

Naïve Bayes vs. SuperParent (STUCCO)			
		Model	Effect
Rule	Population Group	Agreement	Size
1	age<=25	13.2%	366.5
2	age=(35,45]	-5.5%	-208.8
3	age=(45,55]	-4.2%	-109.4
4	age>55	-5.1%	-95.6
5	capitalgain=($\$3500$, $\$7500$)	-15.3%	-63.9
6	education=11th	10.3%	59.0
7	education=Assoc-voc	-9.1%	-59.3
8	education=Bachelors	3.8%	96.0
9	education=HS-grad	-4.0%	-197.7
10	education=Masters	6.4%	56.5
11	education=Some-college	-2.4%	-78.2
12	hoursperweek<20	9.5%	115.4
13	hoursperweek=(20,35]	6.4%	110.0
14	hoursperweek=(45,60]	-3.6%	-104.2
15	hoursperweek>60	-12.8%	-68.8
16	marital-status=Divorced	10.4%	216.3
17	marital-status=Married-civ-spouse	-13.6%	-952.6
18	marital-status=Never-married	12.5%	609.1
19	marital-status=Separated	11.2%	52.8
20	marital-status=Widowed	12.1%	54.7
21	native-country=United-States	-0.4%	-60.8
22	occupation=Adm-clerical	4.5%	82.4
23	occupation=Craft-repair	-15.4%	-307.1
24	occupation=Exec-managerial	2.6%	51.2
25	occupation=Farming-fishing	-7.8%	-38.4
26	occupation=Handlers-cleaners	11.4%	79.0
27	occupation=Machine-op-inspct	4.4%	44.3
28	occupation=Other-service	12.1%	192.3
29	occupation=Prof-specialty	3.8%	75.1
30	occupation=Transport-moving	-18.3%	-136.1
31	race=Black	7.4%	103.7
32	race=White	-0.8%	-109.3
33	relationship=Husband	-14.3%	-889.7
34	relationship=Not-in-family	11.0%	437.3
35	relationship=Other-relative	12.6%	58.1
36	relationship=Own-child	13.1%	283.4
37	relationship=Unmarried	11.8%	186.5
38	relationship=Wife	-11.0%	-75.6
39	salary< $\$50K$	2.7%	307.3
40	salary> $\$50K$	-8.3%	-307.3
41	sex=Female	9.3%	455.0
42	sex=Male	-4.5%	-455.0
43	workclass=Private	1.0%	111.6
44	workclass=Self-emp-not-inc	-10.1%	-131.6

45	age=(35,45] AND marital-status=Married-civ-spouse	-17.2%	-381.2
46	age=(35,45] AND relationship=Husband	-17.4%	-344.8
47	age=(35,45] AND salary>\$50K	-8.8%	-115.6
48	age=(45,55] AND marital-status=Married-civ-spouse	-13.1%	-210.9
49	age=(45,55] AND relationship=Husband	-13.4%	-194.6
50	age=(45,55] AND salary>\$50K	-5.5%	-55.7
51	age>55 AND marital-status=Married-civ-spouse	-14.9%	-166.6
52	age>55 AND relationship=Husband	-15.6%	-161.8
53	capitalgain=(\$3500,\$7500) AND marital-status=Never-married	-77.8%	-39.7
54	capitalgain=(\$3500,\$7500) AND relationship=Not-in-family	-67.1%	-46.9
55	capitalgain=(\$3500,\$7500) AND salary<\$50K	-39.0%	-75.3
56	capitalgain=(\$3500,\$7500) AND sex=Female	-57.1%	-51.9
57	education=Bachelors AND hoursperweek=(45,60]	9.0%	60.8
58	education=Bachelors AND sex=Female	4.8%	39.1
59	education=HS-grad AND marital-status=Married-civ-spouse	-23.7%	-539.5
60	education=HS-grad AND relationship=Husband	-27.0%	-543.6
61	education=Masters AND relationship=Husband	9.5%	41.2
62	education=Some-college AND marital-status=Married-civ-spouse	-24.9%	-320.9
63	education=Some-college AND relationship=Husband	-27.2%	-306.8
64	education=Some-college AND salary>\$50K	-19.3%	-126.0
65	hoursperweek=(45,60] AND education=HS-grad	-17.3%	-141.3
66	hoursperweek=(45,60] AND marital-status=Married-civ-spouse	-11.2%	-200.2
67	hoursperweek=(45,60] AND relationship=Husband	-11.1%	-189.7
68	hoursperweek=(45,60] AND salary<\$50K	-5.6%	-92.0
69	hoursperweek=(45,60] AND sex=Male	-5.8%	-138.7
70	marital-status=Married-civ-spouse AND capitalgain=\$0	-16.0%	-986.1
71	marital-status=Married-civ-spouse AND salary<\$50K	-16.7%	-640.4
72	marital-status=Married-civ-spouse AND sex=Male	-14.1%	-884.9
