Data Mining P1

By Roman Pochinoks

Question 1

age: Age of the individual represented by the respondent in the 1990 census reported in integer years

workclass: Employment status of the individual represented by the respondent from a set of categories: Private, Self-emp-not-inc, Self-emp-inc, Federal-gov, Local-gov, State-gov, Without-pay, Never-worked

fnlwgt: The final weight of the data which is an estimation of the number of U.S. citizens that the represents respondent in the census

education: The highest level of educational attained by the respondent represented in an of categories in the 1990 census: Bachelors, Some-college, 11th, HS-grad, Prof-school, Assoc-acdm, Assoc-voc, 9th, 7th-8th, 12th, Masters, 1st-4th, 10th, Doctorate, 5th-6th, Preschool

education-num: A numeric representation of the education category reported in the education variable

marital-status: The marital status reported by the individual in the 1990 U.S. census selected from a set of categories: Married-civ-spouse, Divorced, Never-married, Separated, Widowed, Married-spouse-absent, Married-AF-spouse

occupation: The occupation reported qualifying for the individual in the 1990 U.S. census which is similar to the workclass variable

relationship: Relationship status reported by the individual in the 1990 census selected from a set of qualitative categories: Wife, Own-child, Husband, Not-in-family, Other-relative, Unmarried

race: Race reported by the respondent in the 1990 census reported qualitatively and selected from a set of categories: White, Asian-Pac-Islander, Amer-Indian-Eskimo, Other, Black

sex: Sex reported by the individual in 1990 census selected from two options: Female, Male

capital-gain: Capital gains reported by the individual in the 1990 U.S. census recorded in integer dollars.

capital-loss: Capital gains reported by the individual in the 1990 U.S. census recorded in integer dollars.

hours-per-week: Hours worked per week reported by the individual in the 1990 U.S. census recorded in integer hours

native-country: Native country reported by the respondent in the census at a date in time.

priority-income: Reported by the individual respondent in the 1990 U.S. census as either >50K or <=50K U.S. dollars per year.

a) To the nearest years report missing data ?

