

Analysis and Result Summary

(Table 2)

The table 2 titled Voucher Status and the Probability of ICFES Match reports the summary statistics drawn from all applicants to ICFES with valid ID and ages from 9 to 25 sample. The estimator used for the regression models is Ordinary Least Squares. The independent or explanatory variables include the Voucher Status (voucher0), the Male Name, and the Age (age) and the dependent variables are Exact ID match (match_ I) and ID and city match (match_ IC) variables.

As study result, the coefficient estimate for Exact ID numbers variable is evaluated to 0.354 whereas the result for the same estimate is 0.339 when ID and city match is rather used as dependent variable. This result is recorded in the first row of the table. The results from models with no controls for sex and age are recorded in columns 1 and 3 while the results from models with controls for sex and age are recorded in columns 2 and 4. Using Exact ID match as explained variable, It turns out that the estimated coefficient for the variable Voucher winner is 0.072 for models with no controls whereas it is estimated to 0.059 when sex and age are controlled in the models. When ID and city is used as dependent variable to validate matches, the coefficient estimate for the variable Voucher winner is evaluated to 0.069 for model with no control and 0.056 for models with demographic controls. In addition, the voucher winner coefficient for female applicants is estimated to 0.067 against 0.079 for male applicants when Exact ID is used to match the record whereas the estimate is 0.069 for female applicants against 0.071 for male applicants when using ID and city match as variable.

The coefficient estimate of Voucher winner equals 0.059 in column 2 from models with sex and age controls can be interpreted as: it is expected that the vouchers raise the ICFES registration rates of approximately 6 percent, holding all other variables (gender and age of the applicants) fixed.