lift: 0.941, conv: 0.920)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.742, supp: 0.115, lift: 0.945, conv: 0.833)

{Response: 0} -> {Kidhome: 0} (conf: 0.567, supp: 0.445, lift: 0.953, conv: 0.935)

{Kidhome: 0} -> {Response: 0} (conf: 0.748, supp: 0.445, lift: 0.953, conv: 0.853)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.574, supp: 0.155, lift: 0.965, conv: 0.951)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.575, supp: 0.115, lift: 0.966, conv: 0.953)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.784, supp: 0.145, lift: 0.998, conv: 0.994)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.796, supp: 0.215, lift: 1.014, conv: 1.055)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.800, supp: 0.200, lift: 1.019, conv: 1.075)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.821, supp: 0.115, lift: 1.046, conv: 1.204)

{Kidhome: 1} -> {Response: 0} (conf: 0.831, supp: 0.320, lift: 1.059, conv: 1.273)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.836, supp: 0.280, lift: 1.065, conv: 1.310)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.893, supp: 0.125, lift: 1.137, conv: 2.007)

BEFORE:

NUM RULES: 44

{Education: PhD} -> {Response: 0} (conf: 0.659, supp: 0.135, lift: 0.793, conv: 0.498)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.500, supp: 0.150, lift: 0.847, conv: 0.820)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.742, supp: 0.115, lift: 0.894, conv: 0.659)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.529, supp: 0.180, lift: 0.897, conv: 0.871)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.533, supp: 0.120, lift: 0.904, conv: 0.879)

{Education: PhD} -> {Kidhome: 0} (conf: 0.537, supp: 0.110, lift: 0.909, conv: 0.885)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.150, lift: 0.917, conv: 0.910)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.500, supp: 0.170, lift: 0.917, conv: 0.910)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.774, supp: 0.120, lift: 0.933, conv: 0.753)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.776, supp: 0.190, lift: 0.934, conv: 0.757)

{Response: 0} -> {Kidhome: 0} (conf: 0.554, supp: 0.460, lift: 0.939, conv: 0.920)

{Kidhome: 0} -> {Response: 0} (conf: 0.780, supp: 0.460, lift: 0.939, conv: 0.772)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.562, supp: 0.270, lift: 0.953, conv: 0.937)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.585, supp: 0.155, lift: 0.991, conv: 0.988)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.544, supp: 0.215, lift: 0.999, conv: 0.998)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.831, supp: 0.270, lift: 1.001, conv: 1.005)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.547, supp: 0.145, lift: 1.004, conv: 1.005)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.833, supp: 0.150, lift: 1.004, conv: 1.020)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.551, supp: 0.325, lift: 1.011, conv: 1.013)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.596, supp: 0.325, lift: 1.011, conv: 1.016)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.556, supp: 0.125, lift: 1.019, conv: 1.024)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.849, supp: 0.225, lift: 1.023, conv: 1.126)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.605, supp: 0.115, lift: 1.026, conv: 1.039)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.853, supp: 0.145, lift: 1.028, conv: 1.156)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.862, supp: 0.125, lift: 1.039, conv: 1.232)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.577, supp: 0.205, lift: 1.060, conv: 1.077)

{Response: 0} -> {Education: Graduation} (conf: 0.578, supp: 0.480, lift: 1.061, conv: 1.079)

{Education: Graduation} -> {Response: 0} (conf: 0.881, supp: 0.480, lift: 1.061, conv: 1.425)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.882, supp: 0.300, lift: 1.063, conv: 1.445)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.882, supp: 0.150, lift: 1.063, conv: 1.445)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.633, supp: 0.155, lift: 1.072, conv: 1.116)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.587, supp: 0.270, lift: 1.077, conv: 1.102)

{Education: Master} -> {Response: 0} (conf: 0.897, supp: 0.130, lift: 1.080, conv: 1.643)

{Kidhome: 1} -> {Education: Graduation, Response: 0} (conf: 0.519, supp: 0.205, lift: 1.081, conv: 1.081)

{Kidhome: 1} -> {Response: 0} (conf: 0.899, supp: 0.355, lift: 1.083, conv: 1.679)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.933, supp: 0.140, lift: 1.124, conv: 2.550)

{Education: Graduation, Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.676, supp: 0.115, lift: 1.147, conv: 1.267)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.953, supp: 0.205, lift: 1.149, conv: 3.655)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.150, conv: 3.740)

{Marital\_Status: Single} -> {Education: Graduation, Response: 0} (conf: 0.592, supp: 0.145, lift: 1.233, conv: 1.274)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.694, supp: 0.170, lift: 1.273, conv: 1.486)

{Response: 1} -> {Kidhome: 0} (conf: 0.765, supp: 0.130, lift: 1.296, conv: 1.742)

{Kidhome: 0, Marital\_Status: Single} -> {Education: Graduation} (conf: 0.742, supp: 0.115, lift: 1.361, conv: 1.763)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.763, supp: 0.145, lift: 1.400, conv: 1.921)

loss 1: 689 loss 2 : 1369

AFTER SUPPRESSION:

NUM RULES: 19

{Education: PhD} -> {Response: 0} (conf: 0.659, supp: 0.135, lift: 0.793, conv: 0.498)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.500, supp: 0.150, lift: 0.847, conv: 0.820)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.742, supp: 0.115, lift: 0.894, conv: 0.659)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.529, supp: 0.180, lift: 0.897, conv: 0.871)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.533, supp: 0.120, lift: 0.904, conv: 0.879)

{Education: PhD} -> {Kidhome: 0} (conf: 0.537, supp: 0.110, lift: 0.909, conv: 0.885)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.774, supp: 0.120, lift: 0.933, conv: 0.753)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.776, supp: 0.190, lift: 0.934, conv: 0.757)

{Response: 0} -> {Kidhome: 0} (conf: 0.554, supp: 0.460, lift: 0.939, conv: 0.920)

{Kidhome: 0} -> {Response: 0} (conf: 0.780, supp: 0.460, lift: 0.939, conv: 0.772)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.585, supp: 0.155, lift: 0.991, conv: 0.988)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.833, supp: 0.150, lift: 1.004, conv: 1.020)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.849, supp: 0.225, lift: 1.023, conv: 1.126)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.605, supp: 0.115, lift: 1.026, conv: 1.039)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.882, supp: 0.300, lift: 1.063, conv: 1.445)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.633, supp: 0.155, lift: 1.072, conv: 1.116)

{Kidhome: 1} -> {Response: 0} (conf: 0.899, supp: 0.355, lift: 1.083, conv: 1.679)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.933, supp: 0.140, lift: 1.124, conv: 2.550)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.150, conv: 3.740)

BEFORE:

NUM RULES: 47

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.667, supp: 0.100, lift: 0.789, conv: 0.465)

{Education: PhD} -> {Response: 0} (conf: 0.698, supp: 0.185, lift: 0.826, conv: 0.513)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.706, supp: 0.120, lift: 0.835, conv: 0.527)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.540, supp: 0.170, lift: 0.863, conv: 0.815)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.541, supp: 0.100, lift: 0.865, conv: 0.816)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.544, supp: 0.185, lift: 0.871, conv: 0.823)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.745, supp: 0.190, lift: 0.882, conv: 0.608)

{Education: PhD} -> {Kidhome: 0} (conf: 0.566, supp: 0.150, lift: 0.906, conv: 0.864)

{Response: 0} -> {Kidhome: 0} (conf: 0.604, supp: 0.510, lift: 0.966, conv: 0.946)

{Kidhome: 0} -> {Response: 0} (conf: 0.816, supp: 0.510, lift: 0.966, conv: 0.842)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.500, supp: 0.170, lift: 0.980, conv: 0.980)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.620, supp: 0.155, lift: 0.992, conv: 0.987)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.846, supp: 0.110, lift: 1.001, conv: 1.007)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.632, supp: 0.120, lift: 1.011, conv: 1.018)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.861, supp: 0.155, lift: 1.019, conv: 1.116)

{Education: Master} -> {Response: 0} (conf: 0.867, supp: 0.130, lift: 1.026, conv: 1.162)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.643, supp: 0.180, lift: 1.029, conv: 1.050)

{Education: Graduation, Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 1.029, conv: 1.188)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.875, supp: 0.280, lift: 1.036, conv: 1.240)

{Kidhome: 1} -> {Response: 0} (conf: 0.889, supp: 0.320, lift: 1.052, conv: 1.395)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.893, supp: 0.250, lift: 1.057, conv: 1.447)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.667, supp: 0.280, lift: 1.067, conv: 1.125)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.667, supp: 0.170, lift: 1.067, conv: 1.125)

{Education: Graduation} -> {Response: 0} (conf: 0.903, supp: 0.420, lift: 1.069, conv: 1.602)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.903, supp: 0.140, lift: 1.069, conv: 1.602)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.554, supp: 0.155, lift: 1.085, conv: 1.098)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.919, supp: 0.170, lift: 1.087, conv: 1.912)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.510, supp: 0.130, lift: 1.096, conv: 1.091)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.926, supp: 0.315, lift: 1.096, conv: 2.108)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.512, supp: 0.320, lift: 1.101, conv: 1.096)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.688, supp: 0.320, lift: 1.101, conv: 1.203)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.933, supp: 0.140, lift: 1.105, conv: 2.325)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.960, supp: 0.120, lift: 1.136, conv: 3.875)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.964, supp: 0.135, lift: 1.141, conv: 4.340)

{Education: Graduation, Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.714, supp: 0.100, lift: 1.143, conv: 1.312)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.549, supp: 0.280, lift: 1.181, conv: 1.186)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.602, supp: 0.280, lift: 1.181, conv: 1.232)

{Response: 1} -> {Kidhome: 0} (conf: 0.742, supp: 0.115, lift: 1.187, conv: 1.453)

{Education: Graduation, Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.742, supp: 0.115, lift: 1.187, conv: 1.453)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.554, supp: 0.155, lift: 1.190, conv: 1.198)

{Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.140, lift: 1.190, conv: 1.160)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.560, supp: 0.140, lift: 1.204, conv: 1.216)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.579, supp: 0.110, lift: 1.245, conv: 1.271)

{Education: Graduation, Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.645, supp: 0.100, lift: 1.265, conv: 1.381)

{Kidhome: 0, Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.556, supp: 0.100, lift: 1.323, conv: 1.305)

{Kidhome: 0, Marital\_Status: Together} -> {Education: Graduation} (conf: 0.639, supp: 0.115, lift: 1.374, conv: 1.482)

{Kidhome: 0, Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.645, supp: 0.100, lift: 1.387, conv: 1.508)

loss 1: 717 loss 2 : 1538

AFTER SUPPRESSION:

NUM RULES: 22

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.667, supp: 0.100, lift: 0.789, conv: 0.465)

{Education: PhD} -> {Response: 0} (conf: 0.698, supp: 0.185, lift: 0.826, conv: 0.513)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.706, supp: 0.120, lift: 0.835, conv: 0.527)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.540, supp: 0.170, lift: 0.863, conv: 0.815)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.541, supp: 0.100, lift: 0.865, conv: 0.816)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.544, supp: 0.185, lift: 0.871, conv: 0.823)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.745, supp: 0.190, lift: 0.882, conv: 0.608)

{Education: PhD} -> {Kidhome: 0} (conf: 0.566, supp: 0.150, lift: 0.906, conv: 0.864)

{Response: 0} -> {Kidhome: 0} (conf: 0.604, supp: 0.510, lift: 0.966, conv: 0.946)

{Kidhome: 0} -> {Response: 0} (conf: 0.816, supp: 0.510, lift: 0.966, conv: 0.842)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.500, supp: 0.170, lift: 0.980, conv: 0.980)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.620, supp: 0.155, lift: 0.992, conv: 0.987)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.632, supp: 0.120, lift: 1.011, conv: 1.018)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.861, supp: 0.155, lift: 1.019, conv: 1.116)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.643, supp: 0.180, lift: 1.029, conv: 1.050)

{Kidhome: 1} -> {Response: 0} (conf: 0.889, supp: 0.320, lift: 1.052, conv: 1.395)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.893, supp: 0.250, lift: 1.057, conv: 1.447)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.667, supp: 0.170, lift: 1.067, conv: 1.125)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.554, supp: 0.155, lift: 1.085, conv: 1.098)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.919, supp: 0.170, lift: 1.087, conv: 1.912)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.926, supp: 0.315, lift: 1.096, conv: 2.108)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.933, supp: 0.140, lift: 1.105, conv: 2.325)

BEFORE:

NUM RULES: 38

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.733, supp: 0.110, lift: 0.838, conv: 0.469)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.750, supp: 0.105, lift: 0.857, conv: 0.500)

{Education: PhD} -> {Response: 0} (conf: 0.796, supp: 0.195, lift: 0.910, conv: 0.612)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.808, supp: 0.210, lift: 0.923, conv: 0.650)

{Response: 0} -> {Kidhome: 0} (conf: 0.503, supp: 0.440, lift: 0.940, conv: 0.935)

{Kidhome: 0} -> {Response: 0} (conf: 0.822, supp: 0.440, lift: 0.940, conv: 0.704)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.844, supp: 0.135, lift: 0.964, conv: 0.800)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.524, supp: 0.110, lift: 0.979, conv: 0.976)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.865, supp: 0.225, lift: 0.989, conv: 0.929)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 0.994, conv: 0.958)

{Education: Master} -> {Response: 0} (conf: 0.871, supp: 0.135, lift: 0.995, conv: 0.969)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.875, supp: 0.140, lift: 1.000, conv: 1.000)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.538, supp: 0.105, lift: 1.006, conv: 1.007)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.540, supp: 0.135, lift: 1.009, conv: 1.011)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.542, supp: 0.225, lift: 1.013, conv: 1.016)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.893, supp: 0.250, lift: 1.020, conv: 1.167)

{Education: Graduation} -> {Response: 0} (conf: 0.902, supp: 0.415, lift: 1.031, conv: 1.278)

{Education: 2n Cycle} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.039, conv: 1.375)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.565, supp: 0.260, lift: 1.056, conv: 1.069)

{Kidhome: 1} -> {Response: 0} (conf: 0.932, supp: 0.410, lift: 1.065, conv: 1.833)

{Education: PhD} -> {Kidhome: 0} (conf: 0.571, supp: 0.140, lift: 1.068, conv: 1.085)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.571, supp: 0.160, lift: 1.068, conv: 1.085)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.577, supp: 0.150, lift: 1.078, conv: 1.099)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.947, supp: 0.180, lift: 1.083, conv: 2.375)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.091, conv: 2.750)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.960, supp: 0.120, lift: 1.097, conv: 3.125)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.967, supp: 0.145, lift: 1.105, conv: 3.750)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.969, supp: 0.315, lift: 1.108, conv: 4.062)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.971, supp: 0.165, lift: 1.109, conv: 4.250)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.511, supp: 0.225, lift: 1.112, conv: 1.105)

{Education: Graduation, Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.625, supp: 0.100, lift: 1.168, conv: 1.240)

{Marital\_Status: Married} -> {Kidhome: 1} (conf: 0.523, supp: 0.170, lift: 1.189, conv: 1.174)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 1} (conf: 0.524, supp: 0.165, lift: 1.190, conv: 1.176)

{Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.140, lift: 1.205, conv: 1.170)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.560, supp: 0.140, lift: 1.217, conv: 1.227)

{Marital\_Status: Married} -> {Kidhome: 1, Response: 0} (conf: 0.508, supp: 0.165, lift: 1.238, conv: 1.198)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.571, supp: 0.160, lift: 1.242, conv: 1.260)

