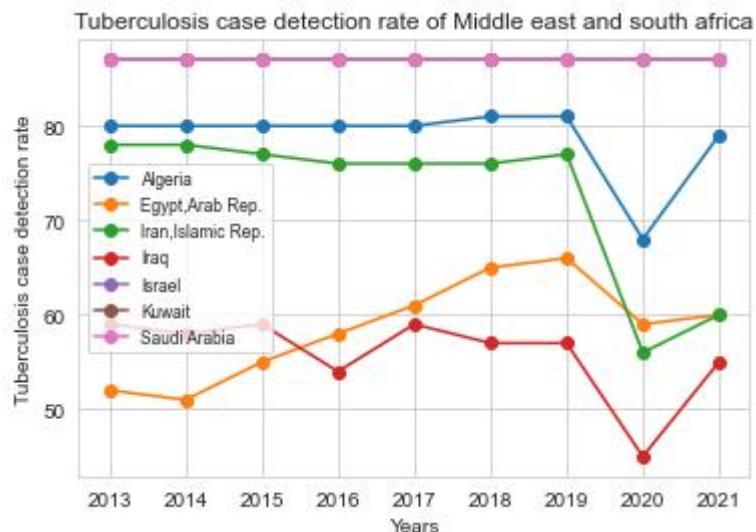


### Line Plot:

The trend of case detection rates for each nation over time is shown using a line plot. The x-axis shows the years, and each country has its own line. An overview of the changes in case detection rates for each country during the observed time is shown by the lines.

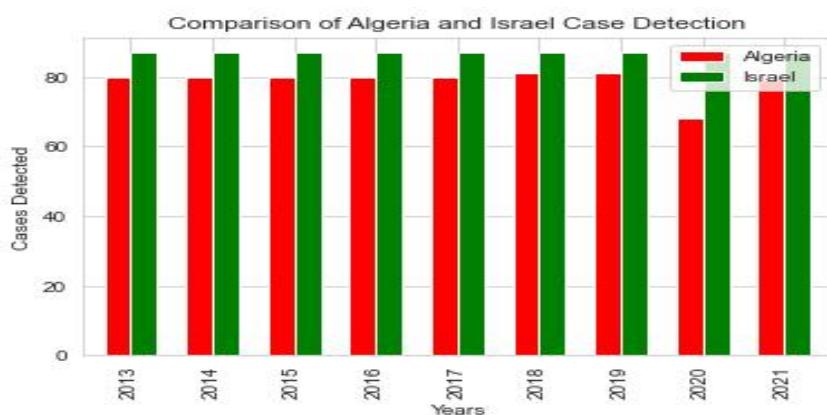


### Outcomes:

- The rates of case discovery in Algeria and Iran have been steadily rising over time.
- Egypt, Israel, and Kuwait show varying rates of case detection.
- Over the years under observation, Saudi Arabia's case detection rate has remained steady.

### Bar Plot:

The case detection rates for a given year are compared between various countries using a bar plot. A bar shows the case detection rate for each country for a given year. Comparing the case detection rates of different countries within an interval of time may be done with the aid of this plot.

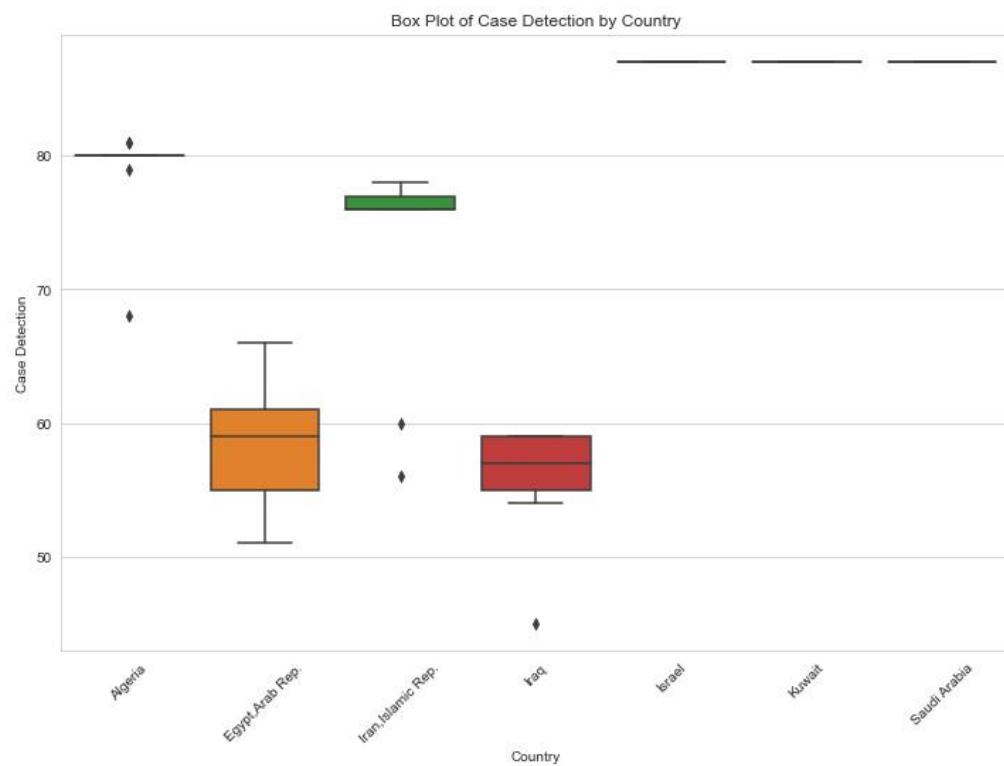


## **Discoveries:**

- Compared to other nations, Algeria and Iran have greater case detection rates in 2018.
- In 2018, Saudi Arabia had the lowest rate of case discovery.

## **Box Plot:**

The distribution of case detection rates for each nation is shown visually in the box plot. It sheds light on the distribution of the data's central tendency, dispersion, and presence of outliers.



## **Findings:**

- When compared to other nations, Algeria and Iran have comparatively higher median case detection rates.
- The case detection rates in Saudi Arabia, Egypt, and Iraq are more widely distributed.
- There are certain outliers that show differences in case detection rates, including Israel, Kuwait, and Saudi Arabia.
- Understanding the patterns, trends, and distribution of case detection rates across nations over the designated years is made easier with the aid of these illustrations. Based on your particular research objectives, these plots can offer insightful information about the properties of the data.