

Package ‘cropdatape’

July 22, 2025

Title Open Data of Agricultural Production of Crops of Peru

Version 1.0.0

URL <https://github.com/omarbenites/cropdatape>,
<http://siea.minagri.gob.pe/siea/?q=publicaciones/anuarios-estadisticos>

BugReports <https://github.com/omarbenites/cropdatape/issues>

Description Provides peruvian agricultural production data from the Agriculture Ministry of Peru (MINAGRI). The first version includes 6 crops: rice, quinoa, potato, sweet potato, tomato and wheat; all of them across 24 departments. Initially, in excel files which has been transformed and assembled using tidy data principles, i.e. each variable is in a column, each observation is a row and each value is in a cell. The variables variables are sowing and harvest area per crop, yield, production and price per plot, every one year, from 2004 to 2014.

Depends R (>= 3.3.1)

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Encoding UTF-8

LazyData true

RoxygenNote 5.0.1

NeedsCompilation no

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Description

The cropdatape package is based on the Integrated System of Agricultural Statistics (SIEA) of Peruvian Agriculture Ministry. The variables are: sowing and harvest area, production, crop yield, price per plot by region. The range of year covers from 2004 to 2014. In case of 2004, it just considered from August to December (mid-season). Some missing values (NA) indicate that in some periods do not exists agricultural activity.

Usage

cropdatape

Format

Data frame with — rows and 9 columns.

crop factor with 6 levels

department Peruvian departments. Factor with 24 levels

year Numeric. Range of years from 2004 to 2014

month Factor with 12 levels.

sowa Sowing area measured by hectares (ha)

harva Harvest area measured by hectare (ha)

production Production of crop measured by tons (t)

yield Yield of crop measured by kilograms per hectare (kg/ha)

pricePlot Price per plot. The peruvian currency peruvian nuevo sol

Source

<http://siea.minagri.gob.pe/siea/?q=publicaciones/anuarios-estadisticos>

Examples

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