73	marital-status=Married-civ-spouse AND workclass=Private	-14.3%	-667.3
74	marital-status=Never-married AND capitalgain=\$0	13.7%	640.7
75	occupation=Adm-clerical AND education=HS-grad	8.5%	57.4
76	occupation=Adm-clerical AND marital-status=Married-civ-spouse	-16.4%	-82.0
77	occupation=Adm-clerical AND relationship=Husband	-25.9%	-82.3
78	occupation=Adm-clerical AND sex=Male	-8.3%	-49.6
79	occupation=Craft-repair AND sex=Male	-16.7%	-315.3
80	occupation=Exec-managerial AND hoursperweek=(45,60]	7.7%	51.0
81	occupation=Prof-specialty AND relationship=Husband	4.4%	38.0
82	occupation=Prof-specialty AND sex=Male	4.3%	53.8
83	relationship=Husband AND capitalgain=\$0	-16.9%	-927.4
84	relationship=Husband AND salary<\$50K	-18.9%	-637.0
85	relationship=Husband AND workclass=Private	-15.5%	-637.1
86	relationship=Not-in-family AND capitalgain=\$0	12.5%	462.2
87	relationship=Not-in-family AND marital-status=Never-married	11.4%	256.3
88	relationship=Wife AND marital-status=Married-civ-spouse	-10.8%	-72.9

89	salary<\$50K AND sex=Male	-2.8%	-198.6
90	salary>\$50K AND capitalgain=\$0	-12.0%	-350.4
91	salary>\$50K AND education=HS-grad	-23.3%	-186.2
92	salary>\$50K AND marital-status=Married-civ-spouse	-9.9%	-312.2
93	salary>\$50K AND relationship=Husband	-8.9%	-252.6
94	salary>\$50K AND sex=Male	-8.2%	-256.4
95	salary>\$50K AND workclass=Private	-11.4%	-270.7
96	sex=Female AND capitalgain=\$0	10.6%	491.3
97	sex=Female AND education=HS-grad	11.5%	179.4
98	sex=Female AND marital-status=Married-civ-spouse	-9.2%	-67.7
99	sex=Female AND salary<\$50K	11.6%	505.9
100	sex=Female AND salary>\$50K	-9.1%	-51.0
101	sex=Male AND capitalgain=\$0	-5.1%	-469.2
102	workclass=Self-emp-not-inc AND marital-status=Married-civ-spouse	-20.4%	-175.3
103	workclass=Self-emp-not-inc AND relationship=Husband	-21.1%	-166.5
104	workclass=Self-emp-not-inc AND salary<\$50K	-11.1%	-105.2
105	age=(25,35] AND education=HS-grad AND hoursperweek=(35,45]	7.6%	69.3
106	age=(25,35] AND education=HS-grad AND marital-status=Married-civ-spouse	-11.2%	-68.9
107	age=(25,35] AND education=HS-grad AND relationship=Husband	-13.0%	-69.8
108	age=(25,35] AND education=HS-grad AND salary<\$50K	5.5%	66.6
109	age=(25,35] AND education=HS-grad AND workclass=Private	4.8%	52.9
110	age=(25,35] AND hoursperweek=(35,45] AND capitalgain=\$0	3.5%	84.1
111	age=(25,35] AND hoursperweek=(35,45] AND salary<\$50K	6.2%	130.6
112	age=(25,35] AND hoursperweek=(35,45] AND workclass=Private	4.4%	91.7
113	age=(25,35] AND salary>\$50K AND capitalloss=\$0	-13.4%	-92.6
114	age=(25,35] AND salary>\$50K AND marital-status=Married-civ-spouse	-14.8%	-96.5
115	age=(35,45] AND workclass=Private AND capitalgain=\$0	-7.1%	-166.9
116	age=(35,45] AND workclass=Private AND race=White	-8.3%	-187.1
117	age>55 AND salary>\$50K AND race=White	-7.9%	-39.7
118	education=Bachelors AND sex=Male AND native-country=United-States	3.8%	60.5
119	education=Bachelors AND sex=Male AND race=White	4.3%	66.4
120	education=HS-grad AND marital-status=Married-civ-spouse AND salary<\$50K	-22.8%	-355.3
121	education=HS-grad AND relationship=Husband AND salary<\$50K	-26.4%	-360.1
122	education=Some-college AND hoursperweek=(35,45] AND sex=Male	-13.2%	-149.6
123	hoursperweek=(35,45] AND salary<\$50K AND capitalgain=\$0	3.7%	237.2

124	hoursperweek=(45,60] AND age=(25,35] AND marital-status=Married-civ-spouse	-20.5%	-91.2
