

The tools used for the exercise:

R Programming language / R environment:

It is a computer programming language used for data visualization and statistical analysis of data. I initially imported the MAF file in R-Studio as a data frame to look at the data table using *read.delim* function of R. Later I downloaded and installed maftools in my working environment to conduct rest of my analysis as the file format given to me for the assignment was a MAF file.

Maftools:

Maftools can be used to visualize as well as analyze data. The beginning of the work pipeline starts with a *read.maf* function that reads a MAF file present in the work environment.

Reference: Mayakonda, A. & Koeffler, H.P. Maftools: Efficient analysis, visualization and summarization of MAF files

from large-scale cohort based cancer studies. bioRxiv (2016). doi: <http://dx.doi.org/10.1101/052662>