{Kidhome: 0, Marital\_Status: Together} -> {Education: Graduation} (conf: 0.625, supp: 0.100, lift: 1.359, conv: 1.440)

loss 1: 732 loss 2 : 1343

AFTER SUPPRESSION:

NUM RULES: 17

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.733, supp: 0.110, lift: 0.838, conv: 0.469)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.750, supp: 0.105, lift: 0.857, conv: 0.500)

{Education: PhD} -> {Response: 0} (conf: 0.796, supp: 0.195, lift: 0.910, conv: 0.612)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.808, supp: 0.210, lift: 0.923, conv: 0.650)

{Response: 0} -> {Kidhome: 0} (conf: 0.503, supp: 0.440, lift: 0.940, conv: 0.935)

{Kidhome: 0} -> {Response: 0} (conf: 0.822, supp: 0.440, lift: 0.940, conv: 0.704)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.844, supp: 0.135, lift: 0.964, conv: 0.800)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.524, supp: 0.110, lift: 0.979, conv: 0.976)

{Education: Master} -> {Response: 0} (conf: 0.871, supp: 0.135, lift: 0.995, conv: 0.969)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.538, supp: 0.105, lift: 1.006, conv: 1.007)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.540, supp: 0.135, lift: 1.009, conv: 1.011)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.893, supp: 0.250, lift: 1.020, conv: 1.167)

{Education: PhD} -> {Kidhome: 0} (conf: 0.571, supp: 0.140, lift: 1.068, conv: 1.085)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.571, supp: 0.160, lift: 1.068, conv: 1.085)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.577, supp: 0.150, lift: 1.078, conv: 1.099)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.967, supp: 0.145, lift: 1.105, conv: 3.750)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.969, supp: 0.315, lift: 1.108, conv: 4.062)

BEFORE:

NUM RULES: 29

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.773, supp: 0.170, lift: 0.888, conv: 0.572)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.500, supp: 0.220, lift: 0.901, conv: 0.890)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.786, supp: 0.110, lift: 0.903, conv: 0.607)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.520, supp: 0.195, lift: 0.937, conv: 0.927)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.822, supp: 0.185, lift: 0.945, conv: 0.731)

{Education: PhD} -> {Response: 0} (conf: 0.830, supp: 0.195, lift: 0.954, conv: 0.764)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.833, supp: 0.100, lift: 0.958, conv: 0.780)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.533, supp: 0.120, lift: 0.961, conv: 0.954)

{Response: 0} -> {Kidhome: 0} (conf: 0.534, supp: 0.465, lift: 0.963, conv: 0.956)

{Kidhome: 0} -> {Response: 0} (conf: 0.838, supp: 0.465, lift: 0.963, conv: 0.802)

{Education: Graduation} -> {Response: 0} (conf: 0.841, supp: 0.370, lift: 0.967, conv: 0.817)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.871, supp: 0.135, lift: 1.001, conv: 1.007)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.564, supp: 0.110, lift: 1.016, conv: 1.021)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.897, supp: 0.175, lift: 1.032, conv: 1.267)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.900, supp: 0.225, lift: 1.034, conv: 1.300)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.900, supp: 0.180, lift: 1.034, conv: 1.300)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.903, supp: 0.140, lift: 1.038, conv: 1.343)

{Kidhome: 1} -> {Response: 0} (conf: 0.904, supp: 0.375, lift: 1.039, conv: 1.349)

{Education: Master} -> {Response: 0} (conf: 0.905, supp: 0.190, lift: 1.040, conv: 1.365)

{Education: Master, Kidhome: 0} -> {Response: 0} (conf: 0.929, supp: 0.130, lift: 1.067, conv: 1.820)

{Education: PhD} -> {Kidhome: 0} (conf: 0.596, supp: 0.140, lift: 1.073, conv: 1.101)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.600, supp: 0.135, lift: 1.081, conv: 1.112)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.947, supp: 0.355, lift: 1.088, conv: 2.437)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.620, supp: 0.155, lift: 1.117, conv: 1.171)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.160, lift: 1.149, conv: 130000000.000)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.540, supp: 0.135, lift: 1.161, conv: 1.163)

{Education: Master} -> {Kidhome: 0} (conf: 0.667, supp: 0.140, lift: 1.201, conv: 1.335)

{Education: Master, Response: 0} -> {Kidhome: 0} (conf: 0.684, supp: 0.130, lift: 1.233, conv: 1.409)

{Education: Master} -> {Kidhome: 0, Response: 0} (conf: 0.619, supp: 0.130, lift: 1.331, conv: 1.404)

loss 1: 830 loss 2 : 1486

AFTER SUPPRESSION:

NUM RULES: 17

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.773, supp: 0.170, lift: 0.888, conv: 0.572)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.500, supp: 0.220, lift: 0.901, conv: 0.890)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.520, supp: 0.195, lift: 0.937, conv: 0.927)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.822, supp: 0.185, lift: 0.945, conv: 0.731)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.833, supp: 0.100, lift: 0.958, conv: 0.780)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.533, supp: 0.120, lift: 0.961, conv: 0.954)

{Response: 0} -> {Kidhome: 0} (conf: 0.534, supp: 0.465, lift: 0.963, conv: 0.956)

{Kidhome: 0} -> {Response: 0} (conf: 0.838, supp: 0.465, lift: 0.963, conv: 0.802)

{Education: Graduation} -> {Response: 0} (conf: 0.841, supp: 0.370, lift: 0.967, conv: 0.817)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.871, supp: 0.135, lift: 1.001, conv: 1.007)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.897, supp: 0.175, lift: 1.032, conv: 1.267)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.900, supp: 0.225, lift: 1.034, conv: 1.300)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.903, supp: 0.140, lift: 1.038, conv: 1.343)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.600, supp: 0.135, lift: 1.081, conv: 1.112)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.947, supp: 0.355, lift: 1.088, conv: 2.437)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.620, supp: 0.155, lift: 1.117, conv: 1.171)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.540, supp: 0.135, lift: 1.161, conv: 1.163)

BEFORE:

NUM RULES: 33

{Marital\_Status: Single} -> {Response: 0} (conf: 0.837, supp: 0.180, lift: 0.930, conv: 0.614)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.842, supp: 0.160, lift: 0.936, conv: 0.633)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.846, supp: 0.220, lift: 0.940, conv: 0.650)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.543, supp: 0.220, lift: 0.945, conv: 0.930)

{Education: Graduation} -> {Response: 0} (conf: 0.862, supp: 0.405, lift: 0.957, conv: 0.723)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.553, supp: 0.260, lift: 0.962, conv: 0.951)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.867, supp: 0.130, lift: 0.963, conv: 0.750)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.868, supp: 0.165, lift: 0.965, conv: 0.760)

{Response: 0} -> {Kidhome: 0} (conf: 0.561, supp: 0.505, lift: 0.976, conv: 0.968)

{Kidhome: 0} -> {Response: 0} (conf: 0.878, supp: 0.505, lift: 0.976, conv: 0.821)

{Education: PhD} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 0.985, conv: 0.880)

{Education: Master, Response: 0} -> {Kidhome: 0} (conf: 0.568, supp: 0.105, lift: 0.987, conv: 0.983)

{Education: Master} -> {Kidhome: 0} (conf: 0.579, supp: 0.110, lift: 1.007, conv: 1.009)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.579, supp: 0.110, lift: 1.007, conv: 1.009)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.583, supp: 0.210, lift: 1.014, conv: 1.020)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.913, supp: 0.210, lift: 1.014, conv: 1.150)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.920, supp: 0.115, lift: 1.022, conv: 1.250)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.590, supp: 0.230, lift: 1.026, conv: 1.036)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.923, supp: 0.360, lift: 1.026, conv: 1.300)

{Kidhome: 1} -> {Response: 0} (conf: 0.924, supp: 0.365, lift: 1.027, conv: 1.317)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.592, supp: 0.145, lift: 1.029, conv: 1.041)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.933, supp: 0.140, lift: 1.037, conv: 1.500)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.935, supp: 0.145, lift: 1.039, conv: 1.550)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.608, supp: 0.155, lift: 1.057, conv: 1.084)

{Education: Master, Kidhome: 0} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.061, conv: 2.200)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.538, supp: 0.210, lift: 1.066, conv: 1.072)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.961, supp: 0.245, lift: 1.068, conv: 2.550)

{Education: Master} -> {Response: 0} (conf: 0.974, supp: 0.185, lift: 1.082, conv: 3.800)

{Education: Master} -> {Kidhome: 0, Response: 0} (conf: 0.553, supp: 0.105, lift: 1.094, conv: 1.106)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.569, supp: 0.145, lift: 1.126, conv: 1.147)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.667, supp: 0.130, lift: 1.159, conv: 1.275)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.591, supp: 0.130, lift: 1.170, conv: 1.210)

{Education: PhD} -> {Kidhome: 0} (conf: 0.682, supp: 0.150, lift: 1.186, conv: 1.336)

loss 1: 736 loss 2 : 1535

AFTER SUPPRESSION:

NUM RULES: 9

{Marital\_Status: Single} -> {Response: 0} (conf: 0.837, supp: 0.180, lift: 0.930, conv: 0.614)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.867, supp: 0.130, lift: 0.963, conv: 0.750)

{Response: 0} -> {Kidhome: 0} (conf: 0.561, supp: 0.505, lift: 0.976, conv: 0.968)

{Kidhome: 0} -> {Response: 0} (conf: 0.878, supp: 0.505, lift: 0.976, conv: 0.821)

{Education: PhD} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 0.985, conv: 0.880)

{Kidhome: 1} -> {Response: 0} (conf: 0.924, supp: 0.365, lift: 1.027, conv: 1.317)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.667, supp: 0.130, lift: 1.159, conv: 1.275)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.591, supp: 0.130, lift: 1.170, conv: 1.210)

{Education: PhD} -> {Kidhome: 0} (conf: 0.682, supp: 0.150, lift: 1.186, conv: 1.336)

BEFORE:

NUM RULES: 34

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.513, supp: 0.100, lift: 0.862, conv: 0.831)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.795, supp: 0.155, lift: 0.903, conv: 0.585)

{Education: PhD} -> {Response: 0} (conf: 0.795, supp: 0.175, lift: 0.904, conv: 0.587)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.800, supp: 0.120, lift: 0.909, conv: 0.600)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.556, supp: 0.200, lift: 0.934, conv: 0.911)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.568, supp: 0.105, lift: 0.954, conv: 0.937)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.573, supp: 0.255, lift: 0.963, conv: 0.949)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.573, supp: 0.215, lift: 0.964, conv: 0.949)

{Response: 0} -> {Kidhome: 0} (conf: 0.580, supp: 0.510, lift: 0.974, conv: 0.963)

{Kidhome: 0} -> {Response: 0} (conf: 0.857, supp: 0.510, lift: 0.974, conv: 0.840)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.586, supp: 0.290, lift: 0.985, conv: 0.978)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.872, supp: 0.170, lift: 0.991, conv: 0.936)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.879, supp: 0.255, lift: 0.999, conv: 0.994)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.255, lift: 1.010, conv: 1.010)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.515, supp: 0.255, lift: 1.010, conv: 1.011)

{Education: Master} -> {Kidhome: 0} (conf: 0.606, supp: 0.100, lift: 1.019, conv: 1.028)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.898, supp: 0.265, lift: 1.021, conv: 1.180)

{Response: 0} -> {Education: Graduation} (conf: 0.506, supp: 0.445, lift: 1.022, conv: 1.022)

{Education: Graduation} -> {Response: 0} (conf: 0.899, supp: 0.445, lift: 1.022, conv: 1.188)

{Kidhome: 1} -> {Response: 0} (conf: 0.903, supp: 0.325, lift: 1.026, conv: 1.234)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.914, supp: 0.160, lift: 1.039, conv: 1.400)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.533, supp: 0.200, lift: 1.046, conv: 1.050)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.929, supp: 0.130, lift: 1.055, conv: 1.680)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.930, supp: 0.200, lift: 1.057, conv: 1.720)

{Education: Master} -> {Response: 0} (conf: 0.939, supp: 0.155, lift: 1.067, conv: 1.980)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.545, supp: 0.120, lift: 1.070, conv: 1.078)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.946, supp: 0.175, lift: 1.075, conv: 2.220)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.642, supp: 0.170, lift: 1.078, conv: 1.130)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.960, supp: 0.360, lift: 1.091, conv: 3.000)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.661, supp: 0.195, lift: 1.111, conv: 1.195)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.576, supp: 0.170, lift: 1.130, conv: 1.156)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.140, lift: 1.136, conv: 120000000.000)

{Education: PhD} -> {Kidhome: 0} (conf: 0.682, supp: 0.150, lift: 1.146, conv: 1.273)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.686, supp: 0.120, lift: 1.152, conv: 1.289)

loss 1: 648 loss 2 : 1658

AFTER SUPPRESSION:

NUM RULES: 16

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.513, supp: 0.100, lift: 0.862, conv: 0.831)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.795, supp: 0.155, lift: 0.903, conv: 0.585)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.556, supp: 0.200, lift: 0.934, conv: 0.911)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.573, supp: 0.215, lift: 0.964, conv: 0.949)

{Response: 0} -> {Kidhome: 0} (conf: 0.580, supp: 0.510, lift: 0.974, conv: 0.963)

{Kidhome: 0} -> {Response: 0} (conf: 0.857, supp: 0.510, lift: 0.974, conv: 0.840)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.872, supp: 0.170, lift: 0.991, conv: 0.936)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.898, supp: 0.265, lift: 1.021, conv: 1.180)

{Kidhome: 1} -> {Response: 0} (conf: 0.903, supp: 0.325, lift: 1.026, conv: 1.234)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.533, supp: 0.200, lift: 1.046, conv: 1.050)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.930, supp: 0.200, lift: 1.057, conv: 1.720)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.642, supp: 0.170, lift: 1.078, conv: 1.130)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.960, supp: 0.360, lift: 1.091, conv: 3.000)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.661, supp: 0.195, lift: 1.111, conv: 1.195)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.576, supp: 0.170, lift: 1.130, conv: 1.156)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.140, lift: 1.136, conv: 120000000.000)

BEFORE:

NUM RULES: 46

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.788, supp: 0.130, lift: 0.885, conv: 0.519)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.816, supp: 0.155, lift: 0.917, conv: 0.597)

{Education: PhD} -> {Response: 0} (conf: 0.824, supp: 0.210, lift: 0.925, conv: 0.623)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.575, supp: 0.230, lift: 0.950, conv: 0.929)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.577, supp: 0.225, lift: 0.954, conv: 0.934)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.583, supp: 0.140, lift: 0.964, conv: 0.948)

{Response: 0} -> {Kidhome: 0} (conf: 0.584, supp: 0.520, lift: 0.966, conv: 0.950)

{Kidhome: 0} -> {Response: 0} (conf: 0.860, supp: 0.520, lift: 0.966, conv: 0.783)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.591, supp: 0.130, lift: 0.977, conv: 0.966)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.591, supp: 0.130, lift: 0.977, conv: 0.966)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.510, supp: 0.130, lift: 0.980, conv: 0.979)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.875, supp: 0.140, lift: 0.983, conv: 0.880)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.598, supp: 0.275, lift: 0.988, conv: 0.982)

{Education: Master} -> {Response: 0} (conf: 0.882, supp: 0.150, lift: 0.991, conv: 0.935)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.606, supp: 0.300, lift: 1.002, conv: 1.003)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.615, supp: 0.160, lift: 1.017, conv: 1.027)

