**Comparative Analysis of data analytics Tools ( R and Excel )**

Introduction :

* This is the era of big data and AI where everything is data and data is fuel of 21’st century. Every business creates , maintains databases in order to gain their profits and not only businesses but almost every sector is generating data and data being generated frequently in addition it’s coming along with it’s complexity. The work to navigate and explore the meaning of the results from the data analysis to further support the user to do the applicable decision. It helps the extract meaningful summarization of the mining results ( Provide ac concise piece of information out of the data).

Problems :

* Some trends are refered to as systematic bias and should be minimized as part of well-designed protocol
* Most data analysis are not for large scale and complex dataset
* Traditional data analysis methods cannot be scaled up because those methods assume they will be perform on single machine
* Most traditionally data analysis method cannot be dynamically adjusted
* Indication of marketing of big data is about $16.1 billion in 2014 and will be in 2017 $32.4 billion and further pointed out the marketing of big data will be $46.34 billion , $114 billion by 2018
* According to the estimation of layman and varian , the new data store in digital media devices have already been more than 92% in 2002
* Size of these new data was also more than five Exabyte
* Creation of data is usually much easier than finding useful things from the data