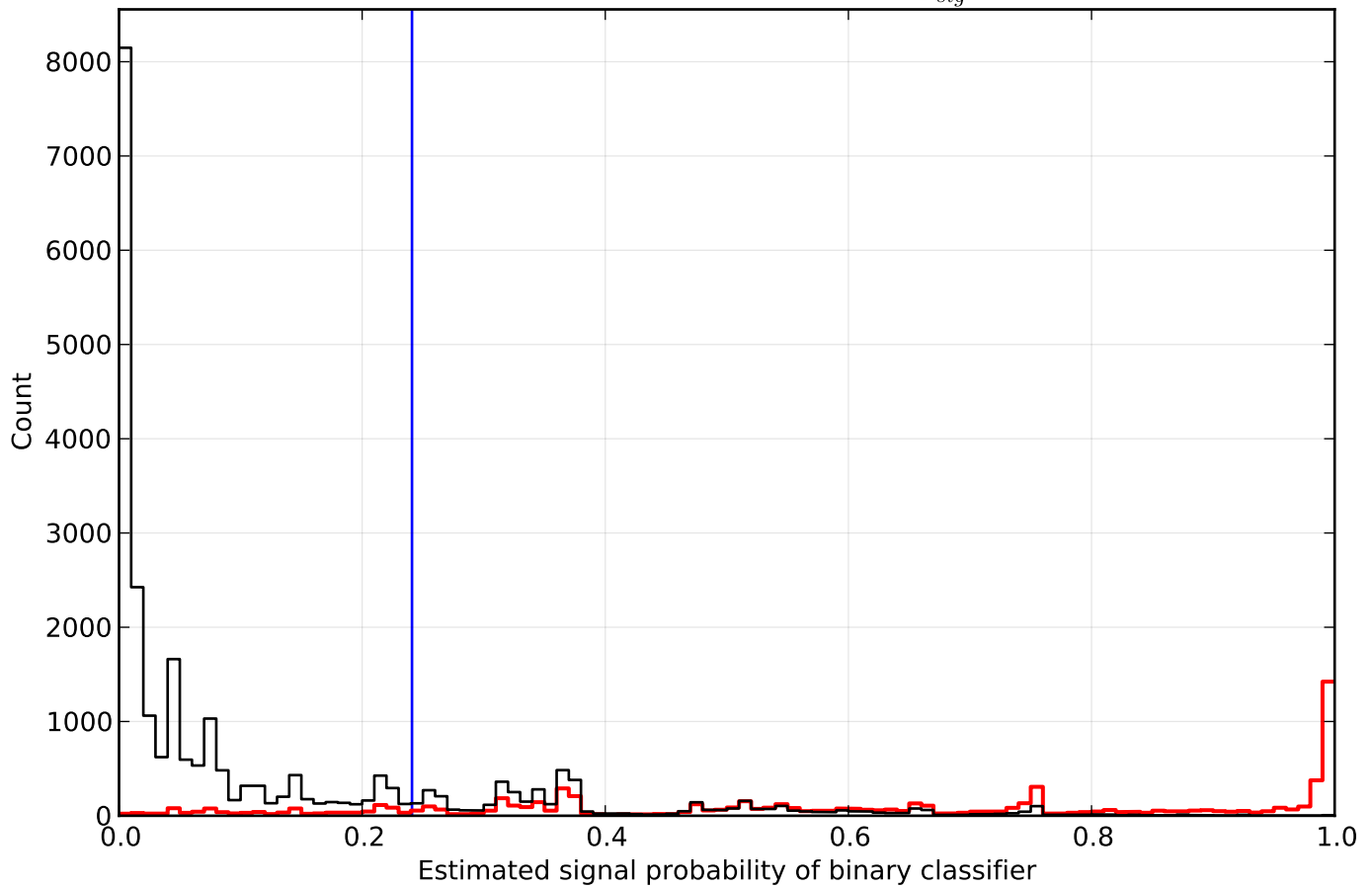
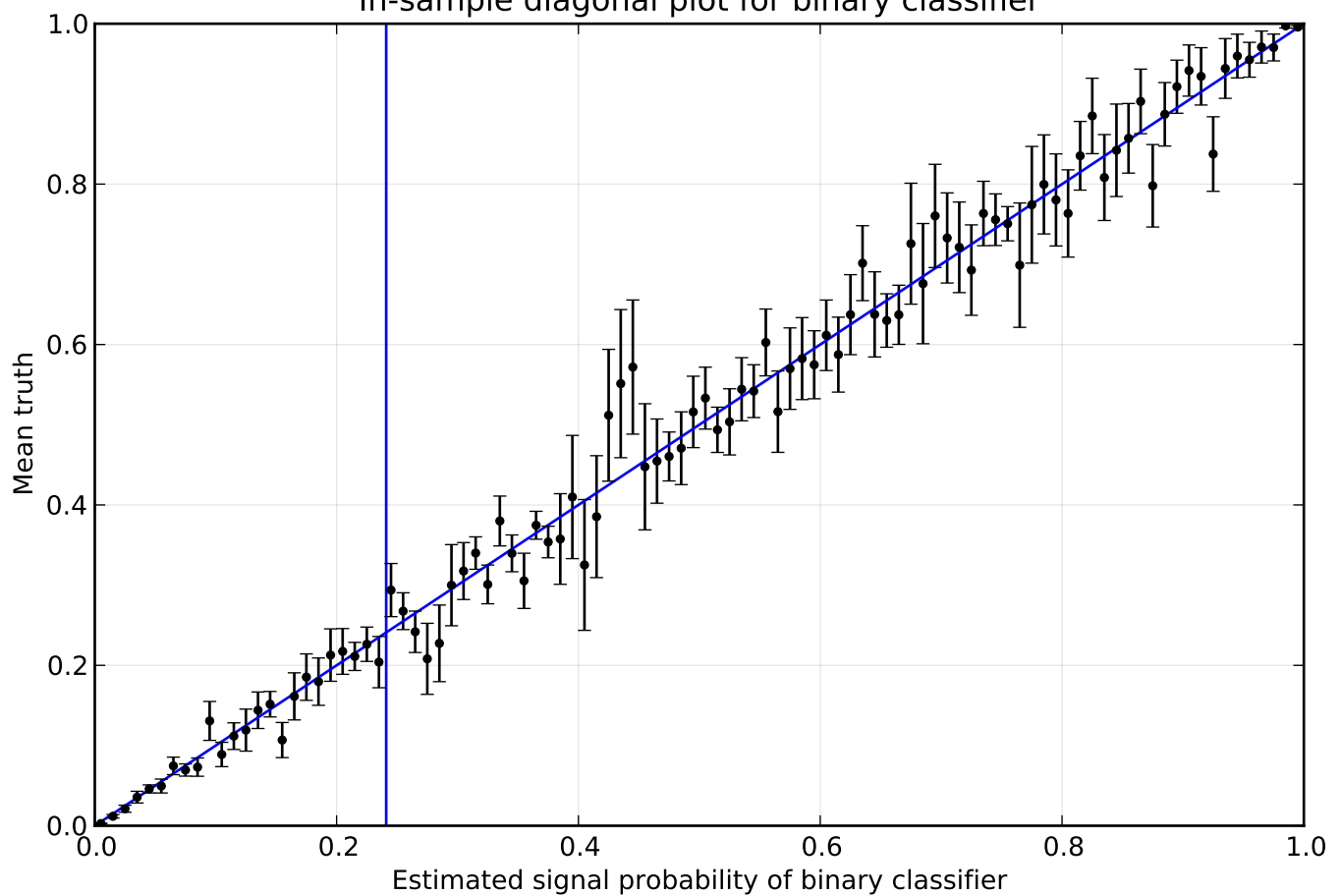
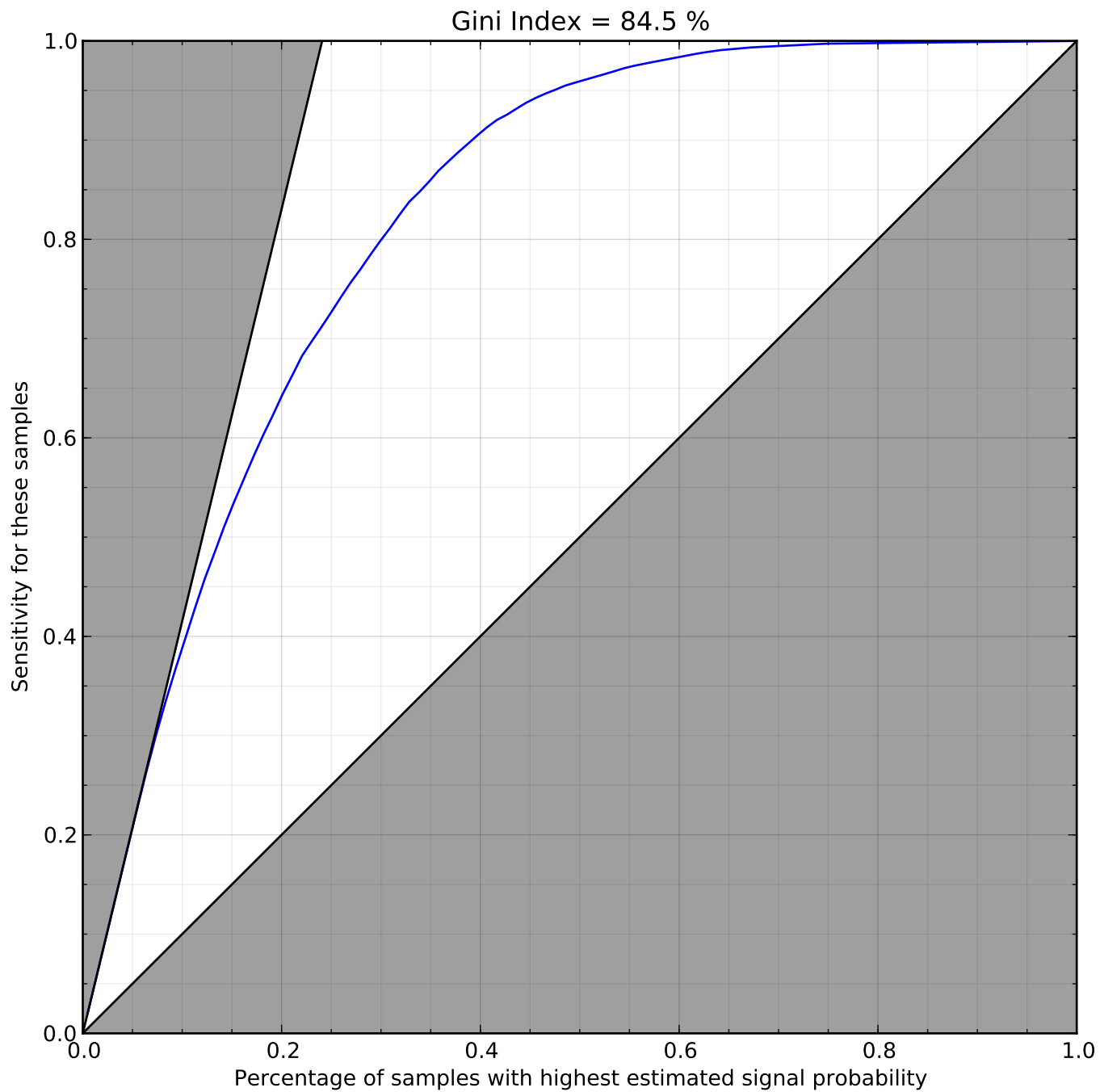


