faoswsProductionImputation: A package for the imputation of the production domain of the Statistical Working System

Joshua M. Browning
Food and Agriculture Organization
of the United Nations

Abstract

This vignette provides detailed description of the usage of functions in the **faoswsProductionImputation** package.

There are three sections to this paper. The opening will describe the essential setups required for the package to operate. This is then followed by the step-by-step description of each function which consist of the whole entire imputation procedure described in the methodology paper. Arguements and default setting for each function is explained with illustrating example. The final section is for technical readers who are interested in building their ensemble model, from how to design sensible component model to how to build the ensemble.

Keywords: Imputation, Linear Mixed Model, Agricultural Production, Ensemble Learning.

Affiliation:

Joshua M. Browning
Economics and Social Statistics Division (ESS)
Economic and Social Development Department (ES)
Food and Agriculture Organization of the United Nations (FAO)
Viale delle Terme di Caracalla 00153 Rome, Italy
E-mail: michael.kao@fao.org, joshua.browning@fao.org
URL: https://github.com/mkao006/sws_imputation