

Introduction to R

What is R?

R is an open source programming language used in data analytics, machine learning and statistical computing. It is available in Windows, MacOS and Unix platforms. R is now preferred as first language to learn by many researchers to solve their data analysis needs.

It is simple enough to learn as you proceed. You only need data and clear intent to draw conclusion based on analysis on that data.

Why to Use R

It gives control to developer for creating custom components which are not provided out of box in the dashboarding tools. R allows a user to quickly build decision trees to classify complex data. The classification can be used in any visualization to drive colour, shape or grouping, simply by dragging and dropping.

Availability in Dashboarding Tools

- 1) Power BI - Native Support for R Script Visual. Ref <https://docs.microsoft.com/en-us/power-bi/desktop-r-visuals>
- 2) Tableau - Supported with Limitations. Ref <https://www.tableau.com/learn/whitepapers/using-r-and-tableau>
- 3) Lumira - Not Supported
- 4) Qlik Sense - Supported. Ref <https://community.qlik.com/docs/DOC-18785>

Pre Req

Basic knowledge on how to code in R language will be beneficial

Inspirations

Sky is the limit when it comes to possibilities for creating visualizations using R scripts. Below link shows example views when R scripts are utilized in Power BI <http://community.powerbi.com/t5/R-Script-Showcase/bd-p/RVisuals>