Histogram of signal (red) and background samples (black)
($n = 32561$, $s = 7841$, $b = 24720$, $p_{sig}=0.241$)



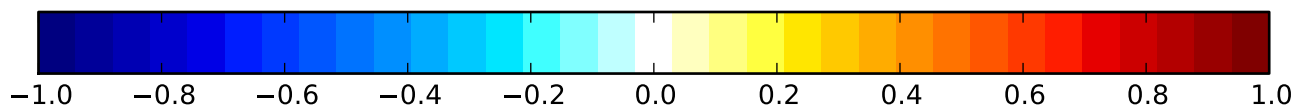
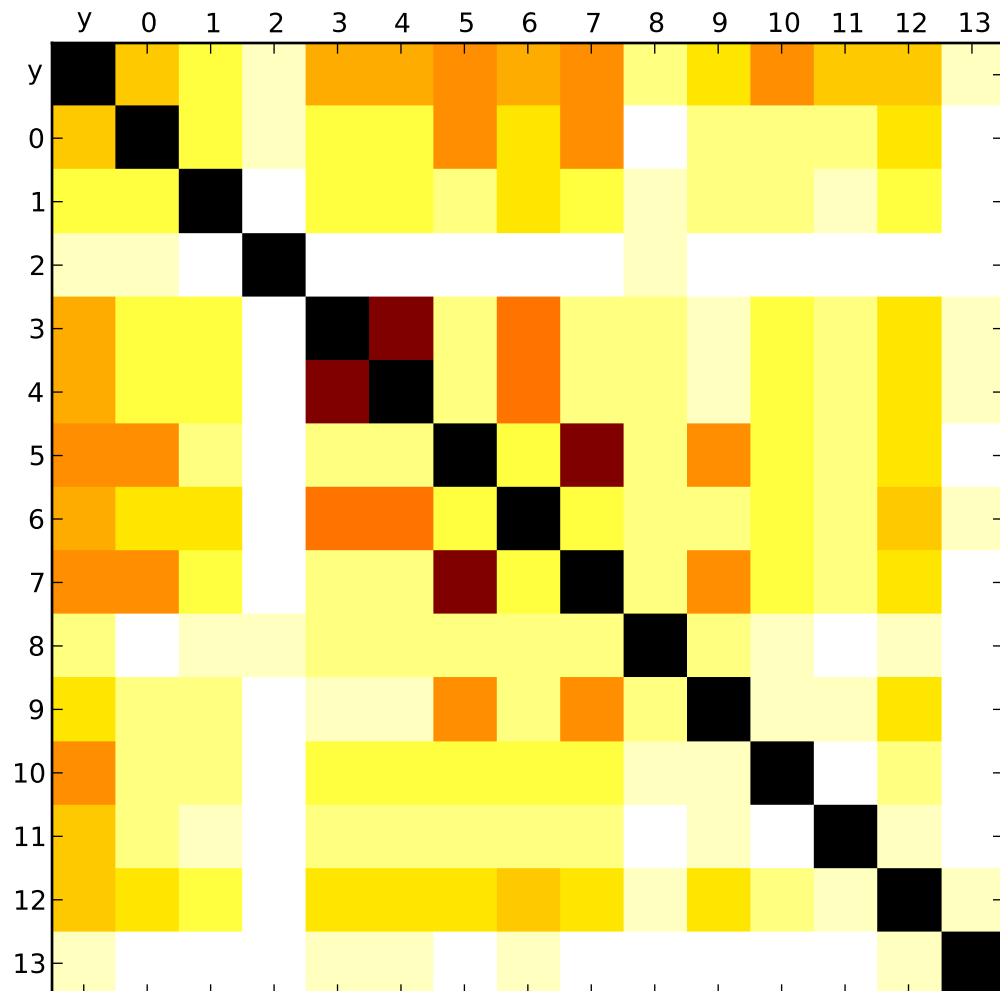
In-sample diagonal plot for binary classifier





The total correlation of all features to the target is 67.3% .