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age workclass education education-num marital-status occupation relationship race sex capital-gain capital-loss hours-per-week native-country priority-income
0  39         ?   Bachelors            13        Married-civ-spouse         ?        Husband  White   M         2174            0              40         United-States           <=50K
1  50  Self-emp-not-inc   Bachelors            13   Divorced-spouse  Exec-managerial   Not-in-family  White   F            0            0              13         United-States           <=50K
2  38           Private     HS-grad             9        Married-AF-spouse  Farming-fishing        Wife  White   F            0            0              40         United-States           <=50K
3  53           Private        11th             7        Married-AF-spouse  Farming-fishing        Wife  Black   F            0            0              40                 Haiti           <=50K
4  28           Private   Bachelors            13        Married-AF-spouse  Prof-specialty        Wife  Black   F            0            0              40                 Cuba           <=50K
5  37           Private     Masters            14        Married-AF-spouse    Exec-managerial        Wife  White   F            0            0              60         United-States           <=50K
6  49           Private         9th             5   Married-spouse-absent     Other-service   Not-in-family  Black   F            0            0              16            Jamaica           <=50K
7  52  Self-emp-not-inc     HS-grad             9        Married-AF-spouse  Exec-managerial         Husband  White   M            0            0              45         United-States            >50K
8  31           Private     Masters            14             Never-married    Prof-specialty   Not-in-family  White   F        14084            0              50         United-States            >50K
9  42           Private   Bachelors            13        Married-AF-spouse    Exec-managerial         Husband  White   M         5178            0              40         United-States            >50K
10  37           Private Some-college            10        Married-AF-spouse       Sales         Husband  Black   M            0            0              80         United-States            >50K
11  30           Local-gov   Bachelors            13        Married-AF-spouse  Prof-specialty         Husband  Asian   M         5013            0              40             Japan            >50K
12  23           Private Some-college            10             Never-married    Adm-clerical       Own-child  White   F            0            0              30         United-States           <=50K
13  32           Private          7th             4        Married-AF-spouse   Machine-op-inspct         Husband  White   M            0            0              40            Mexico           <=50K
14  34           Private     HS-grad             9   Divorced-spouse-absent     Other-service   Not-in-family  White   F            0            0              35         United-States           <=50K
15  25  Self-emp-not-inc Some-college            10             Never-married    Farming-fishing       Own-child  White   M            0            0              35         United-States           <=50K
16  32           Private   Bachelors            13             Never-married       Sales   Not-in-family  White   F            0            0              40         United-States           <=50K
17  38           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              50         United-States           <=50K
18  43           Private Some-college            10        Married-AF-spouse    Exec-managerial        Wife  White   F            0            0              45         United-States            >50K
19  40           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              40         United-States            >50K
20  43           Private   Bachelors            13             Never-married       Sales   Not-in-family  White   F            0            0              40         United-States           <=50K
21  80           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M         4386         1902              40         United-States            >50K
22  43           Private Some-college            10        Married-AF-spouse       Sales         Husband  White   M            0            0              45         United-States            >50K
23  65           Private   Bachelors            13        Married-AF-spouse    Exec-managerial         Husband  White   M         3103            0              60         United-States            >50K
24  43           Private   Bachelors            13   Divorced-spouse-absent    Prof-specialty   Not-in-family  White   F            0            0              40         United-States           <=50K
25  43           Private     Masters            14             Never-married    Prof-specialty       Own-child  White   F            0            0              40         United-States           <=50K
26  80           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M         3103            0              24         United-States            >50K
27  18           Private Some-college            10             Never-married       Sales       Own-child  White   F            0            0              30         United-States           <=50K
28  29           Private   Bachelors            13             Never-married    Prof-specialty       Own-child  Black   M            0            0              40         United-States           <=50K
29  62           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              40         United-States           <=50K
30  26           Private Some-college            10             Never-married       Sales       Own-child  Black   M            0            0              40         United-States           <=50K
31  62           Private     HS-grad             9        Married-AF-spouse       Sales         Husband  White   M            0            0              40         United-States            >50K
32  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
33  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
34  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
35  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
36  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
37  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
38  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
39  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
40  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
41  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
42  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
43  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
44  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
45  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
46  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
47  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
48  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
49  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
50  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
51  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
52  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
53  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
54  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
55  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
56  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
57  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
58  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
59  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
60  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
61  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
62  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
63  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
64  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
65  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
66  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
67  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
68  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
69  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
70  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
71  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
72  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
73  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
74  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
75  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
76  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
77  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
78  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
79  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
80  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
81  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
82  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
83  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
84  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
85  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
86  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
87  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
88  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
89  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
90  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
91  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
92  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
93  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
94  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
95  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
96  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
97  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
98  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
99  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
100  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
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b)

