

Eureka AI Coding Interview

Location Entropy

Purpose

This interview question is the property of Eureka AI. The recipient can use it only once for the purpose of answering the interview question as part of the qualifying process to proceed to further steps of Eureka AI recruiting.

Coding Question

Write a function for calculating the location entropy of a give dataset, according to the following formula:

$$E = - \sum_i p(i) \times \log_2(p(i))$$

Test Dataset

Test the function on a public geo-spatial dataset that you can find on the internet.