

# Studies and Codes

- This page contains pilot studies conducted under the HLG-MOS Machine Learning Project and programming codes (if available). If you want your study or code to be added, please contact UNECE
- You can search by Theme, ML method, Programme code availability and Programming Language using filter below.

|    | Theme             | Title  | Country /Organisation | Data Source                                   | ML methods   | Programme code availability               | Programming Language | Note |
|----|-------------------|--|-----------------------|---|--|---|----------------------|------|
| 10 | Edit & Imputation | <a href="#">Imputation of the variable "Attained Level of Education" in Base Register of Individuals</a> | Italy                 | Administrative data, Survey data, Census data | Multilayer perceptron, Log linear  | Yes ( <a href="#">Click GitHub link</a> ) | Python               |      |
| 11 | Edit & Imputation | <a href="#">Imputation in the sample survey on participation of Polish residents in trips</a>            | Poland                | Survey data                                   | CART, Random forest, Optimal weighted nearest neighbor, Support vector machine       |   | R                    |      |
| 12 | Edit & Imputation | <a href="#">Machine learning for imputation</a>  | Germany               | Survey data                                   | K-nearest neighbors, Bayesian network, Random forest, Support vector machine         |   | R                    |      |
| 13 | Edit & Imputation | <a href="#">Early estimates of energy balance statistics using machine learning</a>                      | Belgium VITO          |   | Lasso regression, Linear regression, Neural network, Random forest, Ridge regression | Yes ( <a href="#">Click GitHub link</a> ) | Python               |      |
| 14 | Edit & Imputation | <a href="#">Editing of Living Cost and Food Survey Income data</a>                                       | UK                    | Survey data                                   | Decision tree, Random forest, Neural network   |   |                      |      |
| 15 | Edit & Imputation | <a href="#">Editing in the Italian Register of the Public Administration</a>                             | Italy                 | Administrative data                           | Decision tree, Random forest   |   | R                    |      |
| 16 | Edit & Imputation | <a href="#">Machine Learning for Data Editing Cleaning in NSI : Some ideas and hints</a>                 | Italy                 |   |  |   |                      |      |