The total significance of all features is 121.43 σ



Feature 5: marital_status



1st most important feature

Neurobayes feature id: 7

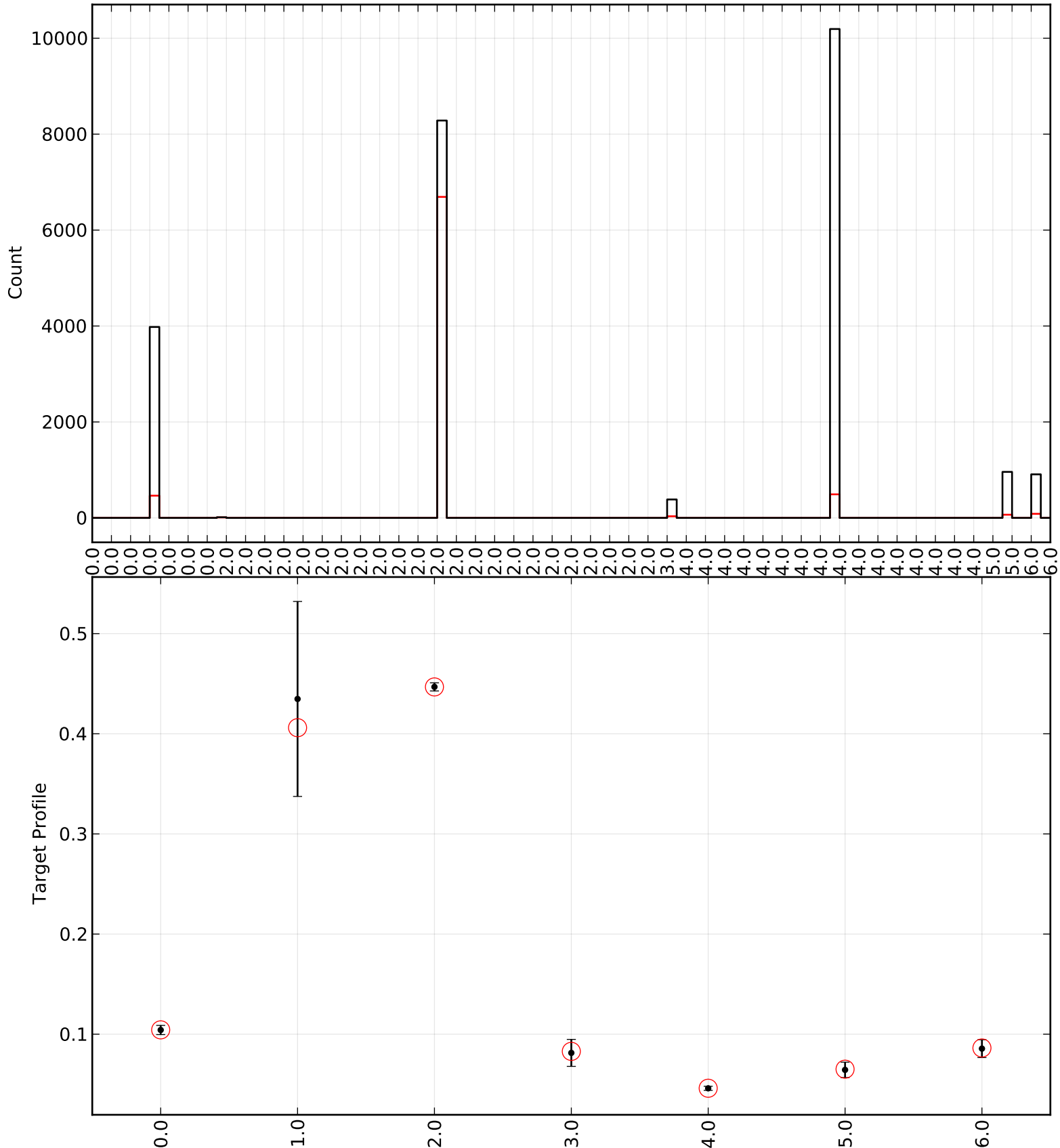
Added significance: 80.73 σ

Significance of this feature only: 80.73 σ

Significance loss when removed: 7.58 σ

Total correlation to others: 97.14 %

Feature properties: IS_UNORDERED



Feature 10: capital_gain



2nd most important feature

Neurobayes feature id: 12

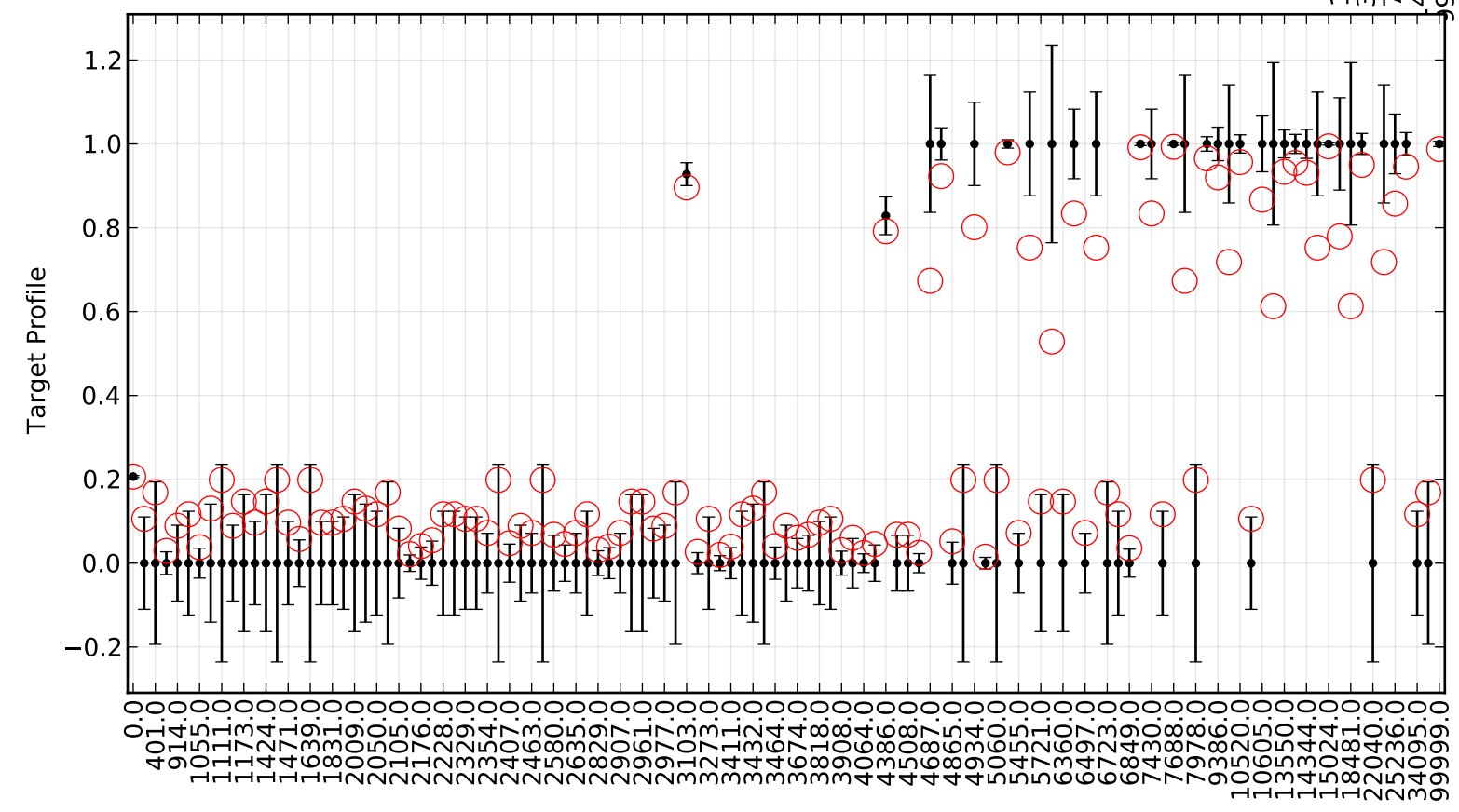
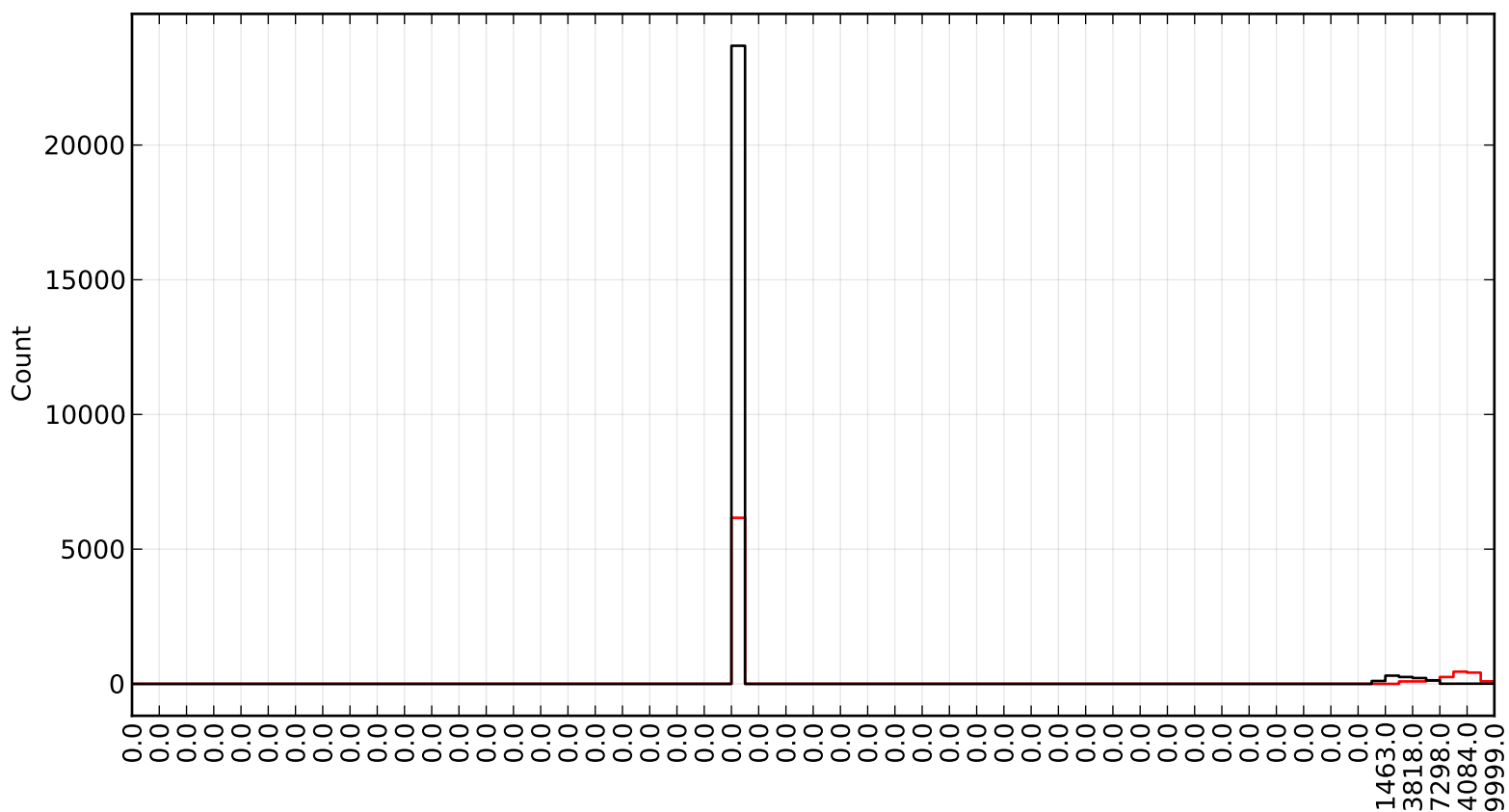
Added significance: 62.98 σ