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age workclass education education-num marital-status occupation relationship race sex capital-gain capital-loss hours-per-week native-country priority-income
0  39         ?   Bachelors            13        Married-civ-spouse         ?        Husband  White   M         2174            0              40         United-States           <=50K
1  50  Self-emp-not-inc   Bachelors            13   Divorced-spouse  Exec-managerial   Not-in-family  White   F            0            0              13         United-States           <=50K
2  38           Private     HS-grad             9        Married-AF-spouse  Farming-fishing        Wife  White   F            0            0              40         United-States           <=50K
3  53           Private        11th             7        Married-AF-spouse  Farming-fishing        Wife  Black   F            0            0              40                 Haiti           <=50K
4  28           Private   Bachelors            13        Married-AF-spouse  Prof-specialty        Wife  Black   F            0            0              40                 Cuba           <=50K
5  37           Private     Masters            14        Married-AF-spouse    Exec-managerial        Wife  White   F            0            0              60         United-States           <=50K
6  49           Private         9th             5   Married-spouse-absent     Other-service   Not-in-family  Black   F            0            0              16            Jamaica           <=50K
7  52  Self-emp-not-inc     HS-grad             9        Married-AF-spouse  Exec-managerial         Husband  White   M            0            0              45         United-States            >50K
8  31           Private     Masters            14             Never-married    Prof-specialty   Not-in-family  White   F        14084            0              50         United-States            >50K
9  42           Private   Bachelors            13        Married-AF-spouse    Exec-managerial         Husband  White   M         5178            0              40         United-States            >50K
10  37           Private Some-college            10        Married-AF-spouse       Sales         Husband  Black   M            0            0              80         United-States            >50K
11  30           Local-gov   Bachelors            13        Married-AF-spouse  Prof-specialty         Husband  Asian   M         5013            0              40             Japan            >50K
12  23           Private Some-college            10             Never-married    Adm-clerical       Own-child  White   F            0            0              30         United-States           <=50K
13  32           Private          7th             4        Married-AF-spouse   Machine-op-inspct         Husband  White   M            0            0              40            Mexico           <=50K
14  34           Private     HS-grad             9   Divorced-spouse-absent     Other-service   Not-in-family  White   F            0            0              35         United-States           <=50K
15  25  Self-emp-not-inc Some-college            10             Never-married    Farming-fishing       Own-child  White   M            0            0              35         United-States           <=50K
16  32           Private   Bachelors            13             Never-married       Sales   Not-in-family  White   F            0            0              40         United-States           <=50K
17  38           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              50         United-States           <=50K
18  43           Private Some-college            10        Married-AF-spouse    Exec-managerial        Wife  White   F            0            0              45         United-States            >50K
19  40           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              40         United-States            >50K
20  43           Private   Bachelors            13             Never-married       Sales   Not-in-family  White   F            0            0              40         United-States           <=50K
21  80           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M         4386         1902              40         United-States            >50K
22  43           Private Some-college            10        Married-AF-spouse       Sales         Husband  White   M            0            0              45         United-States            >50K
23  65           Private   Bachelors            13        Married-AF-spouse    Exec-managerial         Husband  White   M         3103            0              60         United-States            >50K
24  43           Private   Bachelors            13   Divorced-spouse-absent    Prof-specialty   Not-in-family  White   F            0            0              40         United-States           <=50K
25  43           Private     Masters            14             Never-married    Prof-specialty       Own-child  White   F            0            0              40         United-States           <=50K
26  80           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M         3103            0              24         United-States            >50K
27  18           Private Some-college            10             Never-married       Sales       Own-child  White   F            0            0              30         United-States           <=50K
28  29           Private   Bachelors            13             Never-married    Prof-specialty       Own-child  Black   M            0            0              40         United-States           <=50K
29  62           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              40         United-States           <=50K
30  26           Private Some-college            10             Never-married       Sales       Own-child  Black   M            0            0              40         United-States           <=50K
31  62           Private     HS-grad             9        Married-AF-spouse       Sales         Husband  White   M            0            0              40         United-States            >50K
32  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
33  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
34  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
35  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
36  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
37  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
38  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
39  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
40  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
41  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
42  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
43  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
44  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
45  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
46  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
47  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
48  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
49  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
50  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
51  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
52  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
53  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
54  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
55  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
56  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
57  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
58  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
59  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
60  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
61  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
62  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
63  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
64  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
65  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
66  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
67  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
68  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
69  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
70  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
71  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
72  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
73  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
74  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
75  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
76  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
77  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
78  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
79  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
80  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
81  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
82  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
83  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
84  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
85  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
86  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
87  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
88  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
89  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
90  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
91  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
92  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
93  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
94  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
95  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
96  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
97  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
98  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
99  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
100  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
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c)