{Education: Master} -> {Kidhome: 0} (conf: 0.618, supp: 0.105, lift: 1.021, conv: 1.033)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.619, supp: 0.130, lift: 1.023, conv: 1.037)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.507, supp: 0.185, lift: 1.024, conv: 1.024)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.917, supp: 0.275, lift: 1.030, conv: 1.320)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.538, supp: 0.140, lift: 1.036, conv: 1.040)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.923, supp: 0.240, lift: 1.037, conv: 1.430)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.515, supp: 0.175, lift: 1.040, conv: 1.041)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.632, supp: 0.120, lift: 1.044, conv: 1.072)

{Response: 0} -> {Education: Graduation} (conf: 0.517, supp: 0.460, lift: 1.044, conv: 1.045)

{Education: Graduation} -> {Response: 0} (conf: 0.929, supp: 0.460, lift: 1.044, conv: 1.556)

{Kidhome: 1} -> {Response: 0} (conf: 0.932, supp: 0.340, lift: 1.047, conv: 1.606)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.946, supp: 0.175, lift: 1.063, conv: 2.035)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.529, supp: 0.275, lift: 1.068, conv: 1.072)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.556, supp: 0.275, lift: 1.068, conv: 1.080)

{Education: PhD} -> {Kidhome: 0} (conf: 0.647, supp: 0.165, lift: 1.070, conv: 1.119)

{Education: PhD, Marital\_Status: Married} -> {Response: 0} (conf: 0.952, supp: 0.100, lift: 1.070, conv: 2.310)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.562, supp: 0.225, lift: 1.082, conv: 1.097)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.968, supp: 0.150, lift: 1.087, conv: 3.410)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.975, supp: 0.390, lift: 1.096, conv: 4.400)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.978, supp: 0.225, lift: 1.099, conv: 5.060)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.550, supp: 0.220, lift: 1.111, conv: 1.122)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.220, lift: 1.124, conv: 110000000.000)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 1.000, supp: 0.110, lift: 1.124, conv: 110000000.000)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.130, lift: 1.124, conv: 110000000.000)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.591, supp: 0.130, lift: 1.136, conv: 1.173)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.564, supp: 0.220, lift: 1.140, conv: 1.159)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.565, supp: 0.130, lift: 1.142, conv: 1.161)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.578, supp: 0.130, lift: 1.167, conv: 1.196)

{Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.550, supp: 0.220, lift: 1.196, conv: 1.200)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.565, supp: 0.130, lift: 1.229, conv: 1.242)

loss 1: 717 loss 2 : 1520

AFTER SUPPRESSION:

NUM RULES: 16

{Marital\_Status: Single} -> {Response: 0} (conf: 0.816, supp: 0.155, lift: 0.917, conv: 0.597)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.575, supp: 0.230, lift: 0.950, conv: 0.929)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.577, supp: 0.225, lift: 0.954, conv: 0.934)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.583, supp: 0.140, lift: 0.964, conv: 0.948)

{Response: 0} -> {Kidhome: 0} (conf: 0.584, supp: 0.520, lift: 0.966, conv: 0.950)

{Kidhome: 0} -> {Response: 0} (conf: 0.860, supp: 0.520, lift: 0.966, conv: 0.783)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.875, supp: 0.140, lift: 0.983, conv: 0.880)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.615, supp: 0.160, lift: 1.017, conv: 1.027)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.538, supp: 0.140, lift: 1.036, conv: 1.040)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.923, supp: 0.240, lift: 1.037, conv: 1.430)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.632, supp: 0.120, lift: 1.044, conv: 1.072)

{Kidhome: 1} -> {Response: 0} (conf: 0.932, supp: 0.340, lift: 1.047, conv: 1.606)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.562, supp: 0.225, lift: 1.082, conv: 1.097)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.968, supp: 0.150, lift: 1.087, conv: 3.410)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.975, supp: 0.390, lift: 1.096, conv: 4.400)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.978, supp: 0.225, lift: 1.099, conv: 5.060)

BEFORE:

NUM RULES: 29

{Marital\_Status: Single} -> {Response: 0} (conf: 0.725, supp: 0.145, lift: 0.843, conv: 0.509)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.500, supp: 0.190, lift: 0.935, conv: 0.930)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.824, supp: 0.140, lift: 0.958, conv: 0.793)

{Education: PhD} -> {Response: 0} (conf: 0.842, supp: 0.240, lift: 0.979, conv: 0.887)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.846, supp: 0.220, lift: 0.984, conv: 0.910)

{Response: 0} -> {Kidhome: 0} (conf: 0.529, supp: 0.455, lift: 0.989, conv: 0.987)

{Kidhome: 0} -> {Response: 0} (conf: 0.850, supp: 0.455, lift: 0.989, conv: 0.936)

{Kidhome: 1} -> {Response: 0} (conf: 0.857, supp: 0.360, lift: 0.997, conv: 0.980)

{Education: Graduation} -> {Response: 0} (conf: 0.862, supp: 0.405, lift: 1.002, conv: 1.012)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.868, supp: 0.165, lift: 1.010, conv: 1.064)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.868, supp: 0.165, lift: 1.010, conv: 1.064)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.541, supp: 0.100, lift: 1.010, conv: 1.012)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.543, supp: 0.220, lift: 1.015, conv: 1.018)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.886, supp: 0.155, lift: 1.030, conv: 1.225)

{Education: Master} -> {Response: 0} (conf: 0.889, supp: 0.160, lift: 1.034, conv: 1.260)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.553, supp: 0.260, lift: 1.034, conv: 1.041)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.908, supp: 0.345, lift: 1.056, conv: 1.520)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.919, supp: 0.170, lift: 1.069, conv: 1.727)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.930, supp: 0.265, lift: 1.081, conv: 1.995)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.583, supp: 0.140, lift: 1.090, conv: 1.116)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.585, supp: 0.155, lift: 1.093, conv: 1.120)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.941, supp: 0.160, lift: 1.094, conv: 2.380)

{Education: PhD} -> {Kidhome: 0} (conf: 0.596, supp: 0.170, lift: 1.115, conv: 1.152)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.960, supp: 0.120, lift: 1.116, conv: 3.500)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.526, supp: 0.100, lift: 1.120, conv: 1.119)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.614, supp: 0.175, lift: 1.148, conv: 1.205)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 1.000, supp: 0.100, lift: 1.163, conv: 140000000.000)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.544, supp: 0.155, lift: 1.195, conv: 1.195)

{Marital\_Status: Single} -> {Kidhome: 1} (conf: 0.525, supp: 0.105, lift: 1.250, conv: 1.221)

loss 1: 778 loss 2 : 1502

AFTER SUPPRESSION:

NUM RULES: 11

{Marital\_Status: Single} -> {Response: 0} (conf: 0.725, supp: 0.145, lift: 0.843, conv: 0.509)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.500, supp: 0.190, lift: 0.935, conv: 0.930)

{Response: 0} -> {Kidhome: 0} (conf: 0.529, supp: 0.455, lift: 0.989, conv: 0.987)

{Kidhome: 0} -> {Response: 0} (conf: 0.850, supp: 0.455, lift: 0.989, conv: 0.936)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.868, supp: 0.165, lift: 1.010, conv: 1.064)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.886, supp: 0.155, lift: 1.030, conv: 1.225)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.908, supp: 0.345, lift: 1.056, conv: 1.520)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.930, supp: 0.265, lift: 1.081, conv: 1.995)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.585, supp: 0.155, lift: 1.093, conv: 1.120)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.614, supp: 0.175, lift: 1.148, conv: 1.205)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.544, supp: 0.155, lift: 1.195, conv: 1.195)

BEFORE:

NUM RULES: 36

{Marital\_Status: Single} -> {Response: 0} (conf: 0.758, supp: 0.125, lift: 0.876, conv: 0.557)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.500, supp: 0.235, lift: 0.893, conv: 0.880)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.500, supp: 0.210, lift: 0.893, conv: 0.880)

{Education: PhD} -> {Response: 0} (conf: 0.800, supp: 0.200, lift: 0.925, conv: 0.675)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.524, supp: 0.165, lift: 0.935, conv: 0.924)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.824, supp: 0.140, lift: 0.952, conv: 0.765)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.825, supp: 0.165, lift: 0.954, conv: 0.771)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.541, supp: 0.200, lift: 0.965, conv: 0.958)

{Kidhome: 1} -> {Response: 0} (conf: 0.840, supp: 0.340, lift: 0.971, conv: 0.841)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.851, supp: 0.315, lift: 0.984, conv: 0.908)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.871, supp: 0.135, lift: 1.007, conv: 1.046)

{Education: Master} -> {Response: 0} (conf: 0.872, supp: 0.170, lift: 1.008, conv: 1.053)

{Response: 0} -> {Kidhome: 0} (conf: 0.566, supp: 0.490, lift: 1.012, conv: 1.015)

{Kidhome: 0} -> {Response: 0} (conf: 0.875, supp: 0.490, lift: 1.012, conv: 1.080)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 1.025, conv: 1.188)

{Education: Graduation} -> {Response: 0} (conf: 0.894, supp: 0.420, lift: 1.033, conv: 1.269)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.894, supp: 0.210, lift: 1.033, conv: 1.269)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.897, supp: 0.175, lift: 1.037, conv: 1.316)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.905, supp: 0.285, lift: 1.046, conv: 1.417)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.906, supp: 0.145, lift: 1.048, conv: 1.440)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.051, conv: 1.485)

{Marital\_Status: Divorced} -> {Response: 0} (conf: 0.913, supp: 0.105, lift: 1.056, conv: 1.552)

{Education: Master, Kidhome: 0} -> {Response: 0} (conf: 0.920, supp: 0.115, lift: 1.064, conv: 1.687)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.935, supp: 0.145, lift: 1.081, conv: 2.092)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.509, supp: 0.145, lift: 1.082, conv: 1.079)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.614, supp: 0.175, lift: 1.096, conv: 1.140)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.619, supp: 0.195, lift: 1.105, conv: 1.155)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.556, supp: 0.175, lift: 1.134, conv: 1.147)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.560, supp: 0.140, lift: 1.143, conv: 1.159)

{Education: Master} -> {Kidhome: 0} (conf: 0.641, supp: 0.125, lift: 1.145, conv: 1.226)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.543, supp: 0.220, lift: 1.156, conv: 1.160)

{Education: Master} -> {Kidhome: 0, Response: 0} (conf: 0.590, supp: 0.115, lift: 1.204, conv: 1.243)

{Education: Master, Response: 0} -> {Kidhome: 0} (conf: 0.676, supp: 0.115, lift: 1.208, conv: 1.360)

{Education: PhD} -> {Kidhome: 0} (conf: 0.680, supp: 0.170, lift: 1.214, conv: 1.375)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.574, supp: 0.195, lift: 1.220, conv: 1.243)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.700, supp: 0.140, lift: 1.250, conv: 1.467)

loss 1: 681 loss 2 : 1248

AFTER SUPPRESSION:

NUM RULES: 20

{Marital\_Status: Single} -> {Response: 0} (conf: 0.758, supp: 0.125, lift: 0.876, conv: 0.557)

{Education: PhD} -> {Response: 0} (conf: 0.800, supp: 0.200, lift: 0.925, conv: 0.675)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.524, supp: 0.165, lift: 0.935, conv: 0.924)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.824, supp: 0.140, lift: 0.952, conv: 0.765)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.825, supp: 0.165, lift: 0.954, conv: 0.771)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.541, supp: 0.200, lift: 0.965, conv: 0.958)

{Kidhome: 1} -> {Response: 0} (conf: 0.840, supp: 0.340, lift: 0.971, conv: 0.841)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.851, supp: 0.315, lift: 0.984, conv: 0.908)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.871, supp: 0.135, lift: 1.007, conv: 1.046)

{Response: 0} -> {Kidhome: 0} (conf: 0.566, supp: 0.490, lift: 1.012, conv: 1.015)

{Kidhome: 0} -> {Response: 0} (conf: 0.875, supp: 0.490, lift: 1.012, conv: 1.080)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.897, supp: 0.175, lift: 1.037, conv: 1.316)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.905, supp: 0.285, lift: 1.046, conv: 1.417)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.051, conv: 1.485)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.614, supp: 0.175, lift: 1.096, conv: 1.140)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.619, supp: 0.195, lift: 1.105, conv: 1.155)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.556, supp: 0.175, lift: 1.134, conv: 1.147)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.560, supp: 0.140, lift: 1.143, conv: 1.159)

{Education: PhD} -> {Kidhome: 0} (conf: 0.680, supp: 0.170, lift: 1.214, conv: 1.375)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.700, supp: 0.140, lift: 1.250, conv: 1.467)

BEFORE:

NUM RULES: 35

{Education: PhD} -> {Response: 0} (conf: 0.741, supp: 0.200, lift: 0.877, conv: 0.598)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.529, supp: 0.180, lift: 0.929, conv: 0.914)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.793, supp: 0.115, lift: 0.939, conv: 0.749)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.794, supp: 0.135, lift: 0.940, conv: 0.753)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.536, supp: 0.150, lift: 0.940, conv: 0.926)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.537, supp: 0.110, lift: 0.941, conv: 0.928)

{Kidhome: 1} -> {Response: 0} (conf: 0.812, supp: 0.325, lift: 0.962, conv: 0.827)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.824, supp: 0.280, lift: 0.975, conv: 0.878)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.556, supp: 0.275, lift: 0.975, conv: 0.967)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.557, supp: 0.245, lift: 0.977, conv: 0.970)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.829, supp: 0.170, lift: 0.981, conv: 0.908)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.833, supp: 0.150, lift: 0.986, conv: 0.930)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.844, supp: 0.135, lift: 0.999, conv: 0.992)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.847, supp: 0.250, lift: 1.003, conv: 1.016)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.853, supp: 0.145, lift: 1.009, conv: 1.054)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.245, lift: 1.010, conv: 1.010)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.576, supp: 0.170, lift: 1.011, conv: 1.015)

{Response: 0} -> {Kidhome: 0} (conf: 0.580, supp: 0.490, lift: 1.017, conv: 1.024)

{Kidhome: 0} -> {Response: 0} (conf: 0.860, supp: 0.490, lift: 1.017, conv: 1.104)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.580, supp: 0.145, lift: 1.018, conv: 1.024)

{Education: Master} -> {Response: 0} (conf: 0.862, supp: 0.125, lift: 1.020, conv: 1.124)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.500, supp: 0.135, lift: 1.020, conv: 1.020)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.512, supp: 0.205, lift: 1.035, conv: 1.036)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.878, supp: 0.180, lift: 1.039, conv: 1.271)

{Response: 0} -> {Education: Graduation} (conf: 0.521, supp: 0.440, lift: 1.052, conv: 1.054)

{Education: Graduation} -> {Response: 0} (conf: 0.889, supp: 0.440, lift: 1.052, conv: 1.395)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.891, supp: 0.245, lift: 1.054, conv: 1.421)

{Marital\_Status: Divorced} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.076, conv: 1.705)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.909, supp: 0.150, lift: 1.076, conv: 1.705)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.536, supp: 0.150, lift: 1.082, conv: 1.088)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.540, supp: 0.135, lift: 1.091, conv: 1.098)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.542, supp: 0.160, lift: 1.096, conv: 1.104)

{Education: PhD} -> {Kidhome: 0} (conf: 0.630, supp: 0.170, lift: 1.105, conv: 1.161)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.554, supp: 0.180, lift: 1.119, conv: 1.132)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.675, supp: 0.135, lift: 1.184, conv: 1.323)

loss 1: 661 loss 2 : 1603

AFTER SUPPRESSION:

