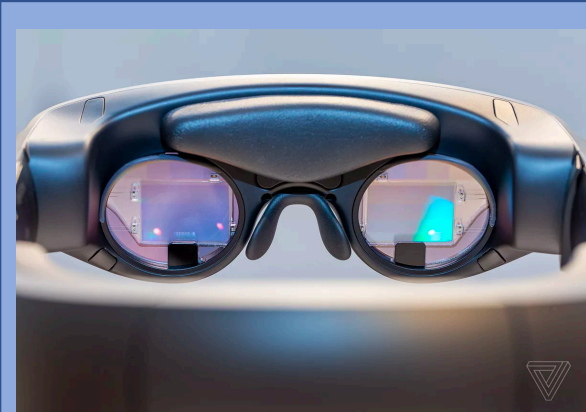


# Using Augmented Reality for Complex Data Visualization



## MAGIC LEAP

Head-mounted virtual retinal called Magic Leap One was introduced by the Magic Leap start-up that superimposes three-dimensional computer-generated images into the user's physical display

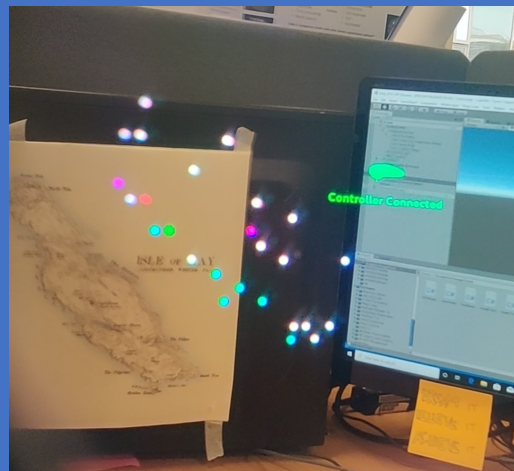
The main aim behind this was to understand how the three-dimensional environment can facilitate the field of data analysis. Could three dimensional visualizations be used for interacting with data, processing it efficiently and extracting useful information from it in a collaborative environment?



### Static Data

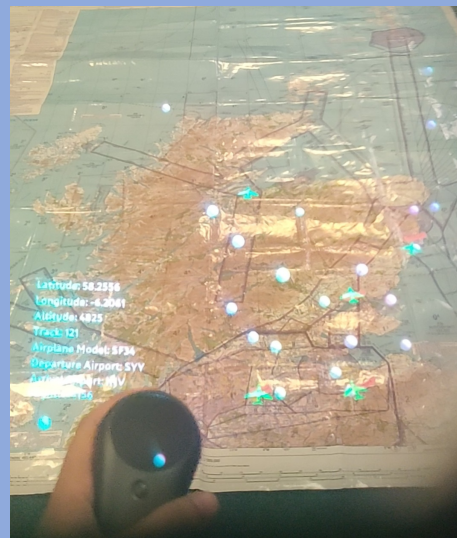
### Isle of May

The Magic Leap system was used to build a 3D data visualization of the different species of birds that are present on the famous Isle of May in Scotland.



### Real Time Data

### Airplane Tracker



The Magic Leap system was used to build a 3D data visualization of the airplanes that are currently in Scotland's airspace. Real time data was being scraped off a site called FlightRadar24.

The projects built using the Magic Leap are mere examples of how important visualizing data sets can be to figure out patterns and trends which would benefit us in drawing conclusions. In the age of big data, companies are hiring more and more data scientists to utilize as much data as they can. Artificial intelligence and machine learning models are also being used to derive insights. Using virtual and augmented reality as means of visualizing data in three-dimensional space can be the next big break for the world of technology.

