



Algerian Forest Fires

Donated on 10/21/2019

The dataset includes 244 instances that regroup a data of two regions of Algeria.

Dataset Characteristics

Multivariate

Subject Area

Biology

Associated Tasks

Classification, Regression

Feature Type

Real

Instances

244

Features

14

Dataset Information



Additional Information

The dataset includes 244 instances that regroup a data of two regions of Algeria, namely the Bejaia region located in the northeast of Algeria and the Sidi Bel-abbes region located in the northwest of Algeria.

122 instances for each region.

The period from June 2012 to September 2012.

The dataset includes 11 attributes and 1 output attribute (class)

The 244 instances have been classified into “fire” (138 classes) and “not fire” (106 classes) classes.

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Has Missing Values?

No

Introductory Paper



Predicting Forest Fire in Algeria Using Data Mining Techniques: Case Study of the Decision Tree Algorithm

By Faroudja Abid, N.Izeboudjen. 2020

Published in Ezziyyani M. (eds) Advanced Intelligent Systems for Sustainable Development (AI2SD’2019). Advances in Intelligent Systems and Computing

Variables Table



Variable Name	Role	Type	Description	Units
region	Feature	Categorical	Bejaia or Sidi-Bel Abbas	
day	Feature	Integer		
month	Feature	Integer		
year	Feature	Integer		
Temperature	Feature	Integer	temperature noon	C

Variable Name	Role	Type	Description	Units
RH	Feature	Integer	relative humidity	%
Ws	Feature	Integer	wind speed	km/h
Rain	Feature	Continuous		mm
FFMC	Feature	Continuous	Fine Fuel Moisture Code	
DMC	Feature	Continuous	Duff Moisture Code	



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Additional Variable Information

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1. Date : (DD/MM/YYYY) Day, month ('june' to 'september'), year (2012)

Weather data observations ...

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Dataset Files

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File	Size
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File

Size

Algerian_forest_fires_dataset_UPDATE.csv

15KB

Reviews



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