Bases for alternative nonparametric Mincer function [

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text (article)

Analítica

This work undertakes a nonparametric regression in order to model a simplified Mincer Function of earnings. The main advantages of using this technique is that it does not rely on assumptions and the statistical inference is not sensitive to distributions disturbances due to violations of the assumptions. The results of the nonparametric estimation are compared to a classical OLS regression. From this comparison it was found that the OLS estimator did not fulfilled the assumptions that this method requires, therefore, the statistical inference from this estimation is misleading. On the other hand, the confidence intervals obtained from the nonparametric regression are more accurate and less sensitive to variability and magnitude of the variables. Consequently, the nonparametric estimation would be an alternative to model labor market variables avoiding string assumptions that will lead to wrong statistical inference conclusions
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