

Wildfires in Portugal Geospatial Analysis



This document shows estimates of the area burned in Portugal during the summer of 2017.

The Normalized Burned Ratio on the top left was calculated using Landsat satellite images.

The map on the bottom left compares the area burned in each district with the population density, while the charts on the bottom right compare the yearly rainfall and average air temperature with the burned area, drawing the correspondent trend line.

Data sources: US Landsat 8 satellite, PORDATA.

Projection: WGS_1984_UTM_Zone_29N

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Context: GIS specialization, by Coursera with University of California, Davis in partnership with Esri.

Population Density vs Burned Area

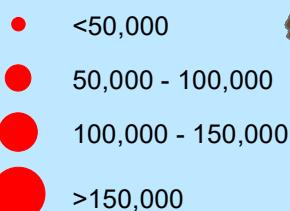
Population Density

Individuals per Km²



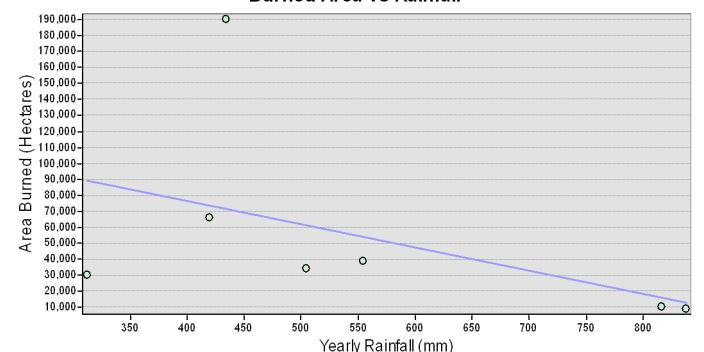
Burned Area

Hectares



Climate vs Burned Area

Burned Area vs Rainfall



Burned Area vs Average Yearly Temperature