Significance of this feature only: 75.3 σ

Significance loss when removed: 53.43 σ

Total correlation to others: 26.46 %

Feature properties: IS_UNORDERED



Feature 3: education



3rd most important feature

Neurobayes feature id: 5

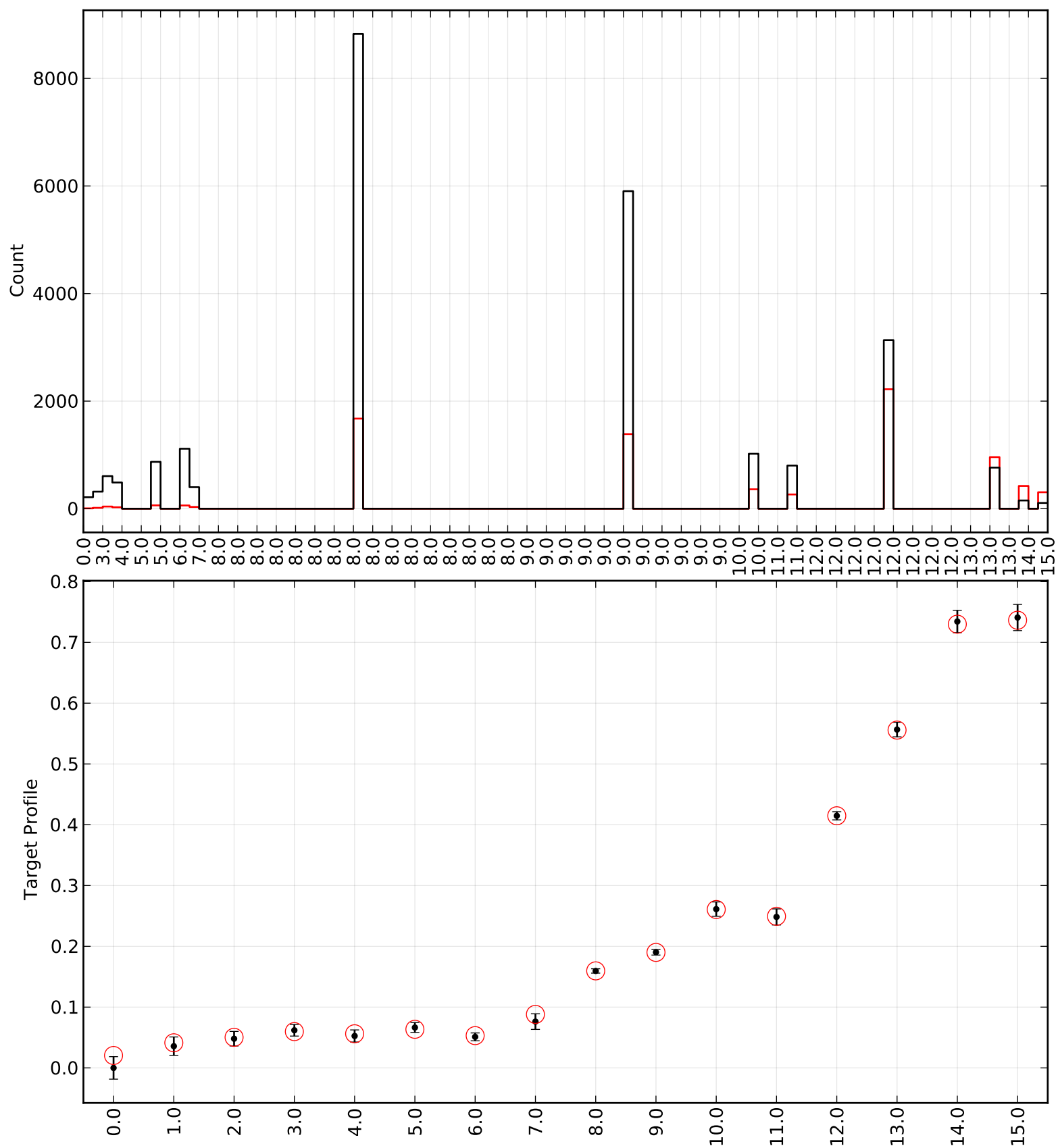
Added significance: 46.9 σ

Significance of this feature only: 66.55 σ

Significance loss when removed: 24.96 σ

Total correlation to others: 54.07 %

Feature properties: IS_ORDERED



Feature 11: capital_loss

4th most important feature

Added significance: 35.62 σ

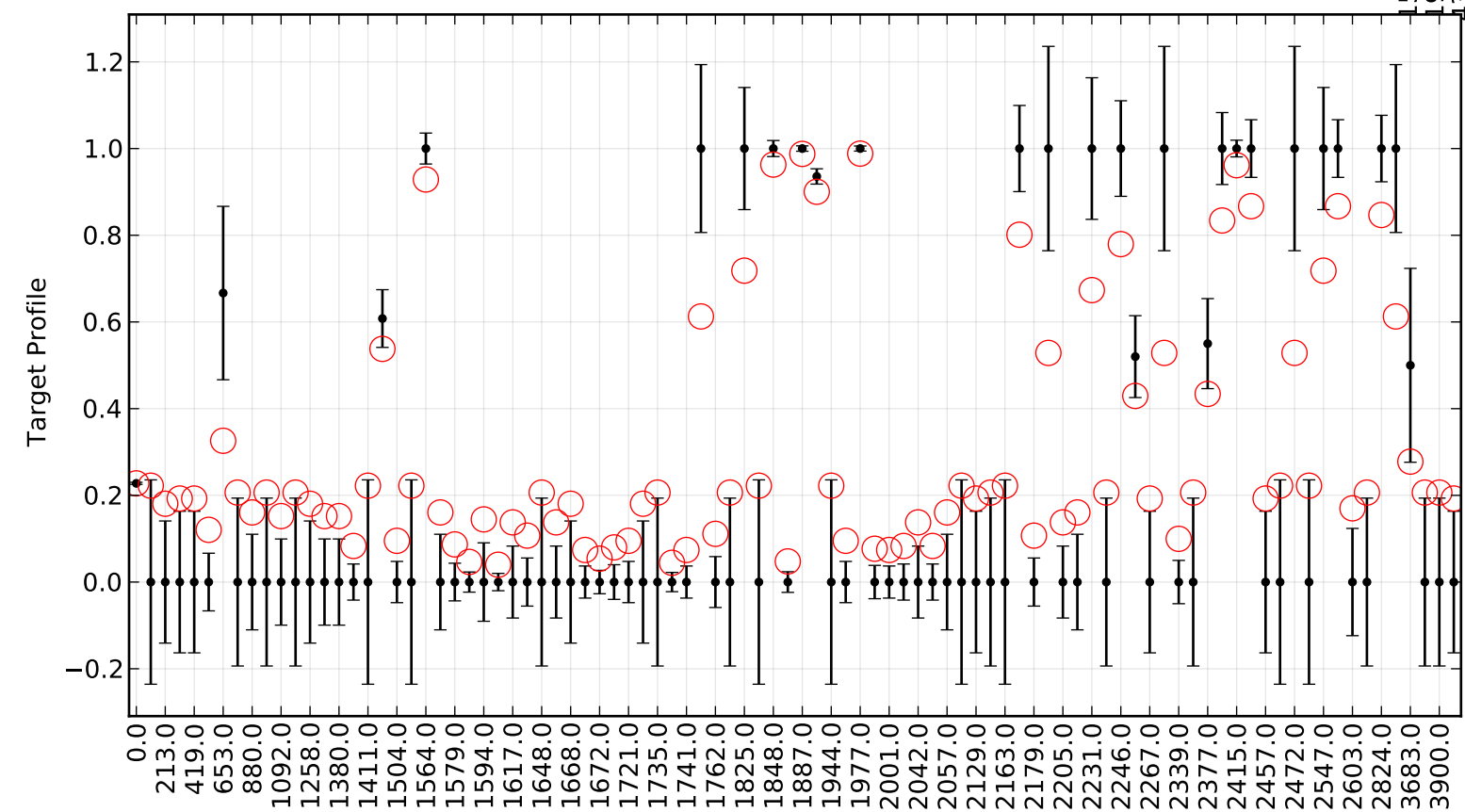
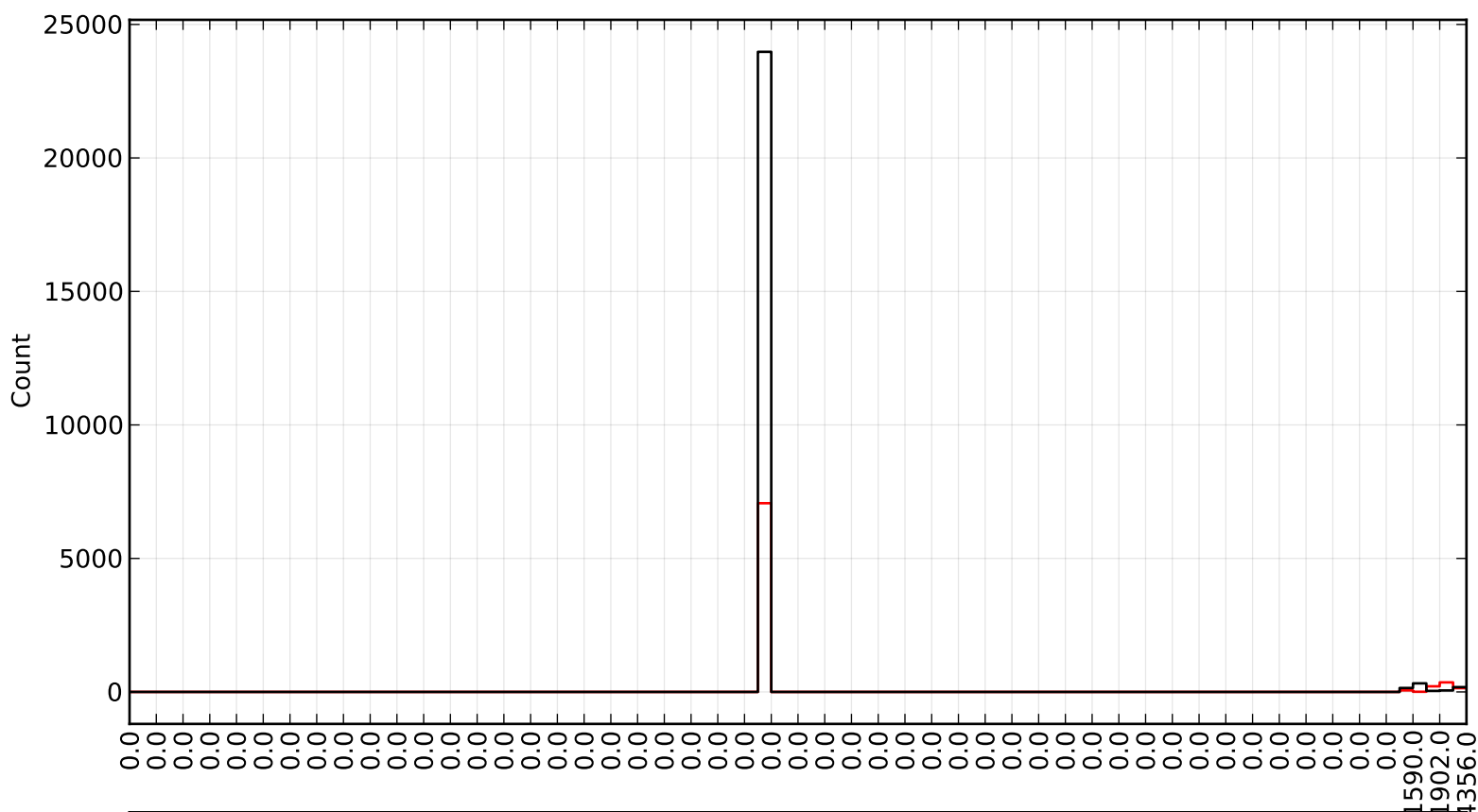
Significance loss when removed: 33.94 σ