NUM RULES: 16

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.529, supp: 0.180, lift: 0.929, conv: 0.914)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.793, supp: 0.115, lift: 0.939, conv: 0.749)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.536, supp: 0.150, lift: 0.940, conv: 0.926)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.537, supp: 0.110, lift: 0.941, conv: 0.928)

{Kidhome: 1} -> {Response: 0} (conf: 0.812, supp: 0.325, lift: 0.962, conv: 0.827)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.824, supp: 0.280, lift: 0.975, conv: 0.878)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.829, supp: 0.170, lift: 0.981, conv: 0.908)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.833, supp: 0.150, lift: 0.986, conv: 0.930)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.847, supp: 0.250, lift: 1.003, conv: 1.016)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.853, supp: 0.145, lift: 1.009, conv: 1.054)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.576, supp: 0.170, lift: 1.011, conv: 1.015)

{Response: 0} -> {Kidhome: 0} (conf: 0.580, supp: 0.490, lift: 1.017, conv: 1.024)

{Kidhome: 0} -> {Response: 0} (conf: 0.860, supp: 0.490, lift: 1.017, conv: 1.104)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.580, supp: 0.145, lift: 1.018, conv: 1.024)

{Education: Master} -> {Response: 0} (conf: 0.862, supp: 0.125, lift: 1.020, conv: 1.124)

{Marital\_Status: Divorced} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.076, conv: 1.705)

BEFORE:

NUM RULES: 43

{Education: PhD} -> {Response: 0} (conf: 0.764, supp: 0.210, lift: 0.904, conv: 0.656)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.548, supp: 0.115, lift: 0.913, conv: 0.884)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.771, supp: 0.135, lift: 0.913, conv: 0.678)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.786, supp: 0.165, lift: 0.930, conv: 0.723)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.793, supp: 0.115, lift: 0.939, conv: 0.749)

{Kidhome: 1} -> {Response: 0} (conf: 0.822, supp: 0.300, lift: 0.973, conv: 0.870)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.584, supp: 0.225, lift: 0.974, conv: 0.962)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.587, supp: 0.135, lift: 0.978, conv: 0.968)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.507, supp: 0.185, lift: 0.984, conv: 0.983)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.838, supp: 0.155, lift: 0.992, conv: 0.956)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.517, supp: 0.155, lift: 1.003, conv: 1.003)

{Response: 0} -> {Kidhome: 0} (conf: 0.604, supp: 0.510, lift: 1.006, conv: 1.009)

{Kidhome: 0} -> {Response: 0} (conf: 0.850, supp: 0.510, lift: 1.006, conv: 1.033)

{Response: 0} -> {Education: Graduation} (conf: 0.521, supp: 0.440, lift: 1.011, conv: 1.012)

{Education: Graduation} -> {Response: 0} (conf: 0.854, supp: 0.440, lift: 1.011, conv: 1.064)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.610, supp: 0.125, lift: 1.016, conv: 1.025)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.859, supp: 0.275, lift: 1.017, conv: 1.102)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.612, supp: 0.205, lift: 1.020, conv: 1.031)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.870, supp: 0.335, lift: 1.030, conv: 1.193)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.533, supp: 0.320, lift: 1.036, conv: 1.039)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.621, supp: 0.320, lift: 1.036, conv: 1.056)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.625, supp: 0.275, lift: 1.042, conv: 1.067)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.532, supp: 0.205, lift: 1.044, conv: 1.048)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.539, supp: 0.275, lift: 1.047, conv: 1.053)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.534, supp: 0.275, lift: 1.047, conv: 1.051)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.891, supp: 0.205, lift: 1.055, conv: 1.426)

{Education: PhD} -> {Kidhome: 0} (conf: 0.636, supp: 0.175, lift: 1.061, conv: 1.100)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.543, supp: 0.125, lift: 1.066, conv: 1.073)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.643, supp: 0.135, lift: 1.071, conv: 1.120)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.909, supp: 0.200, lift: 1.076, conv: 1.705)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.911, supp: 0.205, lift: 1.078, conv: 1.744)

{Education: Master} -> {Response: 0} (conf: 0.917, supp: 0.110, lift: 1.085, conv: 1.860)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.096, conv: 2.092)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.659, supp: 0.145, lift: 1.098, conv: 1.173)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.931, supp: 0.135, lift: 1.102, conv: 2.247)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.571, supp: 0.220, lift: 1.110, conv: 1.132)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.675, supp: 0.135, lift: 1.125, conv: 1.231)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.597, supp: 0.200, lift: 1.159, conv: 1.204)

{Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.519, supp: 0.200, lift: 1.181, conv: 1.165)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.614, supp: 0.135, lift: 1.203, conv: 1.268)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.644, supp: 0.145, lift: 1.251, conv: 1.364)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.659, supp: 0.135, lift: 1.279, conv: 1.420)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.600, supp: 0.135, lift: 1.364, conv: 1.400)

loss 1: 694 loss 2 : 1262

AFTER SUPPRESSION:

NUM RULES: 17

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.548, supp: 0.115, lift: 0.913, conv: 0.884)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.786, supp: 0.165, lift: 0.930, conv: 0.723)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.793, supp: 0.115, lift: 0.939, conv: 0.749)

{Kidhome: 1} -> {Response: 0} (conf: 0.822, supp: 0.300, lift: 0.973, conv: 0.870)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.584, supp: 0.225, lift: 0.974, conv: 0.962)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.587, supp: 0.135, lift: 0.978, conv: 0.968)

{Response: 0} -> {Kidhome: 0} (conf: 0.604, supp: 0.510, lift: 1.006, conv: 1.009)

{Kidhome: 0} -> {Response: 0} (conf: 0.850, supp: 0.510, lift: 1.006, conv: 1.033)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.610, supp: 0.125, lift: 1.016, conv: 1.025)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.612, supp: 0.205, lift: 1.020, conv: 1.031)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.870, supp: 0.335, lift: 1.030, conv: 1.193)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.532, supp: 0.205, lift: 1.044, conv: 1.048)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.891, supp: 0.205, lift: 1.055, conv: 1.426)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.543, supp: 0.125, lift: 1.066, conv: 1.073)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.911, supp: 0.205, lift: 1.078, conv: 1.744)

{Education: Master} -> {Response: 0} (conf: 0.917, supp: 0.110, lift: 1.085, conv: 1.860)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.096, conv: 2.092)

BEFORE:

NUM RULES: 43

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.526, supp: 0.205, lift: 0.848, conv: 0.801)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.543, supp: 0.190, lift: 0.876, conv: 0.831)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.758, supp: 0.125, lift: 0.881, conv: 0.577)

{Education: PhD} -> {Response: 0} (conf: 0.784, supp: 0.200, lift: 0.912, conv: 0.649)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.800, supp: 0.160, lift: 0.930, conv: 0.700)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.508, supp: 0.150, lift: 0.950, conv: 0.946)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.600, supp: 0.135, lift: 0.968, conv: 0.950)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.833, supp: 0.150, lift: 0.969, conv: 0.840)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.522, supp: 0.180, lift: 0.975, conv: 0.972)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.848, supp: 0.140, lift: 0.987, conv: 0.924)

{Response: 0} -> {Kidhome: 0} (conf: 0.616, supp: 0.530, lift: 0.994, conv: 0.990)

{Kidhome: 0} -> {Response: 0} (conf: 0.855, supp: 0.530, lift: 0.994, conv: 0.964)

{Kidhome: 1} -> {Response: 0} (conf: 0.855, supp: 0.295, lift: 0.994, conv: 0.966)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.625, supp: 0.125, lift: 1.008, conv: 1.013)

{Response: 0} -> {Education: Graduation} (conf: 0.541, supp: 0.465, lift: 1.011, conv: 1.012)

{Education: Graduation} -> {Response: 0} (conf: 0.869, supp: 0.465, lift: 1.011, conv: 1.070)

{Education: Master} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 1.011, conv: 1.073)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.884, supp: 0.305, lift: 1.028, conv: 1.207)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.889, supp: 0.200, lift: 1.034, conv: 1.260)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.891, supp: 0.205, lift: 1.036, conv: 1.288)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.556, supp: 0.345, lift: 1.040, conv: 1.048)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.645, supp: 0.345, lift: 1.040, conv: 1.070)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.897, supp: 0.350, lift: 1.044, conv: 1.365)

{Education: PhD} -> {Kidhome: 0} (conf: 0.647, supp: 0.165, lift: 1.044, conv: 1.077)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.650, supp: 0.130, lift: 1.048, conv: 1.086)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.650, supp: 0.130, lift: 1.048, conv: 1.086)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.903, supp: 0.140, lift: 1.050, conv: 1.447)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.656, supp: 0.305, lift: 1.058, conv: 1.104)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.571, supp: 0.200, lift: 1.068, conv: 1.085)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.575, supp: 0.115, lift: 1.075, conv: 1.094)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.575, supp: 0.305, lift: 1.076, conv: 1.095)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.570, supp: 0.305, lift: 1.076, conv: 1.093)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.927, supp: 0.190, lift: 1.078, conv: 1.913)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.577, supp: 0.225, lift: 1.078, conv: 1.099)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.674, supp: 0.155, lift: 1.087, conv: 1.165)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.578, supp: 0.130, lift: 1.090, conv: 1.113)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.683, supp: 0.140, lift: 1.101, conv: 1.198)

{Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.513, supp: 0.200, lift: 1.103, conv: 1.098)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.963, supp: 0.130, lift: 1.120, conv: 3.780)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.609, supp: 0.140, lift: 1.148, conv: 1.201)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.659, supp: 0.135, lift: 1.231, conv: 1.362)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.684, supp: 0.130, lift: 1.279, conv: 1.472)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.634, supp: 0.130, lift: 1.364, conv: 1.462)

loss 1: 652 loss 2 : 1278

AFTER SUPPRESSION:

NUM RULES: 19

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.526, supp: 0.205, lift: 0.848, conv: 0.801)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.543, supp: 0.190, lift: 0.876, conv: 0.831)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.758, supp: 0.125, lift: 0.881, conv: 0.577)

{Education: PhD} -> {Response: 0} (conf: 0.784, supp: 0.200, lift: 0.912, conv: 0.649)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.800, supp: 0.160, lift: 0.930, conv: 0.700)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.848, supp: 0.140, lift: 0.987, conv: 0.924)

{Response: 0} -> {Kidhome: 0} (conf: 0.616, supp: 0.530, lift: 0.994, conv: 0.990)

{Kidhome: 0} -> {Response: 0} (conf: 0.855, supp: 0.530, lift: 0.994, conv: 0.964)

{Kidhome: 1} -> {Response: 0} (conf: 0.855, supp: 0.295, lift: 0.994, conv: 0.966)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.625, supp: 0.125, lift: 1.008, conv: 1.013)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.891, supp: 0.205, lift: 1.036, conv: 1.288)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.897, supp: 0.350, lift: 1.044, conv: 1.365)

{Education: PhD} -> {Kidhome: 0} (conf: 0.647, supp: 0.165, lift: 1.044, conv: 1.077)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.650, supp: 0.130, lift: 1.048, conv: 1.086)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.903, supp: 0.140, lift: 1.050, conv: 1.447)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.927, supp: 0.190, lift: 1.078, conv: 1.913)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.674, supp: 0.155, lift: 1.087, conv: 1.165)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.683, supp: 0.140, lift: 1.101, conv: 1.198)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.609, supp: 0.140, lift: 1.148, conv: 1.201)

BEFORE:

NUM RULES: 50

{Education: PhD} -> {Response: 0} (conf: 0.727, supp: 0.160, lift: 0.851, conv: 0.532)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.531, supp: 0.215, lift: 0.892, conv: 0.863)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.771, supp: 0.135, lift: 0.902, conv: 0.634)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.775, supp: 0.155, lift: 0.906, conv: 0.644)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.500, supp: 0.100, lift: 0.917, conv: 0.910)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.549, supp: 0.140, lift: 0.923, conv: 0.898)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.550, supp: 0.110, lift: 0.924, conv: 0.900)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.793, supp: 0.115, lift: 0.928, conv: 0.701)

{Kidhome: 1} -> {Response: 0} (conf: 0.800, supp: 0.300, lift: 0.936, conv: 0.725)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.512, supp: 0.105, lift: 0.940, conv: 0.933)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.810, supp: 0.170, lift: 0.947, conv: 0.761)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.506, supp: 0.205, lift: 0.955, conv: 0.952)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.577, supp: 0.205, lift: 0.971, conv: 0.958)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.523, supp: 0.115, lift: 0.986, conv: 0.985)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.529, supp: 0.135, lift: 0.999, conv: 0.999)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.546, supp: 0.325, lift: 1.002, conv: 1.003)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.596, supp: 0.325, lift: 1.002, conv: 1.003)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.863, supp: 0.220, lift: 1.009, conv: 1.056)

{Response: 0} -> {Education: Graduation} (conf: 0.556, supp: 0.475, lift: 1.019, conv: 1.024)

{Education: Graduation} -> {Response: 0} (conf: 0.872, supp: 0.475, lift: 1.019, conv: 1.129)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.877, supp: 0.355, lift: 1.025, conv: 1.174)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.560, supp: 0.210, lift: 1.028, conv: 1.034)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.614, supp: 0.135, lift: 1.031, conv: 1.048)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.566, supp: 0.300, lift: 1.039, conv: 1.048)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.550, supp: 0.300, lift: 1.039, conv: 1.046)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.567, supp: 0.170, lift: 1.040, conv: 1.050)

{Response: 0} -> {Kidhome: 0} (conf: 0.620, supp: 0.530, lift: 1.042, conv: 1.065)

{Kidhome: 0} -> {Response: 0} (conf: 0.891, supp: 0.530, lift: 1.042, conv: 1.327)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.891, supp: 0.205, lift: 1.042, conv: 1.334)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.632, supp: 0.300, lift: 1.061, conv: 1.099)

{Kidhome: 0} -> {Education: Graduation, Response: 0} (conf: 0.504, supp: 0.300, lift: 1.061, conv: 1.059)

{Education: Master} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.063, conv: 1.595)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.923, supp: 0.300, lift: 1.080, conv: 1.885)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.933, supp: 0.140, lift: 1.092, conv: 2.175)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.652, supp: 0.150, lift: 1.096, conv: 1.164)

{Education: PhD} -> {Kidhome: 0} (conf: 0.659, supp: 0.145, lift: 1.108, conv: 1.188)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.953, supp: 0.205, lift: 1.115, conv: 3.117)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.116, conv: 3.190)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.964, supp: 0.135, lift: 1.128, conv: 4.060)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.620, supp: 0.220, lift: 1.137, conv: 1.196)

{Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.543, supp: 0.220, lift: 1.144, conv: 1.149)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.683, supp: 0.140, lift: 1.148, conv: 1.277)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.609, supp: 0.140, lift: 1.148, conv: 1.201)

{Kidhome: 1, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.629, supp: 0.110, lift: 1.153, conv: 1.225)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.630, supp: 0.255, lift: 1.155, conv: 1.228)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.651, supp: 0.140, lift: 1.195, conv: 1.304)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.719, supp: 0.115, lift: 1.208, conv: 1.440)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.659, supp: 0.135, lift: 1.208, conv: 1.332)

{Education: Graduation, Kidhome: 1} -> {Marital\_Status: Married} (conf: 0.524, supp: 0.110, lift: 1.293, conv: 1.249)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.628, supp: 0.135, lift: 1.322, conv: 1.411)

loss 1: 620 loss 2 : 1524

AFTER SUPPRESSION:

