

Goldstone Analytics Bulletin



Boost Your Data Wrangling with R

The R language is often perceived as a language for statisticians and data scientists. Quite a long time ago, this was mostly true. However, over the years the flexibility R provides via packages has made R into a more general purpose language. R was open sourced in 1995, and since that time repositories of R packages are constantly growing. Comparing to languages like Python, R is strongly based around the data.

Speaking about data, tabular data deserves particular attention, as it's one of the most commonly used data types. It is a data type which corresponds to a table structure known in databases, where each column can be of a different type, and processing performance of that particular data type is the crucial factor for many applications.

R can be used for very efficient data wrangling of tabular data.

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Tableau pricing shifts to subscription to keep up with market demands



In a reaction to emerging market demands and challenges.

Seattle-based Tableau Software is introducing subscription pricing as its primary pricing model in place of the standard perpetual licensing plan that the self-service business intelligence vendor has been using. Under the new pricing structure, customers will pay:



Tableau Desktop Personal:
\$35 USD / user / month (billed annually)

Tableau Desktop Professional:
\$70 USD / user / month (billed annually)

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Tableau Server: \$35 USD / user / month (billed annually)

Tableau Online: \$42 USD / user / month (billed annually)



Tableau strengthens its capabilities...



"Tableau strengthens its case with cross-database joins, browser-based authoring, and geo-analysis improvements"

Tableau describes its products as offering “analytics that work the way you think” and says these tools harness “people’s natural ability to spot visual patterns quickly, revealing everyday opportunities and eureka moments alike.” There’s a certain amount of truth in that, although you could say almost the same thing about at least five other BI tools. The self-service visual analytics approach is becoming mainstream.

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India's investment in Big Data will ensure governance

Data is important to ensure efficient strategic planning, policy decisions, governance, and empowering communities. Over the years, technological expansion has contributed immensely towards building a prosperous and sustainable future.

A NASSCOM report estimates that India's analytics market could increase from \$1 billion to \$2.3 billion by the end of 2017-18. However, the benefits of this revolution are yet to be fully harnessed by the public sector.

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"Data that is loved tends to survive."

Kurt Bollacker - Statistician, Author and Consultant



Data processing today is done in form of pipelines which include various steps like aggregation, sanitization, filtering and finally generating insights by applying various statistical models. Amazon Kinesis is a platform to build pipelines for streaming data at the scale of terabytes per hour. Parts of the Kinesis platform are a direct competitor to the Apache Kafka project for Big Data Analysis.

The platform is divided into three separate products: Firehouse, Streams, and Analytics. All three of these solve different problems.

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