

DOT METHOD

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UNIT- 1

DOT METHOD

- **We have different type/ set of data.**
- **The data may be of single or two variables or more than two variables.**
- **It is a difficult task to select any one diagram for the given data.**
- **It is obvious that data have definite set of information's.**

DOT METHOD

e.g.-

- **The data related to population are also of different type.**
- **It may be data of population distribution, it may be of density, it may be of literacy, occupation, age-sex structure or so on.**
- **The representation of data through diagram is a technique.**
- **You have to be very careful in selection of diagram for the data given or provided.**

DOT METHOD

Q. Where we use dot method ?

Ans. If the data of absolute population or of any geographical element to show their distribution through administrative unit (district wise or state wise or country wise) then we use dot method to represent that data .It is a cartogram where we represent only one variable or element with the help of dots.

DOT METHOD

Q. What is Dot Method in geography?

Ans.- Dot method is used in geography to represent the distribution of absolute number/population on a map (according to given administrative boundary) of given data by placing number of dots of uniform size according to the selected scale. Here, we need data of only one variable or geographical element.

DOT METHOD

- **Method of Construction :-**
- A- Collection of statistical (associated) data
- B- Tabulation of data
- C- Selection or determination of numerical value of one (single)dot
- D- Placing of dots

DOT METHOD

A- Collection of Statistical (associated) Data

- First step is collection of associated statistical data (either of population, cattle, crop, mineral etc.) for which you have to work with .
- Second step is arrangement of data in sequence , if it requires.

DOT METHOD

- **B- Tabulation of data**
- The next important step here is the tabulation of the data in a organised way for the smooth execution of the work.

DOT METHOD

C- Selection or determination of numerical value of one (single)dot

- This is the vital step on which the whole work depends.
- Now, we have to determine the numerical value of one or single dot.
- Determination of numerical value of one single dot totally depends on the user.
- It is up to you to determine the numerical value.
- Therefore, for one question , number of dots may varies on the map according to one's selection.

DOT METHOD

- Selection or numerical value of a dot depends on the highest and lowest value of the data given .
- According to the data, user has to select the numerical value of single dot, so that the whole data should be equally represented.
- Avoid to select the scale to represent only one or two dots in an administrative unit.
- It is more appropriate to give or use as many dots as possible . It totally depends on you.

DOT METHOD

- e.g-
- Suppose , the population of the given data varies between 50 lakh to 5 lakh.
- You select the scale 1 lakh =1 dot , then the whole process will be under 5 to 50 dots.
- In such a situation, the whole area will not be represented equally according to the data given

DOT METHOD

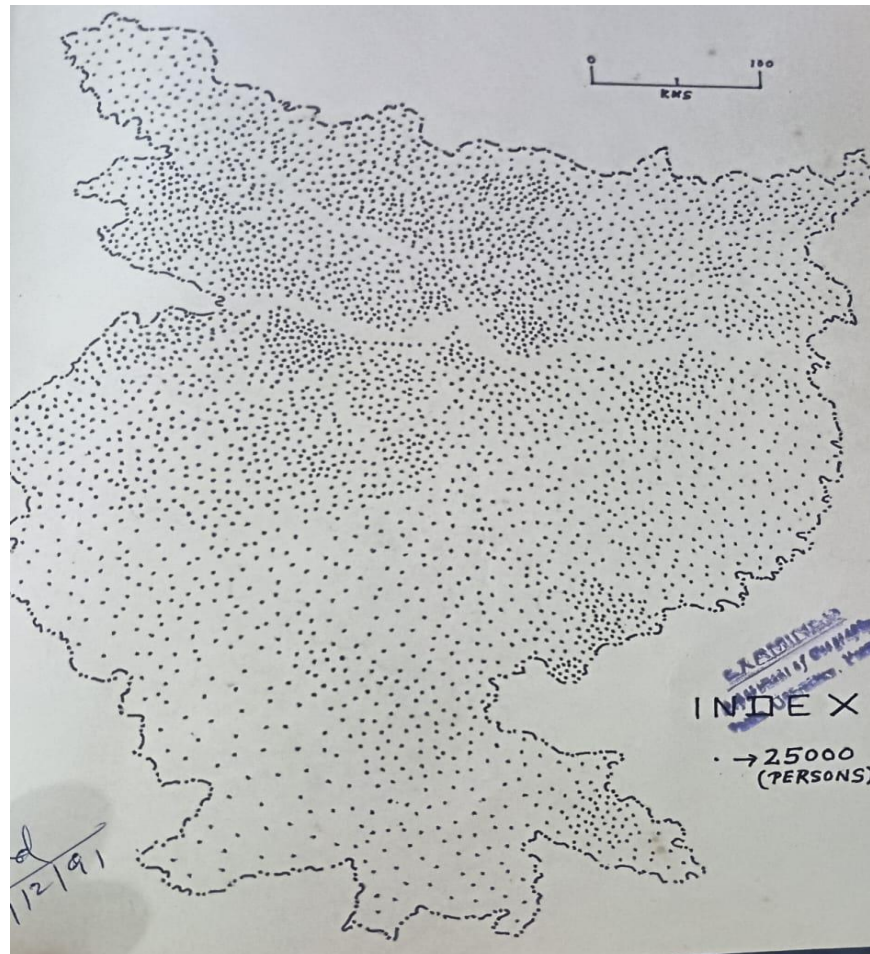
- **Then what to do ?**
- In such type of data you have to select the scale very carefully.
- Suppose, you select 1 dot for 50,000 population or one dot to represent 25000 population.
- The number of dot will be certainly more than that of the scale 1 dot = 50 lakh population.
- As you represent the less population by one dot , the number of dots covers the whole area and thus it will represent the whole area equally.

DOT METHOD

D- Placing of dots :

- It is also an important aspect/part of this method.
- Administrative unit may have mountains, plateaus, rivers and large lakes.
- Mean to say that you have to avoid such areas to give dense dots (mountains, plateaus).
- You have to avoid to put any dot in major river or lake of the area under an administrative unit.
- First of all, you put the maximum number of dots near and around the headquarters.
- Place the maximum number of dots near or along the river or lake. But must avoid to put dot in any river, lake or so on.

DOT METHOD



DOT METHOD

- Q. Represent the distribution of population on the map of either Bihar or India according to the census data of 2011 by dot method .

DOT METHOD

- **THE END**



THANK YOU

- **HAVE A NICE**