NUM RULES: 22

{Education: PhD} -> {Response: 0} (conf: 0.727, supp: 0.160, lift: 0.851, conv: 0.532)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.531, supp: 0.215, lift: 0.892, conv: 0.863)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.771, supp: 0.135, lift: 0.902, conv: 0.634)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.775, supp: 0.155, lift: 0.906, conv: 0.644)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.550, supp: 0.110, lift: 0.924, conv: 0.900)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.793, supp: 0.115, lift: 0.928, conv: 0.701)

{Kidhome: 1} -> {Response: 0} (conf: 0.800, supp: 0.300, lift: 0.936, conv: 0.725)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.506, supp: 0.205, lift: 0.955, conv: 0.952)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.577, supp: 0.205, lift: 0.971, conv: 0.958)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.523, supp: 0.115, lift: 0.986, conv: 0.985)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.877, supp: 0.355, lift: 1.025, conv: 1.174)

{Response: 0} -> {Kidhome: 0} (conf: 0.620, supp: 0.530, lift: 1.042, conv: 1.065)

{Kidhome: 0} -> {Response: 0} (conf: 0.891, supp: 0.530, lift: 1.042, conv: 1.327)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.891, supp: 0.205, lift: 1.042, conv: 1.334)

{Education: Master} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.063, conv: 1.595)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.933, supp: 0.140, lift: 1.092, conv: 2.175)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.652, supp: 0.150, lift: 1.096, conv: 1.164)

{Education: PhD} -> {Kidhome: 0} (conf: 0.659, supp: 0.145, lift: 1.108, conv: 1.188)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.953, supp: 0.205, lift: 1.115, conv: 3.117)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.683, supp: 0.140, lift: 1.148, conv: 1.277)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.609, supp: 0.140, lift: 1.148, conv: 1.201)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.719, supp: 0.115, lift: 1.208, conv: 1.440)

BEFORE:

NUM RULES: 41

{Marital\_Status: Single} -> {Response: 0} (conf: 0.737, supp: 0.140, lift: 0.872, conv: 0.589)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.518, supp: 0.215, lift: 0.909, conv: 0.892)

{Education: Master} -> {Response: 0} (conf: 0.786, supp: 0.110, lift: 0.930, conv: 0.723)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.534, supp: 0.195, lift: 0.937, conv: 0.923)

{Education: PhD} -> {Response: 0} (conf: 0.800, supp: 0.180, lift: 0.947, conv: 0.775)

{Kidhome: 1} -> {Response: 0} (conf: 0.802, supp: 0.325, lift: 0.950, conv: 0.785)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.285, lift: 0.980, conv: 0.980)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.559, supp: 0.285, lift: 0.980, conv: 0.975)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.500, supp: 0.110, lift: 0.980, conv: 0.980)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.837, supp: 0.180, lift: 0.991, conv: 0.952)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.837, supp: 0.180, lift: 0.991, conv: 0.952)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.839, supp: 0.130, lift: 0.993, conv: 0.961)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.842, supp: 0.160, lift: 0.997, conv: 0.982)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.510, supp: 0.255, lift: 1.000, conv: 1.000)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.500, supp: 0.255, lift: 1.000, conv: 1.000)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.518, supp: 0.215, lift: 1.016, conv: 1.017)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.580, supp: 0.255, lift: 1.017, conv: 1.023)

{Response: 0} -> {Education: Graduation} (conf: 0.521, supp: 0.440, lift: 1.021, conv: 1.022)

{Education: Graduation} -> {Response: 0} (conf: 0.863, supp: 0.440, lift: 1.021, conv: 1.129)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.526, supp: 0.100, lift: 1.032, conv: 1.034)

{Marital\_Status: Divorced} -> {Response: 0} (conf: 0.875, supp: 0.105, lift: 1.036, conv: 1.240)

{Response: 0} -> {Kidhome: 0} (conf: 0.592, supp: 0.500, lift: 1.038, conv: 1.053)

{Kidhome: 0} -> {Response: 0} (conf: 0.877, supp: 0.500, lift: 1.038, conv: 1.262)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.880, supp: 0.365, lift: 1.041, conv: 1.286)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.531, supp: 0.215, lift: 1.041, conv: 1.044)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 1.049, conv: 1.364)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.538, supp: 0.105, lift: 1.056, conv: 1.062)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.895, supp: 0.255, lift: 1.059, conv: 1.472)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.907, supp: 0.195, lift: 1.073, conv: 1.666)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.554, supp: 0.180, lift: 1.086, conv: 1.098)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.636, supp: 0.140, lift: 1.116, conv: 1.182)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.130, conv: 3.410)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.964, supp: 0.135, lift: 1.141, conv: 4.340)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.578, supp: 0.130, lift: 1.156, conv: 1.184)

{Kidhome: 1, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.605, supp: 0.115, lift: 1.187, conv: 1.241)

{Education: PhD} -> {Kidhome: 0} (conf: 0.689, supp: 0.155, lift: 1.209, conv: 1.382)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.692, supp: 0.135, lift: 1.215, conv: 1.397)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.614, supp: 0.135, lift: 1.227, conv: 1.294)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.722, supp: 0.130, lift: 1.267, conv: 1.548)

{Education: Graduation, Kidhome: 1} -> {Marital\_Status: Married} (conf: 0.535, supp: 0.115, lift: 1.289, conv: 1.258)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 1} (conf: 0.535, supp: 0.115, lift: 1.321, conv: 1.279)

loss 1: 693 loss 2 : 1404

AFTER SUPPRESSION:

NUM RULES: 15

{Marital\_Status: Single} -> {Response: 0} (conf: 0.737, supp: 0.140, lift: 0.872, conv: 0.589)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.518, supp: 0.215, lift: 0.909, conv: 0.892)

{Education: Master} -> {Response: 0} (conf: 0.786, supp: 0.110, lift: 0.930, conv: 0.723)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.534, supp: 0.195, lift: 0.937, conv: 0.923)

{Kidhome: 1} -> {Response: 0} (conf: 0.802, supp: 0.325, lift: 0.950, conv: 0.785)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.842, supp: 0.160, lift: 0.997, conv: 0.982)

{Response: 0} -> {Kidhome: 0} (conf: 0.592, supp: 0.500, lift: 1.038, conv: 1.053)

{Kidhome: 0} -> {Response: 0} (conf: 0.877, supp: 0.500, lift: 1.038, conv: 1.262)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.880, supp: 0.365, lift: 1.041, conv: 1.286)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 1.049, conv: 1.364)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.907, supp: 0.195, lift: 1.073, conv: 1.666)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.636, supp: 0.140, lift: 1.116, conv: 1.182)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.964, supp: 0.135, lift: 1.141, conv: 4.340)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.692, supp: 0.135, lift: 1.215, conv: 1.397)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.614, supp: 0.135, lift: 1.227, conv: 1.294)

BEFORE:

NUM RULES: 42

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.190, lift: 0.909, conv: 0.900)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.771, supp: 0.135, lift: 0.918, conv: 0.700)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.787, supp: 0.185, lift: 0.937, conv: 0.752)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.524, supp: 0.110, lift: 0.952, conv: 0.945)

{Kidhome: 1} -> {Response: 0} (conf: 0.812, supp: 0.345, lift: 0.966, conv: 0.850)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.535, supp: 0.230, lift: 0.973, conv: 0.967)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.536, supp: 0.185, lift: 0.975, conv: 0.970)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.547, supp: 0.235, lift: 0.976, conv: 0.970)

{Education: PhD} -> {Response: 0} (conf: 0.821, supp: 0.160, lift: 0.977, conv: 0.891)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.821, supp: 0.115, lift: 0.978, conv: 0.896)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.826, supp: 0.190, lift: 0.983, conv: 0.920)

{Education: Master} -> {Response: 0} (conf: 0.828, supp: 0.120, lift: 0.985, conv: 0.928)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.553, supp: 0.210, lift: 0.987, conv: 0.984)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.545, supp: 0.305, lift: 0.990, conv: 0.988)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.555, supp: 0.305, lift: 0.990, conv: 0.988)

{Response: 0} -> {Education: Graduation} (conf: 0.548, supp: 0.460, lift: 0.996, conv: 0.995)

{Education: Graduation} -> {Response: 0} (conf: 0.836, supp: 0.460, lift: 0.996, conv: 0.978)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.552, supp: 0.265, lift: 1.004, conv: 1.005)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.553, supp: 0.235, lift: 1.005, conv: 1.007)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.553, supp: 0.130, lift: 1.006, conv: 1.007)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.553, supp: 0.130, lift: 1.006, conv: 1.007)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.846, supp: 0.110, lift: 1.007, conv: 1.040)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.565, supp: 0.130, lift: 1.009, conv: 1.012)

{Response: 0} -> {Kidhome: 0} (conf: 0.571, supp: 0.480, lift: 1.020, conv: 1.027)

{Kidhome: 0} -> {Response: 0} (conf: 0.857, supp: 0.480, lift: 1.020, conv: 1.120)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.576, supp: 0.265, lift: 1.029, conv: 1.038)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.865, supp: 0.160, lift: 1.030, conv: 1.184)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.579, supp: 0.110, lift: 1.034, conv: 1.045)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.869, supp: 0.265, lift: 1.034, conv: 1.220)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.872, supp: 0.205, lift: 1.039, conv: 1.253)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.884, supp: 0.380, lift: 1.052, conv: 1.376)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.894, supp: 0.210, lift: 1.064, conv: 1.504)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.585, supp: 0.120, lift: 1.064, conv: 1.085)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.900, supp: 0.135, lift: 1.071, conv: 1.600)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.923, supp: 0.120, lift: 1.099, conv: 2.080)

{Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.511, supp: 0.120, lift: 1.110, conv: 1.103)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.638, supp: 0.150, lift: 1.140, conv: 1.216)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.659, supp: 0.135, lift: 1.176, conv: 1.289)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.574, supp: 0.135, lift: 1.197, conv: 1.222)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.590, supp: 0.115, lift: 1.229, conv: 1.267)

{Education: PhD} -> {Kidhome: 0} (conf: 0.718, supp: 0.140, lift: 1.282, conv: 1.560)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.719, supp: 0.115, lift: 1.283, conv: 1.564)

loss 1: 696 loss 2 : 1707

AFTER SUPPRESSION:

NUM RULES: 15

{Marital\_Status: Single} -> {Response: 0} (conf: 0.771, supp: 0.135, lift: 0.918, conv: 0.700)

{Kidhome: 1} -> {Response: 0} (conf: 0.812, supp: 0.345, lift: 0.966, conv: 0.850)

{Education: PhD} -> {Response: 0} (conf: 0.821, supp: 0.160, lift: 0.977, conv: 0.891)

{Education: PhD, Kidhome: 0} -> {Response: 0} (conf: 0.821, supp: 0.115, lift: 0.978, conv: 0.896)

{Education: Master} -> {Response: 0} (conf: 0.828, supp: 0.120, lift: 0.985, conv: 0.928)

{Response: 0} -> {Kidhome: 0} (conf: 0.571, supp: 0.480, lift: 1.020, conv: 1.027)

{Kidhome: 0} -> {Response: 0} (conf: 0.857, supp: 0.480, lift: 1.020, conv: 1.120)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.872, supp: 0.205, lift: 1.039, conv: 1.253)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.900, supp: 0.135, lift: 1.071, conv: 1.600)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.638, supp: 0.150, lift: 1.140, conv: 1.216)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.659, supp: 0.135, lift: 1.176, conv: 1.289)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.574, supp: 0.135, lift: 1.197, conv: 1.222)

{Education: PhD} -> {Kidhome: 0, Response: 0} (conf: 0.590, supp: 0.115, lift: 1.229, conv: 1.267)

{Education: PhD} -> {Kidhome: 0} (conf: 0.718, supp: 0.140, lift: 1.282, conv: 1.560)

{Education: PhD, Response: 0} -> {Kidhome: 0} (conf: 0.719, supp: 0.115, lift: 1.283, conv: 1.564)

BEFORE:

NUM RULES: 45

{Education: PhD} -> {Response: 0} (conf: 0.757, supp: 0.140, lift: 0.896, conv: 0.637)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.757, supp: 0.140, lift: 0.896, conv: 0.637)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.500, supp: 0.120, lift: 0.935, conv: 0.930)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.504, supp: 0.285, lift: 0.943, conv: 0.938)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.533, supp: 0.285, lift: 0.943, conv: 0.931)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.535, supp: 0.115, lift: 0.947, conv: 0.935)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.511, supp: 0.115, lift: 0.955, conv: 0.951)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.542, supp: 0.225, lift: 0.960, conv: 0.950)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.812, supp: 0.195, lift: 0.962, conv: 0.827)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.515, supp: 0.250, lift: 0.963, conv: 0.960)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.518, supp: 0.215, lift: 0.968, conv: 0.965)

{Kidhome: 1} -> {Response: 0} (conf: 0.821, supp: 0.345, lift: 0.972, conv: 0.868)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.549, supp: 0.250, lift: 0.972, conv: 0.965)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.833, supp: 0.150, lift: 0.986, conv: 0.930)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.562, supp: 0.135, lift: 0.996, conv: 0.994)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.533, supp: 0.200, lift: 0.997, conv: 0.996)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.535, supp: 0.115, lift: 1.000, conv: 1.000)

{Response: 0} -> {Education: Graduation} (conf: 0.538, supp: 0.455, lift: 1.006, conv: 1.007)

{Education: Graduation} -> {Response: 0} (conf: 0.850, supp: 0.455, lift: 1.006, conv: 1.037)

{Education: Master} -> {Response: 0} (conf: 0.857, supp: 0.150, lift: 1.014, conv: 1.085)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.573, supp: 0.215, lift: 1.015, conv: 1.020)

{Response: 0} -> {Kidhome: 0} (conf: 0.574, supp: 0.485, lift: 1.016, conv: 1.021)

{Kidhome: 0} -> {Response: 0} (conf: 0.858, supp: 0.485, lift: 1.016, conv: 1.095)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.575, supp: 0.115, lift: 1.018, conv: 1.024)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.581, supp: 0.125, lift: 1.029, conv: 1.039)

{Education: Master, Kidhome: 0} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 1.029, conv: 1.188)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.875, supp: 0.105, lift: 1.036, conv: 1.240)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.877, supp: 0.250, lift: 1.038, conv: 1.262)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.565, supp: 0.195, lift: 1.056, conv: 1.069)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.896, supp: 0.215, lift: 1.060, conv: 1.488)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.568, supp: 0.105, lift: 1.061, conv: 1.075)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.571, supp: 0.240, lift: 1.068, conv: 1.085)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.518, supp: 0.215, lift: 1.068, conv: 1.069)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.904, supp: 0.375, lift: 1.069, conv: 1.608)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.521, supp: 0.125, lift: 1.074, conv: 1.075)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.096, conv: 2.092)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.930, supp: 0.200, lift: 1.101, conv: 2.222)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.535, supp: 0.115, lift: 1.103, conv: 1.107)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.511, supp: 0.115, lift: 1.123, conv: 1.115)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.956, supp: 0.215, lift: 1.131, conv: 3.487)

{Education: Master} -> {Kidhome: 0} (conf: 0.657, supp: 0.115, lift: 1.163, conv: 1.269)

{Education: Master} -> {Kidhome: 0, Response: 0} (conf: 0.571, supp: 0.100, lift: 1.178, conv: 1.202)

{Education: Master, Response: 0} -> {Kidhome: 0} (conf: 0.667, supp: 0.100, lift: 1.180, conv: 1.305)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.115, lift: 1.183, conv: 155000000.000)

