**PRACTICAL-09**

**AIM:-**:Creating geospatial feature maps in tableau using geospatial data

**THEORY**

In Tableau Desktop, you can connect to the following spatial file types: Shape files, MapInfo tables, KML (Keyhole Mark-up Language) files, GeoJSON files, TopoJSON files, and Esri File Geodatabases. You can then create point, line, or polygon maps using the data in those files. With a Creator license in Tableau Cloud or Tableau Server, you can upload spatial file formats that only require one file (KML, GeoJSON, TopoJSON, Esri shape files packaged in a.zip, and Esri File Geodatabases with the extension .gdb.zip) in the Files tab when you create a new workbook and connect to data. In current versions of tableau, you can only connect to point geometrics, linear geometrics, or polygons. You cannot connect to mixed geometry types.

**DATASET:** The dataset speaks of different county/region with respect to family, happiness, generosity etc.

**STEPS**

1. In tableau desktop: click the new data source icon and select spatial file. OR in tableau cloud or tableau server: select create > workbook. Select the files tab.
2. Navigate to the folder that contains the spatial data, select the spatial file you want to connect to, and then click open.
3. Drag and drop the country or state wise data we want to represent in the geospatial chart, into the sheet.
4. In the data pane, under the measures, the longitude and latitude is generated in the columns and rows respectively.
5. Drag and drop sum of happiness into colour under the marks date pane.
6. On the right the sum (happiness rank) exists and the colour can be changed.

**RESULT**