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age workclass education education-num marital-status occupation relationship race sex capital-gain capital-loss hours-per-week native-country priority-income
0  39         ?   Bachelors            13        Married-civ-spouse         ?        Husband  White   M         2174            0              40         United-States           <=50K
1  50  Self-emp-not-inc   Bachelors            13   Divorced-spouse  Exec-managerial   Not-in-family  White   F            0            0              13         United-States           <=50K
2  38           Private     HS-grad             9        Married-AF-spouse  Farming-fishing        Wife  White   F            0            0              40         United-States           <=50K
3  53           Private        11th             7        Married-AF-spouse  Farming-fishing        Wife  Black   F            0            0              40                 Haiti           <=50K
4  28           Private   Bachelors            13        Married-AF-spouse  Prof-specialty        Wife  Black   F            0            0              40                 Cuba           <=50K
5  37           Private     Masters            14        Married-AF-spouse    Exec-managerial        Wife  White   F            0            0              60         United-States           <=50K
6  49           Private         9th             5   Married-spouse-absent     Other-service   Not-in-family  Black   F            0            0              16            Jamaica           <=50K
7  52  Self-emp-not-inc     HS-grad             9        Married-AF-spouse  Exec-managerial         Husband  White   M            0            0              45         United-States            >50K
8  31           Private     Masters            14             Never-married    Prof-specialty   Not-in-family  White   F        14084            0              50         United-States            >50K
9  42           Private   Bachelors            13        Married-AF-spouse    Exec-managerial         Husband  White   M         5178            0              40         United-States            >50K
10  37           Private Some-college            10        Married-AF-spouse       Sales         Husband  Black   M            0            0              80         United-States            >50K
11  30           Local-gov   Bachelors            13        Married-AF-spouse  Prof-specialty         Husband  Asian   M         5013            0              40             Japan            >50K
12  23           Private Some-college            10             Never-married    Adm-clerical       Own-child  White   F            0            0              30         United-States           <=50K
13  32           Private          7th             4        Married-AF-spouse   Machine-op-inspct         Husband  White   M            0            0              40            Mexico           <=50K
14  34           Private     HS-grad             9   Divorced-spouse-absent     Other-service   Not-in-family  White   F            0            0              35         United-States           <=50K
15  25  Self-emp-not-inc Some-college            10             Never-married    Farming-fishing       Own-child  White   M            0            0              35         United-States           <=50K
16  32           Private   Bachelors            13             Never-married       Sales   Not-in-family  White   F            0            0              40         United-States           <=50K
17  38           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              50         United-States           <=50K
18  43           Private Some-college            10        Married-AF-spouse    Exec-managerial        Wife  White   F            0            0              45         United-States            >50K
19  40           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              40         United-States            >50K
20  43           Private   Bachelors            13             Never-married       Sales   Not-in-family  White   F            0            0              40         United-States           <=50K
21  80           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M         4386         1902              40         United-States            >50K
22  43           Private Some-college            10        Married-AF-spouse       Sales         Husband  White   M            0            0              45         United-States            >50K
23  65           Private   Bachelors            13        Married-AF-spouse    Exec-managerial         Husband  White   M         3103            0              60         United-States            >50K
24  43           Private   Bachelors            13   Divorced-spouse-absent    Prof-specialty   Not-in-family  White   F            0            0              40         United-States           <=50K
25  43           Private     Masters            14             Never-married    Prof-specialty       Own-child  White   F            0            0              40         United-States           <=50K
26  80           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M         3103            0              24         United-States            >50K
27  18           Private Some-college            10             Never-married       Sales       Own-child  White   F            0            0              30         United-States           <=50K
28  29           Private   Bachelors            13             Never-married    Prof-specialty       Own-child  Black   M            0            0              40         United-States           <=50K
29  62           Private     HS-grad             9        Married-AF-spouse  Machine-op-inspct         Husband  White   M            0            0              40         United-States           <=50K
30  26           Private Some-college            10             Never-married       Sales       Own-child  Black   M            0            0              40         United-States           <=50K
31  62           Private     HS-grad             9        Married-AF-spouse       Sales         Husband  White   M            0            0              40         United-States            >50K
32  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
33  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
34  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
35  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
36  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
37  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
38  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
39  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
40  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
41  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
42  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
43  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
44  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
45  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
46  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
47  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
48  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
49  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
50  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
51  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
52  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
53  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
54  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
55  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
56  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
57  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
58  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
59  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
60  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
61  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
62  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
63  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
64  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
65  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
66  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
67  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
68  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
69  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
70  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
71  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
72  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
73  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
74  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
75  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
76  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
77  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
78  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
79  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
80  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
81  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
82  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
83  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
84  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
85  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
86  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
87  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
88  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
89  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
90  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
91  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
92  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
93  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
94  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
95  26           Private     HS-grad             9             Never-married       Sales       Own-child  White   M            0            0              40         United-States           <=50K
96  26           Private     HS-grad             9             Never-married
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