{Education: PhD} -> {Kidhome: 0} (conf: 0.676, supp: 0.125, lift: 1.196, conv: 1.341)

loss 1: 670 loss 2 : 1230

AFTER SUPPRESSION:

NUM RULES: 17

{Education: PhD} -> {Response: 0} (conf: 0.757, supp: 0.140, lift: 0.896, conv: 0.637)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.757, supp: 0.140, lift: 0.896, conv: 0.637)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.542, supp: 0.225, lift: 0.960, conv: 0.950)

{Kidhome: 1} -> {Response: 0} (conf: 0.821, supp: 0.345, lift: 0.972, conv: 0.868)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.833, supp: 0.150, lift: 0.986, conv: 0.930)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.562, supp: 0.135, lift: 0.996, conv: 0.994)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.573, supp: 0.215, lift: 1.015, conv: 1.020)

{Response: 0} -> {Kidhome: 0} (conf: 0.574, supp: 0.485, lift: 1.016, conv: 1.021)

{Kidhome: 0} -> {Response: 0} (conf: 0.858, supp: 0.485, lift: 1.016, conv: 1.095)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.581, supp: 0.125, lift: 1.029, conv: 1.039)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.896, supp: 0.215, lift: 1.060, conv: 1.488)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.518, supp: 0.215, lift: 1.068, conv: 1.069)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.904, supp: 0.375, lift: 1.069, conv: 1.608)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.521, supp: 0.125, lift: 1.074, conv: 1.075)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.096, conv: 2.092)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.956, supp: 0.215, lift: 1.131, conv: 3.487)

{Education: PhD} -> {Kidhome: 0} (conf: 0.676, supp: 0.125, lift: 1.196, conv: 1.341)

BEFORE:

NUM RULES: 49

{Education: PhD} -> {Response: 0} (conf: 0.730, supp: 0.135, lift: 0.853, conv: 0.536)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.744, supp: 0.160, lift: 0.870, conv: 0.567)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.500, supp: 0.130, lift: 0.926, conv: 0.920)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.185, lift: 0.926, conv: 0.920)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.100, lift: 0.926, conv: 0.920)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.506, supp: 0.210, lift: 0.937, conv: 0.931)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.511, supp: 0.120, lift: 0.946, conv: 0.940)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.512, supp: 0.105, lift: 0.949, conv: 0.943)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.598, supp: 0.275, lift: 0.949, conv: 0.920)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.600, supp: 0.120, lift: 0.952, conv: 0.925)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.605, supp: 0.130, lift: 0.960, conv: 0.936)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.610, supp: 0.125, lift: 0.968, conv: 0.948)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.524, supp: 0.330, lift: 0.970, conv: 0.966)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.611, supp: 0.330, lift: 0.970, conv: 0.951)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.524, supp: 0.275, lift: 0.970, conv: 0.966)

{Education: Graduation} -> {Kidhome: 0, Response: 0} (conf: 0.509, supp: 0.275, lift: 0.970, conv: 0.968)

{Response: 0} -> {Kidhome: 0} (conf: 0.614, supp: 0.525, lift: 0.975, conv: 0.959)

{Kidhome: 0} -> {Response: 0} (conf: 0.833, supp: 0.525, lift: 0.975, conv: 0.870)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.833, supp: 0.275, lift: 0.975, conv: 0.870)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.619, supp: 0.130, lift: 0.983, conv: 0.971)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.627, supp: 0.260, lift: 0.994, conv: 0.991)

{Response: 0} -> {Education: Graduation} (conf: 0.538, supp: 0.460, lift: 0.996, conv: 0.996)

{Education: Graduation} -> {Response: 0} (conf: 0.852, supp: 0.460, lift: 0.996, conv: 0.979)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.635, supp: 0.235, lift: 1.008, conv: 1.014)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.867, supp: 0.130, lift: 1.014, conv: 1.087)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.878, supp: 0.180, lift: 1.027, conv: 1.189)

{Education: PhD} -> {Kidhome: 0} (conf: 0.649, supp: 0.120, lift: 1.030, conv: 1.053)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.649, supp: 0.120, lift: 1.030, conv: 1.053)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.881, supp: 0.185, lift: 1.030, conv: 1.218)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.558, supp: 0.120, lift: 1.034, conv: 1.041)

{Kidhome: 1} -> {Response: 0} (conf: 0.889, supp: 0.320, lift: 1.040, conv: 1.305)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.562, supp: 0.180, lift: 1.042, conv: 1.051)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.892, supp: 0.370, lift: 1.043, conv: 1.337)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.569, supp: 0.205, lift: 1.055, conv: 1.068)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.904, supp: 0.235, lift: 1.057, conv: 1.508)

{Education: Master, Kidhome: 0} -> {Response: 0} (conf: 0.920, supp: 0.115, lift: 1.076, conv: 1.812)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.566, supp: 0.235, lift: 1.079, conv: 1.095)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.923, supp: 0.120, lift: 1.080, conv: 1.885)

{Kidhome: 1} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.180, lift: 1.087, conv: 1.080)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.571, supp: 0.120, lift: 1.088, conv: 1.108)

{Education: Master} -> {Response: 0} (conf: 0.941, supp: 0.160, lift: 1.101, conv: 2.465)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.952, supp: 0.100, lift: 1.114, conv: 3.045)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.585, supp: 0.120, lift: 1.115, conv: 1.146)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.960, supp: 0.120, lift: 1.123, conv: 3.625)

{Education: Master, Response: 0} -> {Kidhome: 0} (conf: 0.719, supp: 0.115, lift: 1.141, conv: 1.316)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.976, supp: 0.200, lift: 1.141, conv: 5.945)

{Response: 1} -> {Kidhome: 0} (conf: 0.724, supp: 0.105, lift: 1.149, conv: 1.341)

{Education: Master} -> {Kidhome: 0} (conf: 0.735, supp: 0.125, lift: 1.167, conv: 1.398)

{Education: Master} -> {Kidhome: 0, Response: 0} (conf: 0.676, supp: 0.115, lift: 1.289, conv: 1.468)

loss 1: 661 loss 2 : 1972

AFTER SUPPRESSION:

NUM RULES: 18

{Education: PhD} -> {Response: 0} (conf: 0.730, supp: 0.135, lift: 0.853, conv: 0.536)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.744, supp: 0.160, lift: 0.870, conv: 0.567)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.600, supp: 0.120, lift: 0.952, conv: 0.925)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.605, supp: 0.130, lift: 0.960, conv: 0.936)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.610, supp: 0.125, lift: 0.968, conv: 0.948)

{Response: 0} -> {Kidhome: 0} (conf: 0.614, supp: 0.525, lift: 0.975, conv: 0.959)

{Kidhome: 0} -> {Response: 0} (conf: 0.833, supp: 0.525, lift: 0.975, conv: 0.870)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.627, supp: 0.260, lift: 0.994, conv: 0.991)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.635, supp: 0.235, lift: 1.008, conv: 1.014)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.867, supp: 0.130, lift: 1.014, conv: 1.087)

{Education: PhD} -> {Kidhome: 0} (conf: 0.649, supp: 0.120, lift: 1.030, conv: 1.053)

{Kidhome: 1} -> {Response: 0} (conf: 0.889, supp: 0.320, lift: 1.040, conv: 1.305)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.892, supp: 0.370, lift: 1.043, conv: 1.337)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.904, supp: 0.235, lift: 1.057, conv: 1.508)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.566, supp: 0.235, lift: 1.079, conv: 1.095)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.585, supp: 0.120, lift: 1.115, conv: 1.146)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.960, supp: 0.120, lift: 1.123, conv: 3.625)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.976, supp: 0.200, lift: 1.141, conv: 5.945)

BEFORE:

NUM RULES: 47

{Marital\_Status: Single} -> {Response: 0} (conf: 0.714, supp: 0.175, lift: 0.840, conv: 0.525)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.510, supp: 0.125, lift: 0.911, conv: 0.898)

{Education: PhD} -> {Response: 0} (conf: 0.806, supp: 0.145, lift: 0.948, conv: 0.771)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.820, supp: 0.250, lift: 0.964, conv: 0.832)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.531, supp: 0.130, lift: 0.965, conv: 0.959)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.543, supp: 0.250, lift: 0.970, conv: 0.964)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.534, supp: 0.195, lift: 0.971, conv: 0.966)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.537, supp: 0.220, lift: 0.976, conv: 0.971)

{Response: 0} -> {Kidhome: 0} (conf: 0.547, supp: 0.465, lift: 0.977, conv: 0.971)

{Kidhome: 0} -> {Response: 0} (conf: 0.830, supp: 0.465, lift: 0.977, conv: 0.884)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.538, supp: 0.250, lift: 0.978, conv: 0.973)

{Response: 0} -> {Education: Graduation} (conf: 0.541, supp: 0.460, lift: 0.984, conv: 0.981)

{Education: Graduation} -> {Response: 0} (conf: 0.836, supp: 0.460, lift: 0.984, conv: 0.917)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.542, supp: 0.195, lift: 0.985, conv: 0.982)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.839, supp: 0.130, lift: 0.987, conv: 0.930)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.545, supp: 0.305, lift: 0.990, conv: 0.988)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.555, supp: 0.305, lift: 0.990, conv: 0.988)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.848, supp: 0.195, lift: 0.997, conv: 0.986)

{Education: Master} -> {Response: 0} (conf: 0.853, supp: 0.145, lift: 1.003, conv: 1.020)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.554, supp: 0.230, lift: 1.008, conv: 1.009)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.571, supp: 0.120, lift: 1.020, conv: 1.027)

{Kidhome: 1} -> {Response: 0} (conf: 0.867, supp: 0.360, lift: 1.021, conv: 1.132)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.562, supp: 0.135, lift: 1.023, conv: 1.029)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.575, supp: 0.115, lift: 1.027, conv: 1.035)

{Kidhome: 1, Marital\_Status: Single} -> {Response: 0} (conf: 0.875, supp: 0.105, lift: 1.029, conv: 1.200)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.568, supp: 0.125, lift: 1.033, conv: 1.042)

{Education: PhD} -> {Kidhome: 0} (conf: 0.583, supp: 0.105, lift: 1.042, conv: 1.056)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 1.043, conv: 1.320)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.585, supp: 0.240, lift: 1.045, conv: 1.061)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.890, supp: 0.365, lift: 1.047, conv: 1.367)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.603, supp: 0.220, lift: 1.076, conv: 1.108)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.917, supp: 0.220, lift: 1.078, conv: 1.800)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.595, supp: 0.125, lift: 1.082, conv: 1.112)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.089, conv: 2.025)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.600, supp: 0.120, lift: 1.091, conv: 1.125)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.614, supp: 0.135, lift: 1.096, conv: 1.139)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.952, supp: 0.200, lift: 1.120, conv: 3.150)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.958, supp: 0.115, lift: 1.127, conv: 3.600)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.960, supp: 0.120, lift: 1.129, conv: 3.750)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.521, supp: 0.125, lift: 1.132, conv: 1.127)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.641, supp: 0.125, lift: 1.145, conv: 1.226)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.537, supp: 0.220, lift: 1.154, conv: 1.154)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.548, supp: 0.115, lift: 1.178, conv: 1.183)

{Education: Graduation, Kidhome: 0, Response: 0} -> {Marital\_Status: Married} (conf: 0.500, supp: 0.125, lift: 1.220, conv: 1.180)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.568, supp: 0.125, lift: 1.222, conv: 1.239)

{Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.571, supp: 0.120, lift: 1.242, conv: 1.260)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 1} (conf: 0.600, supp: 0.105, lift: 1.446, conv: 1.462)

loss 1: 683 loss 2 : 1695

AFTER SUPPRESSION:

NUM RULES: 20

{Marital\_Status: Single} -> {Response: 0} (conf: 0.714, supp: 0.175, lift: 0.840, conv: 0.525)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.510, supp: 0.125, lift: 0.911, conv: 0.898)

{Education: PhD} -> {Response: 0} (conf: 0.806, supp: 0.145, lift: 0.948, conv: 0.771)

{Response: 0} -> {Kidhome: 0} (conf: 0.547, supp: 0.465, lift: 0.977, conv: 0.971)

{Kidhome: 0} -> {Response: 0} (conf: 0.830, supp: 0.465, lift: 0.977, conv: 0.884)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.839, supp: 0.130, lift: 0.987, conv: 0.930)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.571, supp: 0.120, lift: 1.020, conv: 1.027)

{Kidhome: 1} -> {Response: 0} (conf: 0.867, supp: 0.360, lift: 1.021, conv: 1.132)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.575, supp: 0.115, lift: 1.027, conv: 1.035)

{Kidhome: 1, Marital\_Status: Single} -> {Response: 0} (conf: 0.875, supp: 0.105, lift: 1.029, conv: 1.200)

{Education: PhD} -> {Kidhome: 0} (conf: 0.583, supp: 0.105, lift: 1.042, conv: 1.056)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.585, supp: 0.240, lift: 1.045, conv: 1.061)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.890, supp: 0.365, lift: 1.047, conv: 1.367)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.603, supp: 0.220, lift: 1.076, conv: 1.108)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.917, supp: 0.220, lift: 1.078, conv: 1.800)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.952, supp: 0.200, lift: 1.120, conv: 3.150)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.958, supp: 0.115, lift: 1.127, conv: 3.600)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.537, supp: 0.220, lift: 1.154, conv: 1.154)

{Marital\_Status: Together} -> {Kidhome: 0, Response: 0} (conf: 0.548, supp: 0.115, lift: 1.178, conv: 1.183)

{Marital\_Status: Single, Response: 0} -> {Kidhome: 1} (conf: 0.600, supp: 0.105, lift: 1.446, conv: 1.462)

BEFORE:

NUM RULES: 48

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.714, supp: 0.100, lift: 0.821, conv: 0.455)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.725, supp: 0.145, lift: 0.833, conv: 0.473)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.506, supp: 0.210, lift: 0.865, conv: 0.840)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.517, supp: 0.155, lift: 0.876, conv: 0.848)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.518, supp: 0.145, lift: 0.878, conv: 0.850)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.527, supp: 0.195, lift: 0.901, conv: 0.877)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.536, supp: 0.150, lift: 0.916, conv: 0.894)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.538, supp: 0.140, lift: 0.920, conv: 0.899)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.550, supp: 0.165, lift: 0.940, conv: 0.922)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.826, supp: 0.285, lift: 0.950, conv: 0.747)

{Response: 0} -> {Kidhome: 0} (conf: 0.563, supp: 0.490, lift: 0.955, conv: 0.939)

{Kidhome: 0} -> {Response: 0} (conf: 0.831, supp: 0.490, lift: 0.955, conv: 0.767)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.564, supp: 0.285, lift: 0.957, conv: 0.941)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.575, supp: 0.115, lift: 0.975, conv: 0.965)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.577, supp: 0.205, lift: 0.987, conv: 0.982)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.578, supp: 0.130, lift: 0.988, conv: 0.983)

{Education: Master} -> {Response: 0} (conf: 0.861, supp: 0.155, lift: 0.990, conv: 0.936)

{Marital\_Status: Single} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.100, lift: 0.990, conv: 0.990)

{Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.150, lift: 0.990, conv: 0.990)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.130, lift: 0.990, conv: 0.990)

{Response: 0} -> {Education: Graduation} (conf: 0.580, supp: 0.505, lift: 0.992, conv: 0.989)

{Education: Graduation} -> {Response: 0} (conf: 0.863, supp: 0.505, lift: 0.992, conv: 0.951)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.582, supp: 0.285, lift: 0.994, conv: 0.992)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.865, supp: 0.225, lift: 0.995, conv: 0.966)