Feature properties: IS_UNORDERED

Neurobayes feature id: 13

Significance of this feature only: 49.42 σ

Total correlation to others: 20.78 %



Feature 6: occupation

5th most important feature

Neurobayes feature id: 8

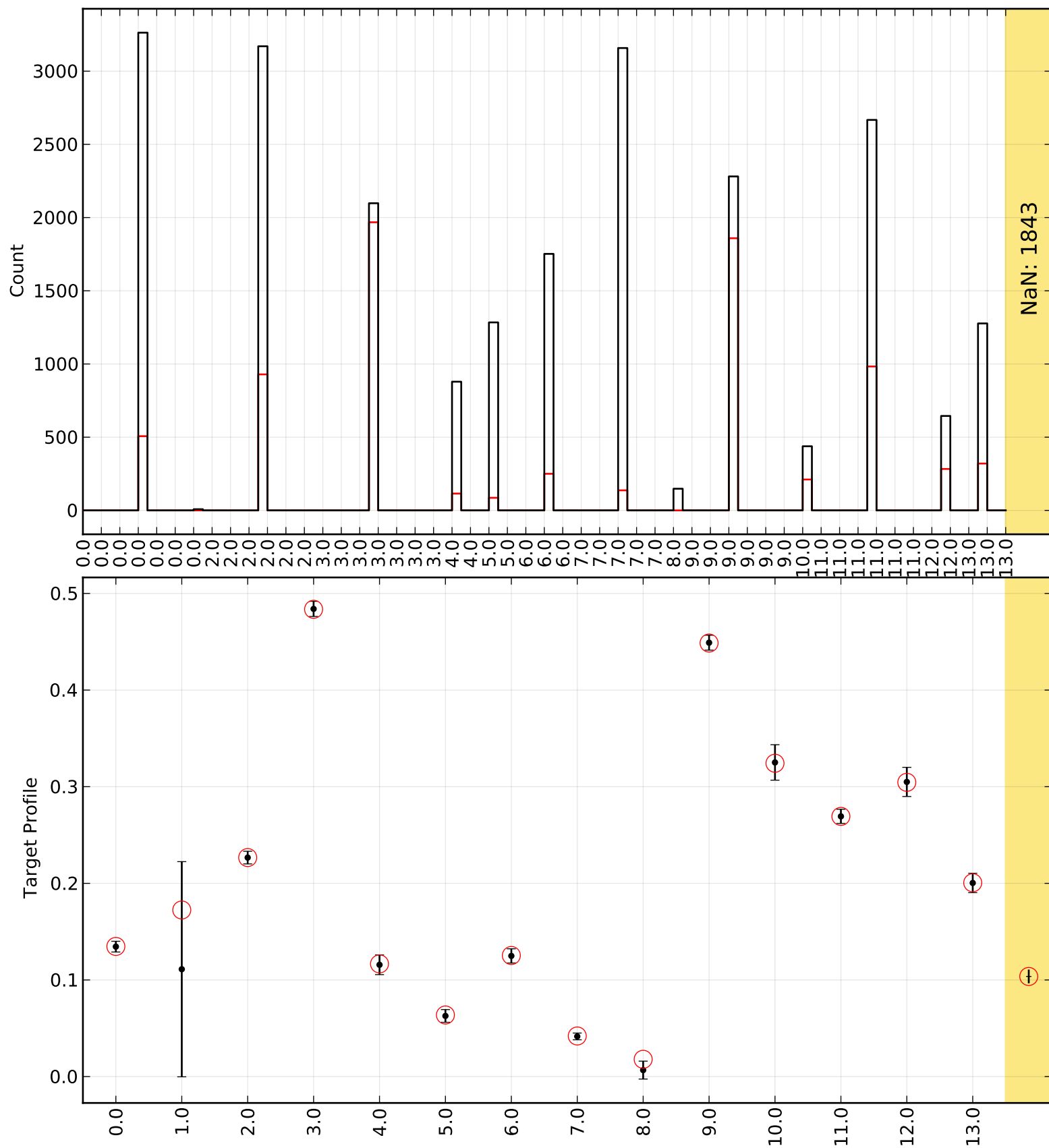
Added significance: 19.27 σ

Significance of this feature only: 63.5 σ

Significance loss when removed: 14.67 σ

Total correlation to others: 57.12 %

Feature properties: IS_UNORDERED | HAS_MISSING



Feature 0: age

6th most important feature

Added significance: 15.0 σ

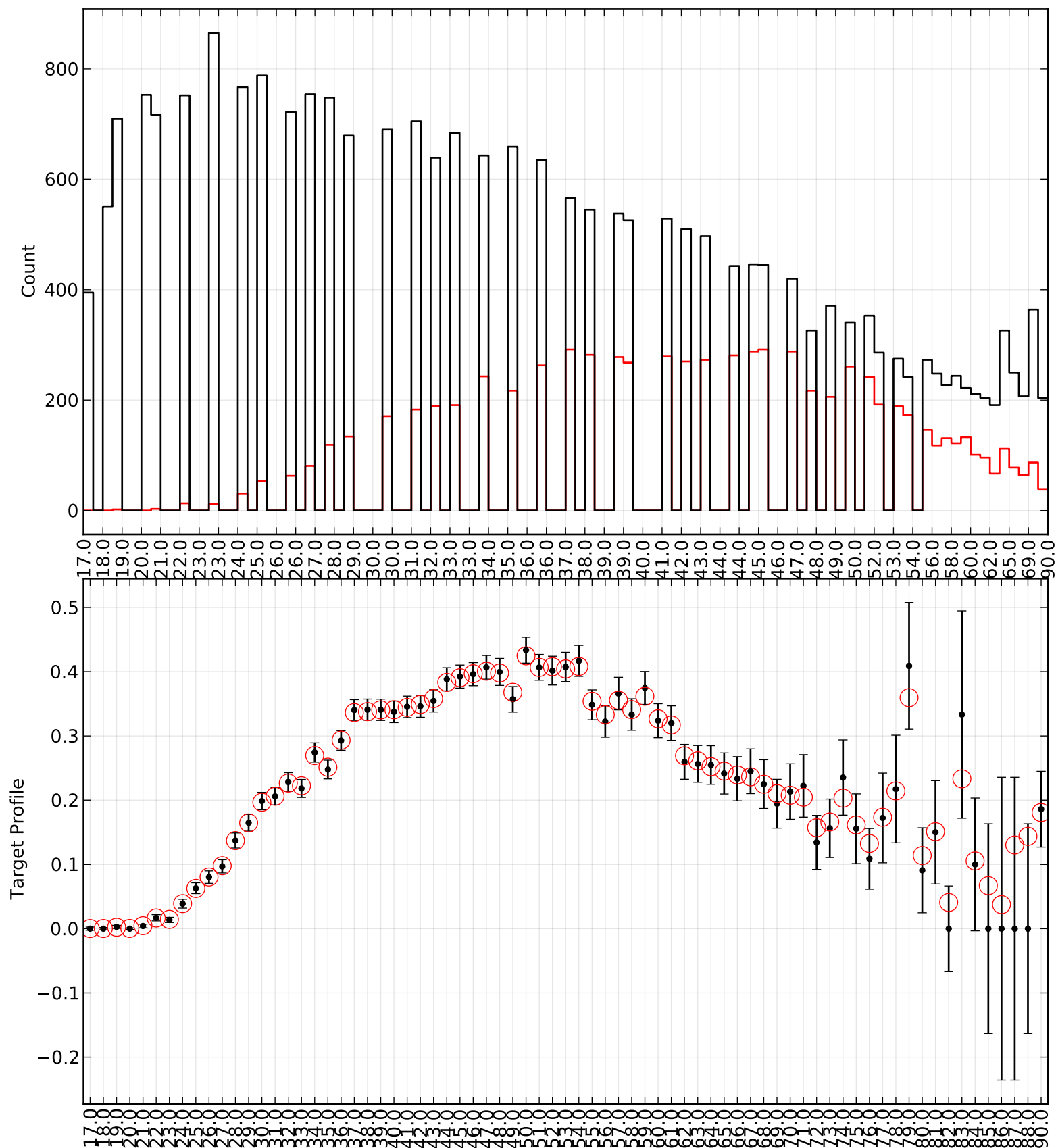
Significance loss when removed: 12.74 σ

Feature properties: IS_ORDERED

Neurobayes feature id: 2

Significance of this feature only: 59.13 σ

