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Author: Mr. Firas Abou Naaj
University of Dubai, United Arab Emirates

Mr. Saeed Al Mansoori
Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates
Mr. Mohammad Haneef
University of Dubai, United Arab Emirates
Ms. Navneet Kaur
University of Dubai, United Arab Emirates

# VISUALIZATION OF MBRSC SATELLITE DATA USING KEPLER

**Abstract**

MBRSC (Mohammed Bin Rashid Space Centre) often needs to deal with client's data, which refers to a base map and geo coordinates. These data will not have any live value unless it is visualized properly. We are customizing the open source visualization tool called Kepler.gl, which is an open source data-agnostic web application that provide high performance visualization of large amounts of data. Kepler.gl allows the user to render millions of points that would represent what the user have uploaded and that file could be either be a CSV (comma-separated values) or GeoJSON, some of the examples of data that Kepler.gl allows you to visualize are taxi trips and car accidents. The application will provide MBRSC with the ability to not only render points but it also allow them to play with how they wish to visualize the data by using different styles such as arcs, lines, polygons and many more. Kepler.gl even provide deeper customization by changing what is the color you wish to represent the data and even filter the data based on the date and time. Kepler.gl allows MBRSC the ability to decide on how the user is able to access their data visualization by selecting whether they are able to read or read and write.