{Education: PhD} -> {Response: 0} (conf: 0.867, supp: 0.130, lift: 0.996, conv: 0.975)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.584, supp: 0.225, lift: 0.999, conv: 0.999)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.585, supp: 0.345, lift: 1.000, conv: 0.999)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.590, supp: 0.345, lift: 1.000, conv: 0.999)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.892, supp: 0.370, lift: 1.025, conv: 1.199)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.608, supp: 0.225, lift: 1.031, conv: 1.046)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.909, supp: 0.150, lift: 1.045, conv: 1.430)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.911, supp: 0.205, lift: 1.047, conv: 1.462)

{Kidhome: 1} -> {Education: Graduation, Response: 0} (conf: 0.532, supp: 0.205, lift: 1.054, conv: 1.059)

{Kidhome: 1} -> {Response: 0} (conf: 0.922, supp: 0.355, lift: 1.060, conv: 1.668)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.627, supp: 0.260, lift: 1.062, conv: 1.098)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.064, conv: 1.755)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.929, supp: 0.195, lift: 1.067, conv: 1.820)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.929, supp: 0.130, lift: 1.067, conv: 1.820)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.931, supp: 0.135, lift: 1.070, conv: 1.885)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.933, supp: 0.280, lift: 1.073, conv: 1.950)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.935, supp: 0.145, lift: 1.075, conv: 2.015)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.542, supp: 0.225, lift: 1.106, conv: 1.114)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.667, supp: 0.130, lift: 1.130, conv: 1.230)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.667, supp: 0.140, lift: 1.130, conv: 1.230)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.690, supp: 0.100, lift: 1.179, conv: 1.337)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.700, supp: 0.140, lift: 1.197, conv: 1.383)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.619, supp: 0.130, lift: 1.263, conv: 1.339)

{Response: 1} -> {Kidhome: 0} (conf: 0.769, supp: 0.100, lift: 1.304, conv: 1.777)

loss 1: 656 loss 2 : 1359

AFTER SUPPRESSION:

NUM RULES: 17

{Marital\_Status: Single} -> {Response: 0} (conf: 0.725, supp: 0.145, lift: 0.833, conv: 0.473)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.517, supp: 0.155, lift: 0.876, conv: 0.848)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.518, supp: 0.145, lift: 0.878, conv: 0.850)

{Response: 0} -> {Kidhome: 0} (conf: 0.563, supp: 0.490, lift: 0.955, conv: 0.939)

{Kidhome: 0} -> {Response: 0} (conf: 0.831, supp: 0.490, lift: 0.955, conv: 0.767)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.575, supp: 0.115, lift: 0.975, conv: 0.965)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.865, supp: 0.225, lift: 0.995, conv: 0.966)

{Education: PhD} -> {Response: 0} (conf: 0.867, supp: 0.130, lift: 0.996, conv: 0.975)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.892, supp: 0.370, lift: 1.025, conv: 1.199)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.608, supp: 0.225, lift: 1.031, conv: 1.046)

{Kidhome: 1} -> {Response: 0} (conf: 0.922, supp: 0.355, lift: 1.060, conv: 1.668)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.627, supp: 0.260, lift: 1.062, conv: 1.098)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.064, conv: 1.755)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.931, supp: 0.135, lift: 1.070, conv: 1.885)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.933, supp: 0.280, lift: 1.073, conv: 1.950)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.935, supp: 0.145, lift: 1.075, conv: 2.015)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.542, supp: 0.225, lift: 1.106, conv: 1.114)

BEFORE:

NUM RULES: 39

{Marital\_Status: Single} -> {Response: 0} (conf: 0.676, supp: 0.125, lift: 0.804, conv: 0.493)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.500, supp: 0.100, lift: 0.901, conv: 0.890)

{Education: PhD} -> {Response: 0} (conf: 0.758, supp: 0.125, lift: 0.902, conv: 0.660)

{Response: 0} -> {Kidhome: 0} (conf: 0.518, supp: 0.435, lift: 0.933, conv: 0.923)

{Kidhome: 0} -> {Response: 0} (conf: 0.784, supp: 0.435, lift: 0.933, conv: 0.740)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.505, supp: 0.280, lift: 0.934, conv: 0.928)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.519, supp: 0.280, lift: 0.934, conv: 0.924)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.513, supp: 0.200, lift: 0.950, conv: 0.944)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.528, supp: 0.140, lift: 0.952, conv: 0.943)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.804, supp: 0.225, lift: 0.957, conv: 0.815)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.517, supp: 0.225, lift: 0.958, conv: 0.953)

{Education: Master} -> {Response: 0} (conf: 0.806, supp: 0.145, lift: 0.959, conv: 0.823)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.534, supp: 0.155, lift: 0.963, conv: 0.956)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.538, supp: 0.210, lift: 0.970, conv: 0.964)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.541, supp: 0.100, lift: 0.974, conv: 0.969)

{Kidhome: 1, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.526, supp: 0.100, lift: 0.975, conv: 0.971)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.551, supp: 0.245, lift: 0.992, conv: 0.990)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.857, supp: 0.210, lift: 1.020, conv: 1.120)

{Response: 0} -> {Education: Graduation} (conf: 0.554, supp: 0.465, lift: 1.025, conv: 1.030)

{Education: Graduation} -> {Response: 0} (conf: 0.861, supp: 0.465, lift: 1.025, conv: 1.152)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.876, supp: 0.390, lift: 1.043, conv: 1.295)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.566, supp: 0.150, lift: 1.048, conv: 1.060)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.882, supp: 0.150, lift: 1.050, conv: 1.360)

{Education: Master} -> {Kidhome: 0} (conf: 0.583, supp: 0.105, lift: 1.051, conv: 1.068)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.895, supp: 0.170, lift: 1.065, conv: 1.520)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.903, supp: 0.140, lift: 1.075, conv: 1.653)

{Kidhome: 1} -> {Response: 0} (conf: 0.906, supp: 0.385, lift: 1.078, conv: 1.700)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.586, supp: 0.170, lift: 1.086, conv: 1.112)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.914, supp: 0.265, lift: 1.088, conv: 1.856)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.588, supp: 0.250, lift: 1.089, conv: 1.117)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.920, supp: 0.230, lift: 1.095, conv: 2.000)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.923, supp: 0.120, lift: 1.099, conv: 2.080)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.595, supp: 0.110, lift: 1.101, conv: 1.135)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.597, supp: 0.230, lift: 1.106, conv: 1.143)

{Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.517, supp: 0.150, lift: 1.112, conv: 1.108)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.976, supp: 0.200, lift: 1.161, conv: 6.560)

{Kidhome: 1} -> {Education: Graduation, Response: 0} (conf: 0.541, supp: 0.230, lift: 1.164, conv: 1.166)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.100, lift: 1.190, conv: 160000000.000)

{Response: 1} -> {Kidhome: 0} (conf: 0.750, supp: 0.120, lift: 1.351, conv: 1.780)

loss 1: 697 loss 2 : 1717

AFTER SUPPRESSION:

NUM RULES: 15

{Marital\_Status: Single} -> {Response: 0} (conf: 0.676, supp: 0.125, lift: 0.804, conv: 0.493)

{Response: 0} -> {Kidhome: 0} (conf: 0.518, supp: 0.435, lift: 0.933, conv: 0.923)

{Kidhome: 0} -> {Response: 0} (conf: 0.784, supp: 0.435, lift: 0.933, conv: 0.740)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 0} (conf: 0.528, supp: 0.140, lift: 0.952, conv: 0.943)

{Marital\_Status: Together} -> {Kidhome: 0} (conf: 0.534, supp: 0.155, lift: 0.963, conv: 0.956)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.538, supp: 0.210, lift: 0.970, conv: 0.964)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.541, supp: 0.100, lift: 0.974, conv: 0.969)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.551, supp: 0.245, lift: 0.992, conv: 0.990)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.857, supp: 0.210, lift: 1.020, conv: 1.120)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.876, supp: 0.390, lift: 1.043, conv: 1.295)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.895, supp: 0.170, lift: 1.065, conv: 1.520)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.903, supp: 0.140, lift: 1.075, conv: 1.653)

{Kidhome: 1} -> {Response: 0} (conf: 0.906, supp: 0.385, lift: 1.078, conv: 1.700)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.914, supp: 0.265, lift: 1.088, conv: 1.856)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.923, supp: 0.120, lift: 1.099, conv: 2.080)

BEFORE:

NUM RULES: 47

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.500, supp: 0.110, lift: 0.870, conv: 0.850)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.788, supp: 0.130, lift: 0.875, conv: 0.471)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.514, supp: 0.180, lift: 0.894, conv: 0.875)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.516, supp: 0.160, lift: 0.898, conv: 0.878)

{Marital\_Status: Together, Response: 0} -> {Education: Graduation} (conf: 0.517, supp: 0.155, lift: 0.899, conv: 0.879)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.814, supp: 0.175, lift: 0.904, conv: 0.537)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.531, supp: 0.170, lift: 0.924, conv: 0.907)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.532, supp: 0.250, lift: 0.925, conv: 0.908)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.833, supp: 0.250, lift: 0.926, conv: 0.600)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.538, supp: 0.105, lift: 0.936, conv: 0.921)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.550, supp: 0.300, lift: 0.957, conv: 0.945)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.522, supp: 0.300, lift: 0.957, conv: 0.951)

{Response: 0} -> {Kidhome: 0} (conf: 0.522, supp: 0.470, lift: 0.958, conv: 0.952)

{Kidhome: 0} -> {Response: 0} (conf: 0.862, supp: 0.470, lift: 0.958, conv: 0.727)

{Education: Master} -> {Response: 0} (conf: 0.875, supp: 0.140, lift: 0.972, conv: 0.800)

{Response: 0} -> {Education: Graduation} (conf: 0.561, supp: 0.505, lift: 0.976, conv: 0.968)

{Education: Graduation} -> {Response: 0} (conf: 0.878, supp: 0.505, lift: 0.976, conv: 0.821)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 0.985, conv: 0.880)

{Marital\_Status: Together} -> {Education: Graduation, Response: 0} (conf: 0.500, supp: 0.155, lift: 0.990, conv: 0.990)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.914, supp: 0.320, lift: 1.016, conv: 1.167)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.558, supp: 0.120, lift: 1.024, conv: 1.030)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.590, supp: 0.245, lift: 1.027, conv: 1.037)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.925, supp: 0.245, lift: 1.027, conv: 1.325)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.602, supp: 0.265, lift: 1.047, conv: 1.069)

{Education: PhD} -> {Response: 0} (conf: 0.943, supp: 0.165, lift: 1.048, conv: 1.750)

{Kidhome: 1} -> {Response: 0} (conf: 0.943, supp: 0.415, lift: 1.048, conv: 1.760)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.944, supp: 0.170, lift: 1.049, conv: 1.800)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.955, supp: 0.105, lift: 1.061, conv: 2.200)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.958, supp: 0.115, lift: 1.065, conv: 2.400)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.966, supp: 0.140, lift: 1.073, conv: 2.900)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.968, supp: 0.300, lift: 1.075, conv: 3.100)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.969, supp: 0.155, lift: 1.076, conv: 3.200)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.969, supp: 0.155, lift: 1.076, conv: 3.200)

{Kidhome: 1} -> {Education: Graduation, Response: 0} (conf: 0.557, supp: 0.245, lift: 1.103, conv: 1.117)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.609, supp: 0.195, lift: 1.118, conv: 1.165)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.611, supp: 0.110, lift: 1.121, conv: 1.170)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.618, supp: 0.105, lift: 1.133, conv: 1.190)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.629, supp: 0.220, lift: 1.153, conv: 1.225)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.516, supp: 0.160, lift: 1.173, conv: 1.157)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.517, supp: 0.155, lift: 1.174, conv: 1.159)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.557, supp: 0.195, lift: 1.185, conv: 1.197)

{Marital\_Status: Single} -> {Education: Graduation, Response: 0} (conf: 0.605, supp: 0.130, lift: 1.197, conv: 1.252)

{Education: Master} -> {Kidhome: 0} (conf: 0.656, supp: 0.105, lift: 1.204, conv: 1.324)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.500, supp: 0.155, lift: 1.205, conv: 1.170)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.583, supp: 0.105, lift: 1.241, conv: 1.272)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.743, supp: 0.130, lift: 1.292, conv: 1.653)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.767, supp: 0.165, lift: 1.335, conv: 1.827)

loss 1: 622 loss 2 : 1978

AFTER SUPPRESSION:

NUM RULES: 18

{Marital\_Status: Single} -> {Response: 0} (conf: 0.814, supp: 0.175, lift: 0.904, conv: 0.537)

{Response: 0} -> {Kidhome: 0} (conf: 0.522, supp: 0.470, lift: 0.958, conv: 0.952)

{Kidhome: 0} -> {Response: 0} (conf: 0.862, supp: 0.470, lift: 0.958, conv: 0.727)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.886, supp: 0.195, lift: 0.985, conv: 0.880)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.914, supp: 0.320, lift: 1.016, conv: 1.167)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.558, supp: 0.120, lift: 1.024, conv: 1.030)

{Education: PhD} -> {Response: 0} (conf: 0.943, supp: 0.165, lift: 1.048, conv: 1.750)

{Kidhome: 1} -> {Response: 0} (conf: 0.943, supp: 0.415, lift: 1.048, conv: 1.760)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.958, supp: 0.115, lift: 1.065, conv: 2.400)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.966, supp: 0.140, lift: 1.073, conv: 2.900)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.968, supp: 0.300, lift: 1.075, conv: 3.100)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.969, supp: 0.155, lift: 1.076, conv: 3.200)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.609, supp: 0.195, lift: 1.118, conv: 1.165)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.629, supp: 0.220, lift: 1.153, conv: 1.225)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.516, supp: 0.160, lift: 1.173, conv: 1.157)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.517, supp: 0.155, lift: 1.174, conv: 1.159)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.557, supp: 0.195, lift: 1.185, conv: 1.197)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.500, supp: 0.155, lift: 1.205, conv: 1.170)

BEFORE:

NUM RULES: 44

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.505, supp: 0.240, lift: 0.894, conv: 0.879)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.800, supp: 0.240, lift: 0.899, conv: 0.550)

{Marital\_Status: Together} -> {Education: Graduation} (conf: 0.508, supp: 0.155, lift: 0.899, conv: 0.884)

{Kidhome: 0, Marital\_Status: Married} -> {Education: Graduation} (conf: 0.511, supp: 0.120, lift: 0.904, conv: 0.889)

{Kidhome: 0, Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.513, supp: 0.100, lift: 0.908, conv: 0.893)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.505, supp: 0.240, lift: 0.910, conv: 0.899)

{Marital\_Status: Married, Response: 0} -> {Education: Graduation} (conf: 0.515, supp: 0.170, lift: 0.912, conv: 0.897)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.829, supp: 0.145, lift: 0.931, conv: 0.642)

{Marital\_Status: Married} -> {Education: Graduation} (conf: 0.526, supp: 0.200, lift: 0.932, conv: 0.918)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.830, supp: 0.195, lift: 0.932, conv: 0.646)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.833, supp: 0.100, lift: 0.936, conv: 0.660)

{Response: 0} -> {Education: Graduation} (conf: 0.534, supp: 0.475, lift: 0.945, conv: 0.933)

{Education: Graduation} -> {Response: 0} (conf: 0.841, supp: 0.475, lift: 0.945, conv: 0.691)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.850, supp: 0.170, lift: 0.955, conv: 0.733)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.541, supp: 0.300, lift: 0.957, conv: 0.947)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.531, supp: 0.300, lift: 0.957, conv: 0.949)