Total correlation to others: 48.96 %



Feature 12: hours_per_week



7th most important feature

Neurobayes feature id: 14

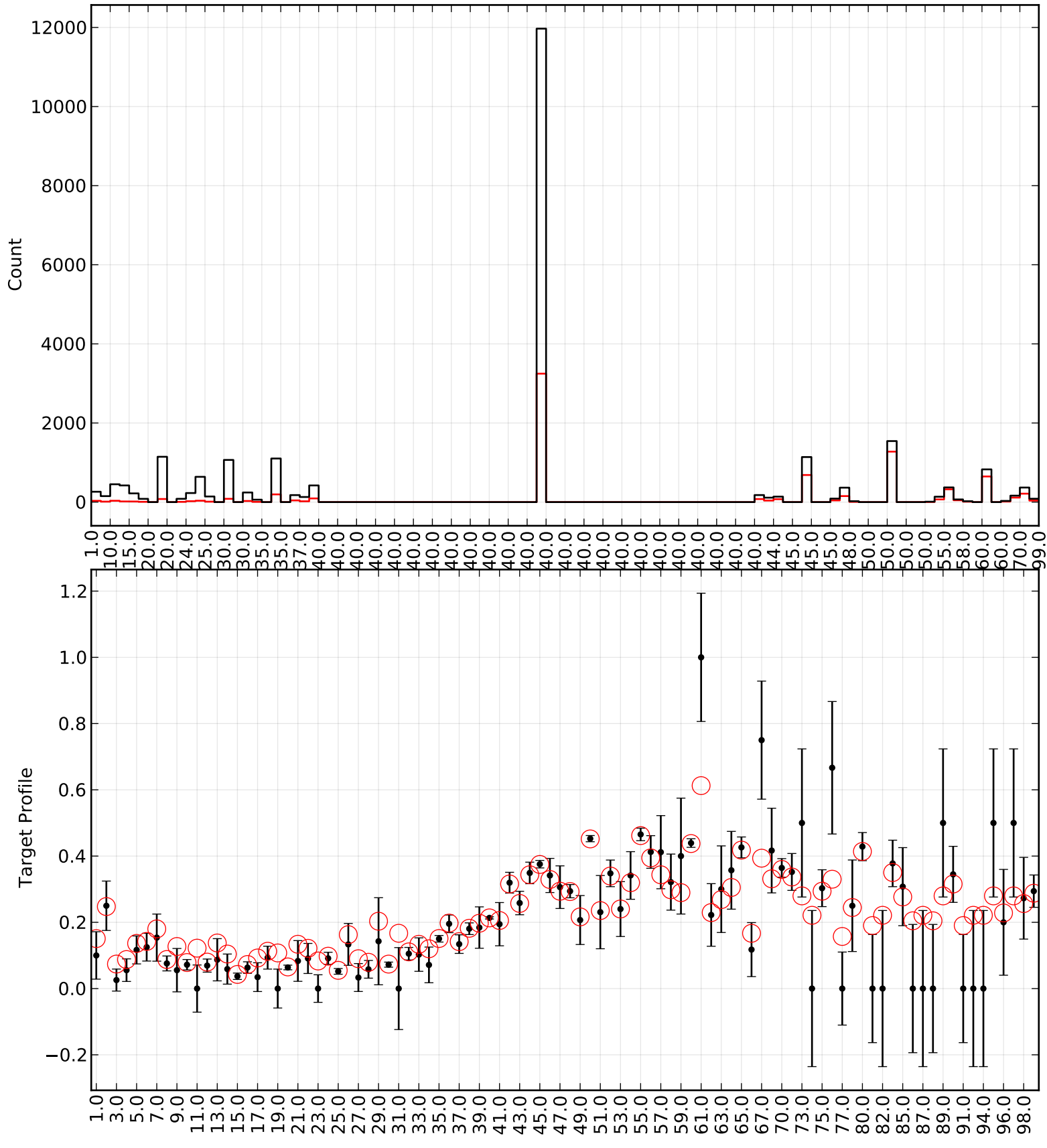
Added significance: 11.95 σ

Significance of this feature only: 51.23 σ

Significance loss when removed: 10.58 σ

Total correlation to others: 42.25 %

Feature properties: IS_UNORDERED



Feature 7: relationship



8th most important feature

Neurobayes feature id: 9

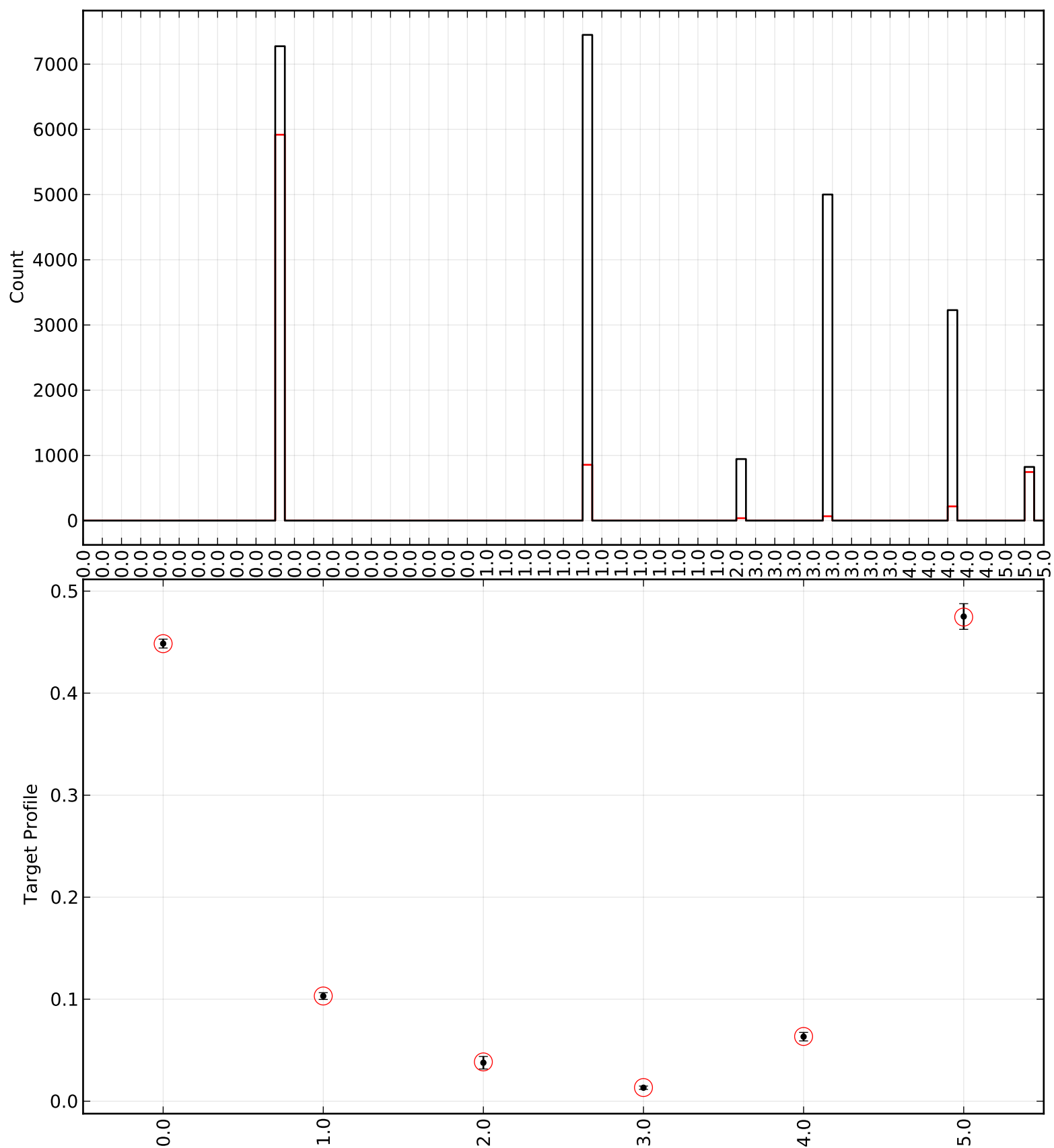
Added significance: 4.24 σ

Significance of this feature only: 81.85 σ

Significance loss when removed: 4.06 σ

Total correlation to others: 97.18 %

Feature properties: IS_UNORDERED



Feature 9: sex



9th most important feature

Neurobayes feature id: 11

