

VIVEKANANDA COLLEGE THAKURPUKUR KOLKATA-700063

NAAC ACCREDITED 'A' GRADE



Topic: Delineation of formal regions by Weighted Index method

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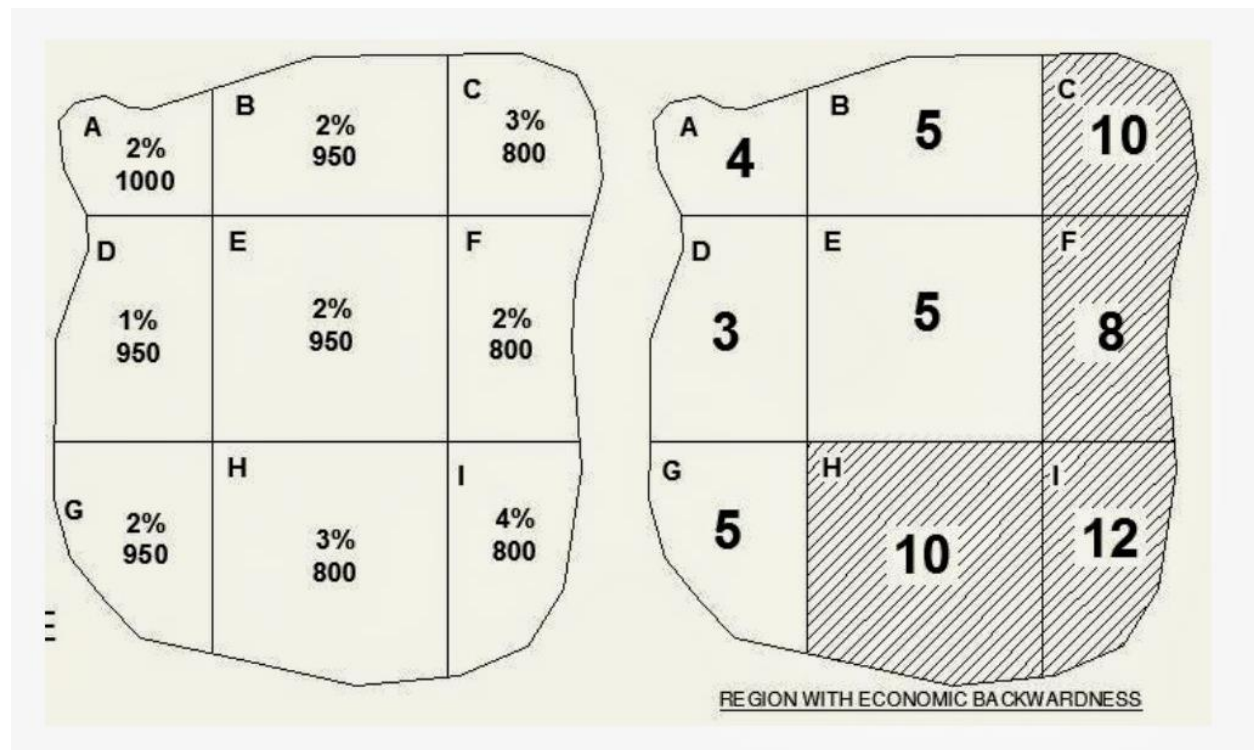
The Weighted Index Number Method

In this method, some indices (parameters) are chosen and given weights, total weights for each part is separately calculated and areas with similar weights are carved out. This area is termed as 'region'.

Example:

To carve out a region of economic backwardness the parameters chosen were % of unemployment and Per capita income. Then accordingly the weights were set up. It was decided that for every 1% of unemployment 2 weights shall be assigned and setting 1000 as the base for every 50 points below 1000, 1 weight shall be assigned. Hence more is the total weight more is the backwardness.

Suppose we consider a hypothetical area divided into 9 blocks having the given unemployment percentages and per capita income. If we then apply weights to each block as stated in the previous paragraph we will find that we can hatch an area with relatively more economic backwardness.



Weighted Index Method Delineation Example

Hence, after assigning the weights we could find that area HIFC forms the area of economic backwardness.

There are certain demerits of this method. To apply this method, the region must have proper delineated parts. This method can only be applied where quantifiable data is available and this method is not useful for delineating regions having natural/ physiographic features.

Similarly, you can use this method for employment & income level delineation

The study area is divided into several localities varying according to unemployment rates and per capita income levels.

The aim is to isolate the main problem region; i.e. the area of economic malaise.

Weights are assigned to each criteria and when taken together and weighted, one of the region can be isolated.