{Response: 0} -> {Kidhome: 0} (conf: 0.534, supp: 0.475, lift: 0.962, conv: 0.954)

{Kidhome: 0} -> {Response: 0} (conf: 0.856, supp: 0.475, lift: 0.962, conv: 0.763)

{Education: PhD} -> {Kidhome: 0} (conf: 0.538, supp: 0.105, lift: 0.970, conv: 0.964)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.868, supp: 0.330, lift: 0.976, conv: 0.836)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.882, supp: 0.225, lift: 0.991, conv: 0.935)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.562, supp: 0.225, lift: 0.996, conv: 0.994)

{Education: PhD} -> {Response: 0} (conf: 0.897, supp: 0.175, lift: 1.008, conv: 1.072)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.571, supp: 0.100, lift: 1.030, conv: 1.038)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.040, conv: 1.485)

{Kidhome: 1} -> {Response: 0} (conf: 0.930, supp: 0.400, lift: 1.045, conv: 1.577)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.593, supp: 0.255, lift: 1.050, conv: 1.069)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.935, supp: 0.145, lift: 1.051, conv: 1.705)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.500, supp: 0.100, lift: 1.053, conv: 1.050)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.588, supp: 0.100, lift: 1.060, conv: 1.081)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.591, supp: 0.195, lift: 1.065, conv: 1.088)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.513, supp: 0.195, lift: 1.080, conv: 1.078)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.600, supp: 0.120, lift: 1.081, conv: 1.112)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.963, supp: 0.130, lift: 1.082, conv: 2.970)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.967, supp: 0.295, lift: 1.087, conv: 3.355)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.970, supp: 0.160, lift: 1.090, conv: 3.630)

{Kidhome: 1} -> {Education: Graduation, Response: 0} (conf: 0.523, supp: 0.225, lift: 1.102, conv: 1.101)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.618, supp: 0.235, lift: 1.114, conv: 1.166)

{Education: Master} -> {Response: 0} (conf: 1.000, supp: 0.130, lift: 1.124, conv: 110000000.000)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.541, supp: 0.165, lift: 1.258, conv: 1.242)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.542, supp: 0.160, lift: 1.261, conv: 1.246)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.714, supp: 0.125, lift: 1.264, conv: 1.522)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.525, supp: 0.160, lift: 1.311, conv: 1.262)

{Education: PhD} -> {Marital\_Status: Married} (conf: 0.538, supp: 0.105, lift: 1.417, conv: 1.343)

loss 1: 654 loss 2 : 1399

AFTER SUPPRESSION:

NUM RULES: 17

{Marital\_Status: Single} -> {Response: 0} (conf: 0.829, supp: 0.145, lift: 0.931, conv: 0.642)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.830, supp: 0.195, lift: 0.932, conv: 0.646)

{Response: 0} -> {Kidhome: 0} (conf: 0.534, supp: 0.475, lift: 0.962, conv: 0.954)

{Kidhome: 0} -> {Response: 0} (conf: 0.856, supp: 0.475, lift: 0.962, conv: 0.763)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.868, supp: 0.330, lift: 0.976, conv: 0.836)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.571, supp: 0.100, lift: 1.030, conv: 1.038)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.926, supp: 0.125, lift: 1.040, conv: 1.485)

{Kidhome: 1} -> {Response: 0} (conf: 0.930, supp: 0.400, lift: 1.045, conv: 1.577)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.591, supp: 0.195, lift: 1.065, conv: 1.088)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.513, supp: 0.195, lift: 1.080, conv: 1.078)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.963, supp: 0.130, lift: 1.082, conv: 2.970)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.967, supp: 0.295, lift: 1.087, conv: 3.355)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.970, supp: 0.160, lift: 1.090, conv: 3.630)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.618, supp: 0.235, lift: 1.114, conv: 1.166)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.541, supp: 0.165, lift: 1.258, conv: 1.242)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.542, supp: 0.160, lift: 1.261, conv: 1.246)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.525, supp: 0.160, lift: 1.311, conv: 1.262)

BEFORE:

NUM RULES: 45

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.512, supp: 0.105, lift: 0.876, conv: 0.851)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.521, supp: 0.125, lift: 0.890, conv: 0.866)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.840, supp: 0.105, lift: 0.939, conv: 0.656)

{Education: Graduation, Response: 0} -> {Kidhome: 0} (conf: 0.549, supp: 0.250, lift: 0.939, conv: 0.921)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.847, supp: 0.250, lift: 0.947, conv: 0.688)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.854, supp: 0.205, lift: 0.954, conv: 0.720)

{Response: 0} -> {Kidhome: 0} (conf: 0.559, supp: 0.500, lift: 0.955, conv: 0.940)

{Kidhome: 0} -> {Response: 0} (conf: 0.855, supp: 0.500, lift: 0.955, conv: 0.723)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.862, supp: 0.125, lift: 0.963, conv: 0.761)

{Kidhome: 0, Response: 0} -> {Education: Graduation} (conf: 0.500, supp: 0.250, lift: 0.971, conv: 0.970)

{Kidhome: 1, Marital\_Status: Single} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 0.972, conv: 0.805)

{Kidhome: 0} -> {Education: Graduation} (conf: 0.504, supp: 0.295, lift: 0.979, conv: 0.978)

{Education: Graduation} -> {Kidhome: 0} (conf: 0.573, supp: 0.295, lift: 0.979, conv: 0.971)

{Education: PhD} -> {Response: 0} (conf: 0.878, supp: 0.180, lift: 0.981, conv: 0.861)

{Education: Master} -> {Response: 0} (conf: 0.882, supp: 0.150, lift: 0.986, conv: 0.892)

{Response: 0} -> {Education: Graduation} (conf: 0.508, supp: 0.455, lift: 0.987, conv: 0.987)

{Education: Graduation} -> {Response: 0} (conf: 0.883, supp: 0.455, lift: 0.987, conv: 0.901)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.887, supp: 0.235, lift: 0.991, conv: 0.927)

{Education: PhD} -> {Kidhome: 0} (conf: 0.585, supp: 0.120, lift: 1.001, conv: 1.001)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.519, supp: 0.200, lift: 1.009, conv: 1.009)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.016, conv: 1.155)

{Education: Graduation, Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.913, supp: 0.105, lift: 1.020, conv: 1.207)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.917, supp: 0.110, lift: 1.024, conv: 1.260)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.920, supp: 0.345, lift: 1.028, conv: 1.312)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.531, supp: 0.215, lift: 1.031, conv: 1.034)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.930, supp: 0.200, lift: 1.039, conv: 1.505)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.941, supp: 0.240, lift: 1.052, conv: 1.785)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.943, supp: 0.165, lift: 1.053, conv: 1.837)

{Education: Master} -> {Kidhome: 0} (conf: 0.618, supp: 0.105, lift: 1.056, conv: 1.085)

{Kidhome: 1} -> {Response: 0} (conf: 0.951, supp: 0.385, lift: 1.062, conv: 2.126)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.966, supp: 0.140, lift: 1.079, conv: 3.045)

{Education: Graduation, Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.636, supp: 0.105, lift: 1.088, conv: 1.141)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 1.000, supp: 0.100, lift: 1.117, conv: 105000000.000)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.657, supp: 0.115, lift: 1.123, conv: 1.210)

{Marital\_Status: Single} -> {Education: Graduation, Response: 0} (conf: 0.521, supp: 0.125, lift: 1.145, conv: 1.137)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.681, supp: 0.235, lift: 1.164, conv: 1.302)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.604, supp: 0.145, lift: 1.173, conv: 1.225)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.610, supp: 0.125, lift: 1.184, conv: 1.243)

{Education: Graduation, Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.600, supp: 0.105, lift: 1.200, conv: 1.250)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.707, supp: 0.265, lift: 1.208, conv: 1.415)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.627, supp: 0.235, lift: 1.253, conv: 1.339)

{Education: PhD} -> {Marital\_Status: Married} (conf: 0.512, supp: 0.105, lift: 1.366, conv: 1.281)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.569, supp: 0.145, lift: 1.404, conv: 1.379)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.549, supp: 0.140, lift: 1.426, conv: 1.364)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.583, supp: 0.140, lift: 1.440, conv: 1.428)

loss 1: 695 loss 2 : 1529

AFTER SUPPRESSION:

NUM RULES: 14

{Marital\_Status: Single, Response: 0} -> {Kidhome: 0} (conf: 0.512, supp: 0.105, lift: 0.876, conv: 0.851)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.521, supp: 0.125, lift: 0.890, conv: 0.866)

{Kidhome: 0, Marital\_Status: Single} -> {Response: 0} (conf: 0.840, supp: 0.105, lift: 0.939, conv: 0.656)

{Marital\_Status: Single} -> {Response: 0} (conf: 0.854, supp: 0.205, lift: 0.954, conv: 0.720)

{Response: 0} -> {Kidhome: 0} (conf: 0.559, supp: 0.500, lift: 0.955, conv: 0.940)

{Kidhome: 0} -> {Response: 0} (conf: 0.855, supp: 0.500, lift: 0.955, conv: 0.723)

{Kidhome: 1, Marital\_Status: Single} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 0.972, conv: 0.805)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.909, supp: 0.100, lift: 1.016, conv: 1.155)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.941, supp: 0.240, lift: 1.052, conv: 1.785)

{Kidhome: 1} -> {Response: 0} (conf: 0.951, supp: 0.385, lift: 1.062, conv: 2.126)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 0.966, supp: 0.140, lift: 1.079, conv: 3.045)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.569, supp: 0.145, lift: 1.404, conv: 1.379)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.549, supp: 0.140, lift: 1.426, conv: 1.364)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.583, supp: 0.140, lift: 1.440, conv: 1.428)

BEFORE:

NUM RULES: 32

{Marital\_Status: Single} -> {Response: 0} (conf: 0.761, supp: 0.175, lift: 0.890, conv: 0.606)

{Education: Master} -> {Response: 0} (conf: 0.800, supp: 0.140, lift: 0.936, conv: 0.725)

{Education: Graduation, Marital\_Status: Single} -> {Response: 0} (conf: 0.808, supp: 0.105, lift: 0.945, conv: 0.754)

{Response: 0} -> {Kidhome: 0} (conf: 0.544, supp: 0.465, lift: 0.963, conv: 0.954)

{Kidhome: 0} -> {Response: 0} (conf: 0.823, supp: 0.465, lift: 0.963, conv: 0.819)

{Education: PhD} -> {Response: 0} (conf: 0.837, supp: 0.180, lift: 0.979, conv: 0.891)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.565, supp: 0.130, lift: 1.000, conv: 1.000)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 1.017, conv: 1.112)

{Education: Graduation, Kidhome: 0} -> {Response: 0} (conf: 0.875, supp: 0.210, lift: 1.023, conv: 1.160)

{Education: Graduation} -> {Response: 0} (conf: 0.876, supp: 0.425, lift: 1.025, conv: 1.172)

{Education: PhD} -> {Kidhome: 0} (conf: 0.581, supp: 0.125, lift: 1.029, conv: 1.039)

{Education: Graduation, Marital\_Status: Married} -> {Response: 0} (conf: 0.886, supp: 0.155, lift: 1.036, conv: 1.269)

{Education: Graduation, Kidhome: 1} -> {Response: 0} (conf: 0.891, supp: 0.205, lift: 1.042, conv: 1.334)

{Kidhome: 1, Marital\_Status: Married} -> {Response: 0} (conf: 0.893, supp: 0.125, lift: 1.044, conv: 1.353)

{Kidhome: 0, Marital\_Status: Married} -> {Response: 0} (conf: 0.898, supp: 0.220, lift: 1.050, conv: 1.421)

{Marital\_Status: Married} -> {Response: 0} (conf: 0.899, supp: 0.355, lift: 1.051, conv: 1.432)

{Kidhome: 1} -> {Response: 0} (conf: 0.904, supp: 0.375, lift: 1.057, conv: 1.504)

{Education: Graduation, Marital\_Status: Together} -> {Response: 0} (conf: 0.913, supp: 0.105, lift: 1.068, conv: 1.667)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.917, supp: 0.220, lift: 1.072, conv: 1.740)

{Marital\_Status: Married, Response: 0} -> {Kidhome: 0} (conf: 0.620, supp: 0.220, lift: 1.097, conv: 1.144)

{Marital\_Status: Married} -> {Kidhome: 0} (conf: 0.620, supp: 0.245, lift: 1.098, conv: 1.145)

{Education: Master} -> {Kidhome: 0} (conf: 0.629, supp: 0.110, lift: 1.113, conv: 1.171)

{Kidhome: 1, Response: 0} -> {Education: Graduation} (conf: 0.547, supp: 0.205, lift: 1.127, conv: 1.136)

{Kidhome: 1} -> {Education: Graduation} (conf: 0.554, supp: 0.230, lift: 1.143, conv: 1.155)

{Marital\_Status: Single} -> {Education: Graduation} (conf: 0.565, supp: 0.130, lift: 1.165, conv: 1.184)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 1.000, supp: 0.120, lift: 1.170, conv: 145000000.000)

{Marital\_Status: Married} -> {Kidhome: 0, Response: 0} (conf: 0.557, supp: 0.220, lift: 1.198, conv: 1.208)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.500, supp: 0.120, lift: 1.205, conv: 1.170)

{Response: 1} -> {Kidhome: 0} (conf: 0.690, supp: 0.100, lift: 1.221, conv: 1.402)

{Marital\_Status: Single, Response: 0} -> {Education: Graduation} (conf: 0.600, supp: 0.105, lift: 1.237, conv: 1.287)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.545, supp: 0.120, lift: 1.314, conv: 1.287)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.500, supp: 0.120, lift: 1.333, conv: 1.250)

loss 1: 721 loss 2 : 1525

AFTER SUPPRESSION:

NUM RULES: 12

{Marital\_Status: Single} -> {Response: 0} (conf: 0.761, supp: 0.175, lift: 0.890, conv: 0.606)

{Response: 0} -> {Kidhome: 0} (conf: 0.544, supp: 0.465, lift: 0.963, conv: 0.954)

{Kidhome: 0} -> {Response: 0} (conf: 0.823, supp: 0.465, lift: 0.963, conv: 0.819)

{Marital\_Status: Single} -> {Kidhome: 0} (conf: 0.565, supp: 0.130, lift: 1.000, conv: 1.000)

{Kidhome: 0, Marital\_Status: Together} -> {Response: 0} (conf: 0.870, supp: 0.100, lift: 1.017, conv: 1.112)

{Kidhome: 1} -> {Response: 0} (conf: 0.904, supp: 0.375, lift: 1.057, conv: 1.504)

{Marital\_Status: Together} -> {Response: 0} (conf: 0.917, supp: 0.220, lift: 1.072, conv: 1.740)

{Kidhome: 1, Marital\_Status: Together} -> {Response: 0} (conf: 1.000, supp: 0.120, lift: 1.170, conv: 145000000.000)

{Marital\_Status: Together} -> {Kidhome: 1} (conf: 0.500, supp: 0.120, lift: 1.205, conv: 1.170)

{Response: 1} -> {Kidhome: 0} (conf: 0.690, supp: 0.100, lift: 1.221, conv: 1.402)

{Marital\_Status: Together, Response: 0} -> {Kidhome: 1} (conf: 0.545, supp: 0.120, lift: 1.314, conv: 1.287)

{Marital\_Status: Together} -> {Kidhome: 1, Response: 0} (conf: 0.500, supp: 0.120, lift: 1.333, conv: 1.250)