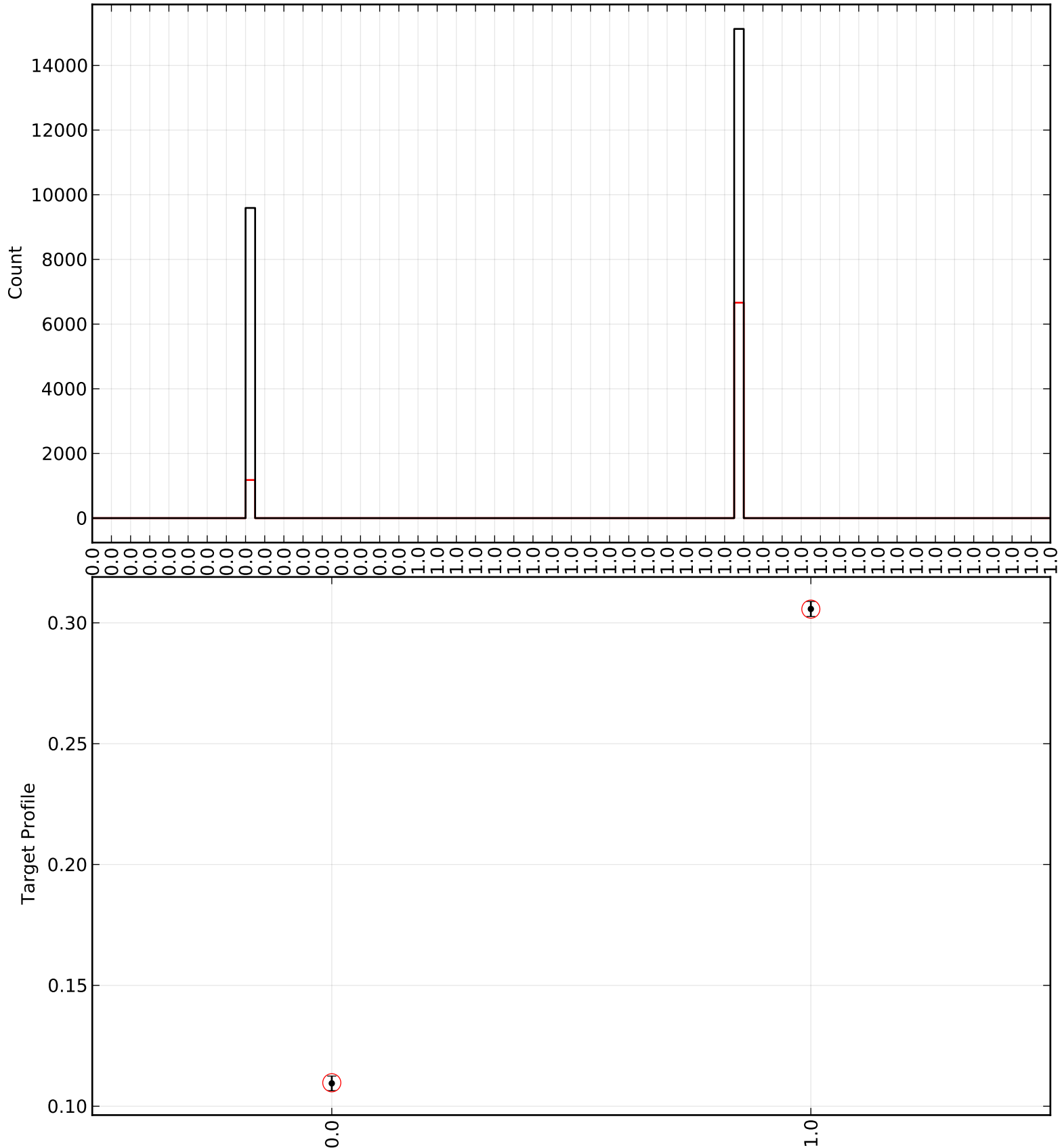
Added significance: 3.22 σ

Significance of this feature only: 38.97 σ

Significance loss when removed: 3.07 σ

Total correlation to others: 46.08 %

Feature properties: IS_UNORDERED



Feature 13: native_country



10th most important feature

Neurobayes feature id: 15

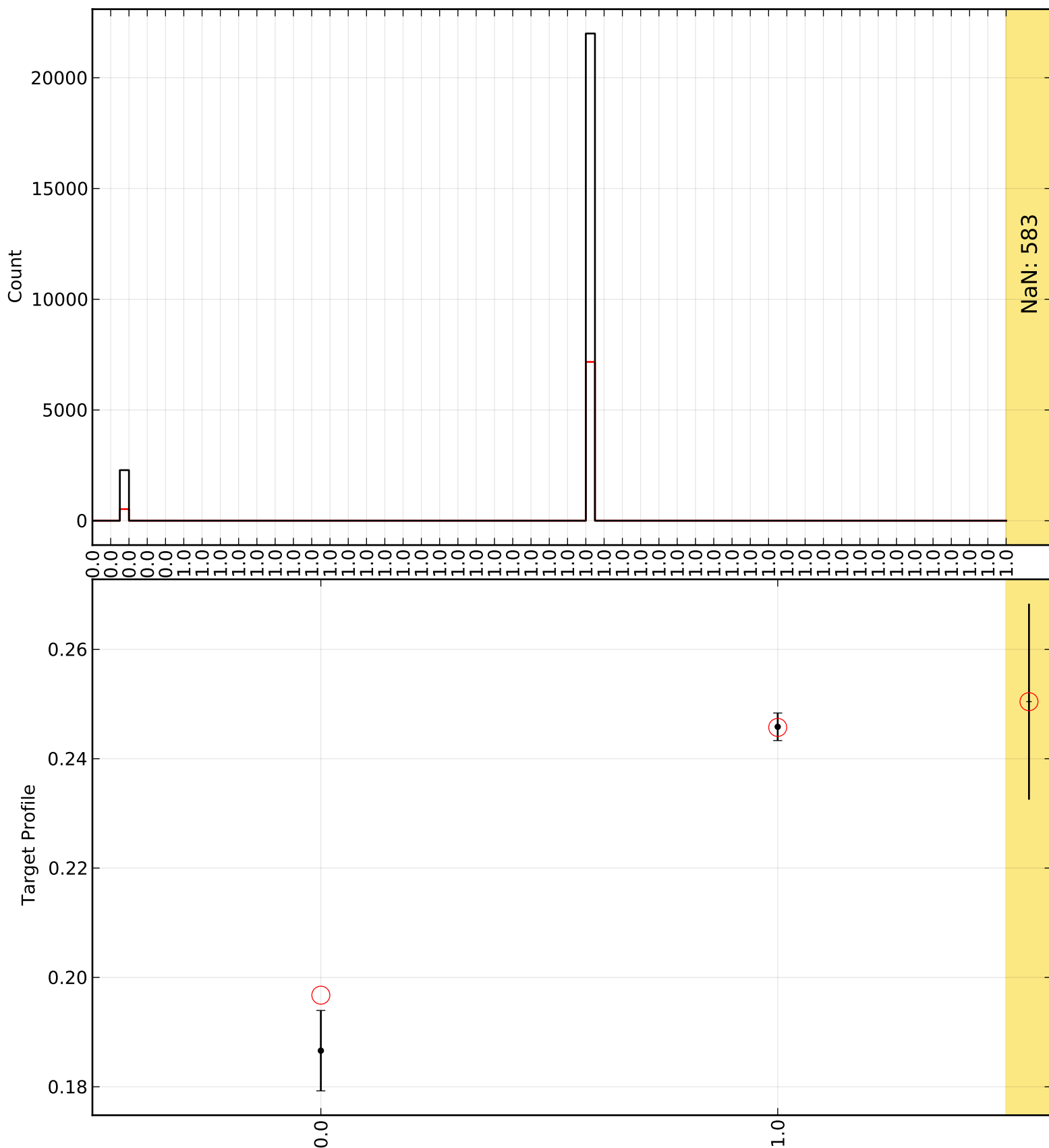
Added significance: 2.82 σ

Significance of this feature only: 7.03 σ

Significance loss when removed: 2.75 σ

Total correlation to others: 7.89 %

Feature properties: IS_UNORDERED | HAS_MISSING



Feature 1: workclass

11th most important feature

Neurobayes feature id: 3

Added significance: 2.58 σ

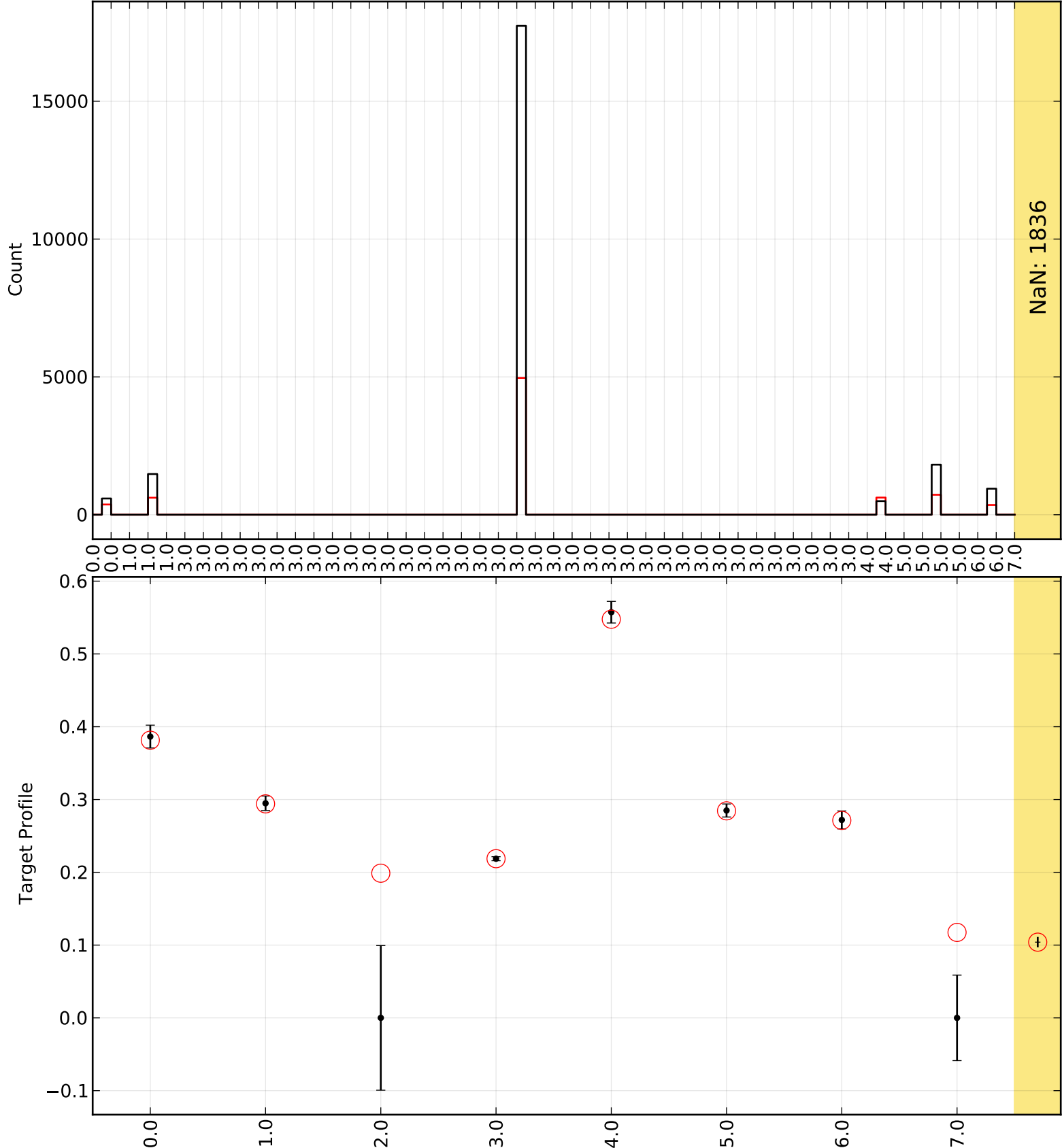
Significance of this feature only: 32.3 σ