125	hoursperweek=(45,60] AND age=(25,35] AND relationship=Husband	-20.4%	-86.2
126	hoursperweek=(45,60] AND age=(35,45] AND sex=Male	-5.2%	-40.9
127	hoursperweek=(45,60] AND workclass=Private AND capitalgain=\$0	-5.9%	-101.0
128	marital-status=Married-civ-spouse AND native-country=United-States AND capitalloss=\$0	-15.9%	-951.2
129	occupation=Adm-clerical AND salary<\$50K AND capitalgain=\$0	9.6%	144.1
130	occupation=Craft-repair AND age=(25,35] AND marital-status=Married-civ-spouse	-17.5%	-61.0
131	occupation=Craft-repair AND age=(25,35] AND relationship=Husband	-18.4%	-62.3
132	occupation=Craft-repair AND salary<\$50K AND marital-status=Married-civ-spouse	-30.9%	-255.9
133	occupation=Craft-repair AND salary<\$50K AND relationship=Husband	-31.8%	-256.9
134	occupation=Exec-managerial AND salary>\$50K AND relationship=Husband	5.6%	40.0
135	occupation=Transport-moving AND hoursperweek=(35,45] AND sex=Male	-13.8%	-53.8
136	occupation=Transport-moving AND salary<\$50K AND sex=Male	-14.9%	-82.4
137	relationship=Husband AND native-country=United-States AND capitalloss=\$0	-16.9%	-897.1
138	salary<\$50K AND workclass=Private AND capitalgain=\$0	5.1%	422.1
139	salary<\$50K AND workclass=Private AND capitalloss=\$0	4.5%	378.4
140	salary>\$50K AND hoursperweek=(35,45] AND capitalloss=\$0	-13.7%	-253.2
141	salary>\$50K AND hoursperweek=(35,45] AND relationship=Husband	-14.0%	-218.4
142	age=(35,45] AND education=HS-grad AND marital-status=Married-civ-spouse AND sex=Male	-37.3%	-221.6
143	age=(35,45] AND education=HS-grad AND race=White AND capitalgain=\$0	-18.0%	-162.2
144	age=(35,45] AND education=HS-grad AND relationship=Husband AND capitalgain=\$0	-42.7%	-226.7
145	age=(35,45] AND education=HS-grad AND relationship=Husband AND capitalloss=\$0	-39.5%	-223.0
146	age=(35,45] AND education=HS-grad AND salary<\$50K AND marital-status=Married-civ-spouse	-38.0%	-155.2
147	age=(35,45] AND education=HS-grad AND salary<\$50K AND relationship=Husband	-42.4%	-157.5
148	age=(35,45] AND education=HS-grad AND sex=Male AND capitalgain=\$0	-25.6%	-195.9
149	age=(35,45] AND education=HS-grad AND sex=Male AND capitalloss=\$0	-24.1%	-193.5

150	age=(35,45] AND education=HS-grad AND sex=Male AND race=White	-25.5%	-189.4
151	age=(35,45] AND education=HS-grad AND workclass=Private AND sex=Male	-22.6%	-142.5
152	age=(35,45] AND salary<\$50K AND relationship=Husband AND native-country=United-States	-29.4%	-250.6
153	age=(35,45] AND salary<\$50K AND workclass=Private AND capitalloss=\$0	-3.6%	-62.0
154	age=(35,45] AND workclass=Private AND native-country=United-States AND capitalloss=\$0	-8.0%	-179.6
155	age=(45,55] AND education=HS-grad AND marital-status=Married-civ-spouse AND capitalloss=\$0	-32.7%	-158.5
156	age=(45,55] AND education=HS-grad AND marital-status=Married-civ-spouse AND sex=Male	-33.7%	-153.5
157	age=(45,55] AND education=HS-grad AND sex=Male AND capitalloss=\$0	-23.5%	-135.2
158	age=(45,55] AND education=HS-grad AND workclass=Private AND sex=Male	-25.2%	-105.6
159	age=(45,55] AND hoursperweek=(35,45] AND relationship=Husband AND workclass=Private	-24.2%	-131.8
160	age>55 AND salary<\$50K AND sex=Male AND capitalloss=\$0	-15.3%	-114.7
161	education=Bachelors AND salary>\$50K AND relationship=Husband AND race=White	5.7%	41.0
