

Publication

A model of West African millet prices in rural markets

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

ID 2736412

Author(s) Higgins, Nathaniel; Hintermann, Beat; Brown, Molly

Author(s) at UniBasel [Hintermann, Beat](#) ;

Year 2015

Title A model of West African millet prices in rural markets

Journal Food policy

Volume 52

Pages / Article-Number 33-43

Keywords Millet, Cereal, West Africa, Price forecasting, Remote sensing, NDVI, Regional panel data

In this article we specify a model of millet prices in the three West African countries of Burkina Faso, Mali, and Niger. Using data obtained from USAID's Famine Early Warning Systems Network (FEWS NET) we present a unique regional millet price forecasting model that takes advantage of the panel nature of our data and accounts for the distance of rural markets from capital cities. Another novel aspect of our analysis is our use of the Normalized Difference Vegetation Index (NDVI) to detect and control for variation in conditions for productivity. We find that including NDVI information significantly improves price forecasts.

Publisher Elsevier

ISSN/ISBN 0306-9192

edoc-URL <http://edoc.unibas.ch/dok/A6319128>

Full Text on edoc Restricted;

Digital Object Identifier DOI 10.1016/j.foodpol.2014.09.011

ISI-Number WOS:000353737300004

Document type (ISI) Article