Significance loss when removed: 2.62 σ

Total correlation to others: 31.37 %

Feature properties: IS_UNORDERED | HAS_MISSING

NaN: 1836



Feature 2: fnlwgt



12th most important feature

Neurobayes feature id: 4

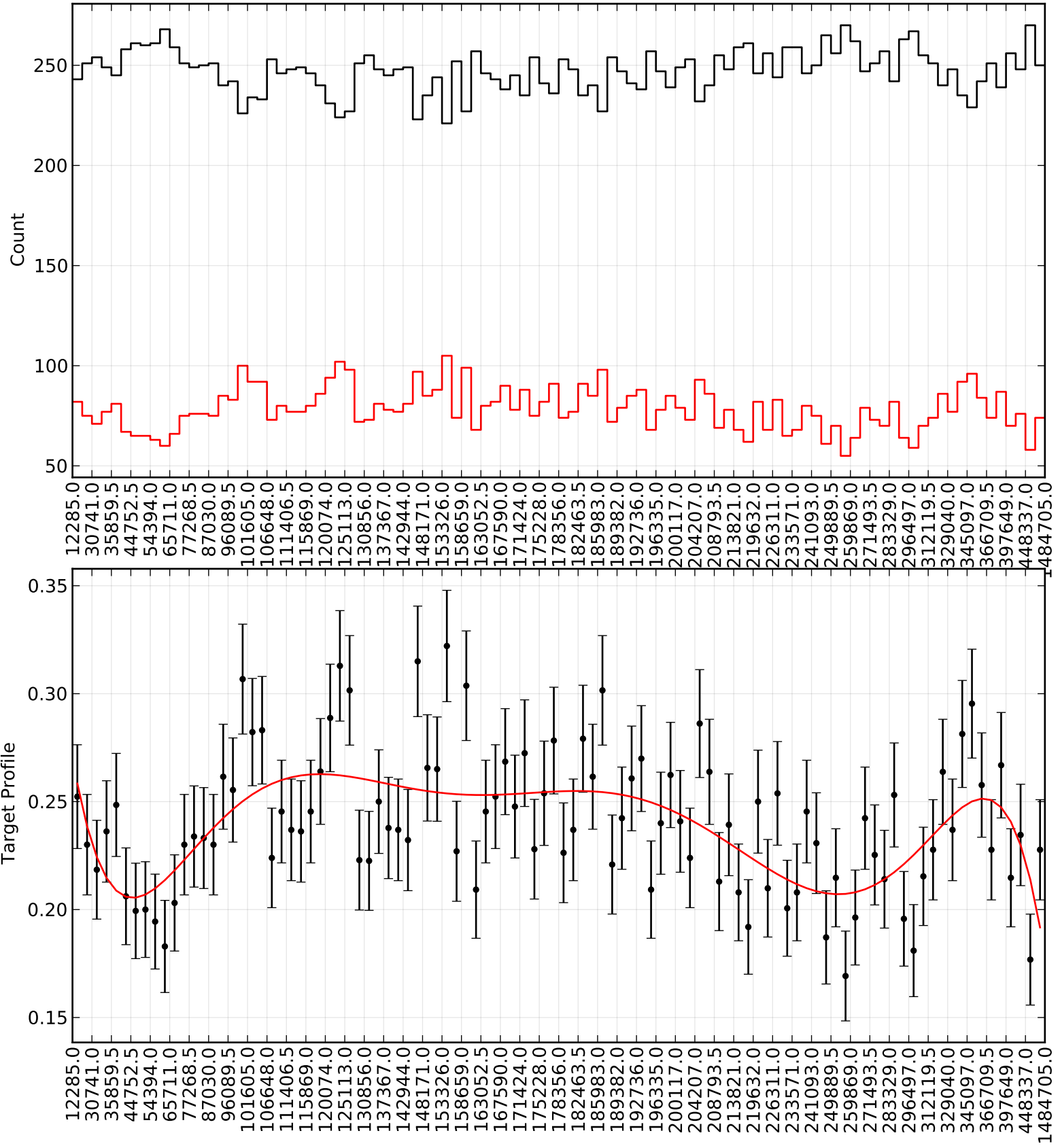
Added significance: 2.54 σ

Significance of this feature only: 8.32 σ

Significance loss when removed: 2.42 σ

Total correlation to others: 9.9 %

Feature properties: IS_CONTINUOUS



Feature 8: race

13th most important feature

Neurobayes feature id: 10

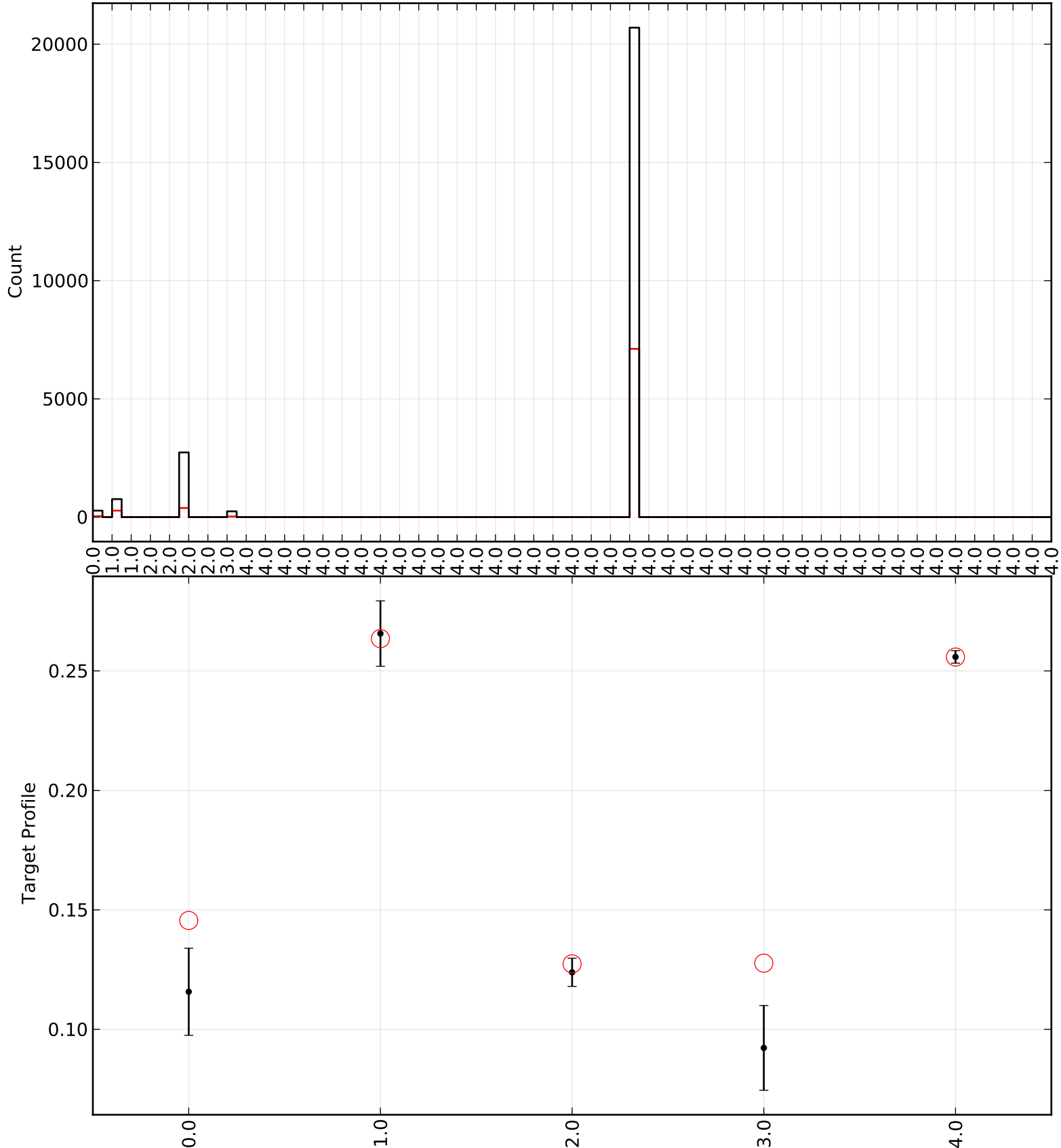
Added significance: 2.17 σ

Significance of this feature only: 18.13 σ

Significance loss when removed: 2.17 σ

Total correlation to others: 19.7 %

Feature properties: IS_UNORDERED



Feature 4: education_num



14th most important feature

Neurobayes feature id: 6

Added significance: 0.0 σ

Significance of this feature only: 66.55 σ

Significance loss when removed: 0.0 σ

Total correlation to others: 100.0 %

Feature properties: IS_ORDERED