162	education=HS-grad AND hoursperweek=(35,45] AND marital-status=Married-civ-spouse AND workclass=Private	-19.3%	-213.4
163	education=HS-grad AND hoursperweek=(35,45] AND relationship=Husband AND workclass=Private	-23.0%	-226.0
164	hoursperweek=(20,35] AND workclass=Private AND capitalgain=\$0 AND capitalloss=\$0	11.2%	134.4
165	hoursperweek=(45,60] AND age=(35,45] AND marital-status=Married-civ-spouse AND race=White	-8.4%	-50.4
166	hoursperweek=(45,60] AND age=(35,45] AND workclass=Private AND capitalgain=\$0	-7.6%	-39.1
167	hoursperweek=(45,60] AND salary>\$50K AND capitalgain=\$0 AND capitalloss=\$0	-5.8%	-47.7
168	hoursperweek=(45,60] AND salary>\$50K AND workclass=Private AND capitalgain=\$0	-7.0%	-42.1
169	occupation=Craft-repair AND age=(35,45] AND capitalgain=\$0 AND capitalloss=\$0	-32.5%	-172.0
170	occupation=Craft-repair AND age=(35,45] AND native-country=United-States AND capitalgain=\$0	-34.1%	-167.4
171	occupation=Exec-managerial AND salary>\$50K AND sex=Male AND marital-status=Married-civ-spouse	5.6%	40.2
172	occupation=Prof-specialty AND salary>\$50K AND sex=Male AND marital-status=Married-civ-spouse	8.6%	52.1
173	age=(25,35] AND marital-status=Married-civ-spouse AND salary<\$50K AND workclass=Private AND race=White	-10.1%	-76.5

174	age=(25,35] AND relationship=Husband AND salary<\$50K AND workclass=Private AND race=White	-12.1%	-79.5
175	age=(45,55] AND education=HS-grad AND workclass=Private AND capitalgain=\$0 AND capitalloss=\$0	-15.6%	-85.4
176	age=(45,55] AND education=HS-grad AND workclass=Private AND native-country=United-States AND capitalgain=\$0	-16.4%	-86.8
177	age=(45,55] AND education=HS-grad AND workclass=Private AND race=White AND capitalgain=\$0	-17.3%	-85.9
178	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND capitalgain=\$0 AND capitalloss=\$0	-8.7%	-81.2
179	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND capitalgain=\$0 AND native-country=United-States	-9.2%	-81.1
180	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND native-country=United-States AND capitalloss=\$0	-9.5%	-87.9
181	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND race=White AND capitalgain=\$0	-10.3%	-87.1
182	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND race=White AND capitalloss=\$0	-10.2%	-91.0
183	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND race=White AND native-country=United-States	-10.6%	-91.0
184	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND sex=Male AND capitalgain=\$0	-16.5%	-111.2
185	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND sex=Male AND capitalloss=\$0	-16.1%	-113.6
186	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND sex=Male AND native-country=United-States	-16.4%	-111.0
187	age=(45,55] AND hoursperweek=(35,45] AND workclass=Private AND sex=Male AND race=White	-17.2%	-113.5
188	age=(45,55] AND salary<\$50K AND workclass=Private AND sex=Male AND capitalgain=\$0	-10.8%	-69.6
189	occupation=Exec-managerial AND salary>\$50K AND sex=Male AND race=White AND native-country=United-States	5.7%	40.4
190	occupation=Sales AND sex=Male AND workclass=Private AND capitalgain=\$0 AND capitalloss=\$0	-10.6%	-75.1
191	age=(45,55] AND salary<\$50K AND hoursperweek=(35,45] AND race=White AND capitalgain=\$0 AND capitalloss=\$0	-5.9%	-47.2
192	age=(45,55] AND salary<\$50K AND workclass=Private AND sex=Male AND native-country=United-States AND capitalloss=\$0	-13.2%	-75.5