

Uso de Herramientas Tecnológicas para Data Analytics y Big Data

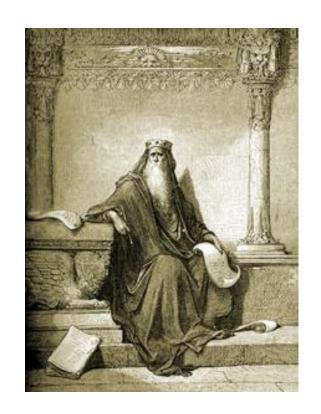
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Palabras de Koheleth Hijo de David, Rey en Jerusalem ~ 200 D.C.

> "No hay nada nuevo bajo el Sol!"



Ecclesiastes Chapter 1 verso 9













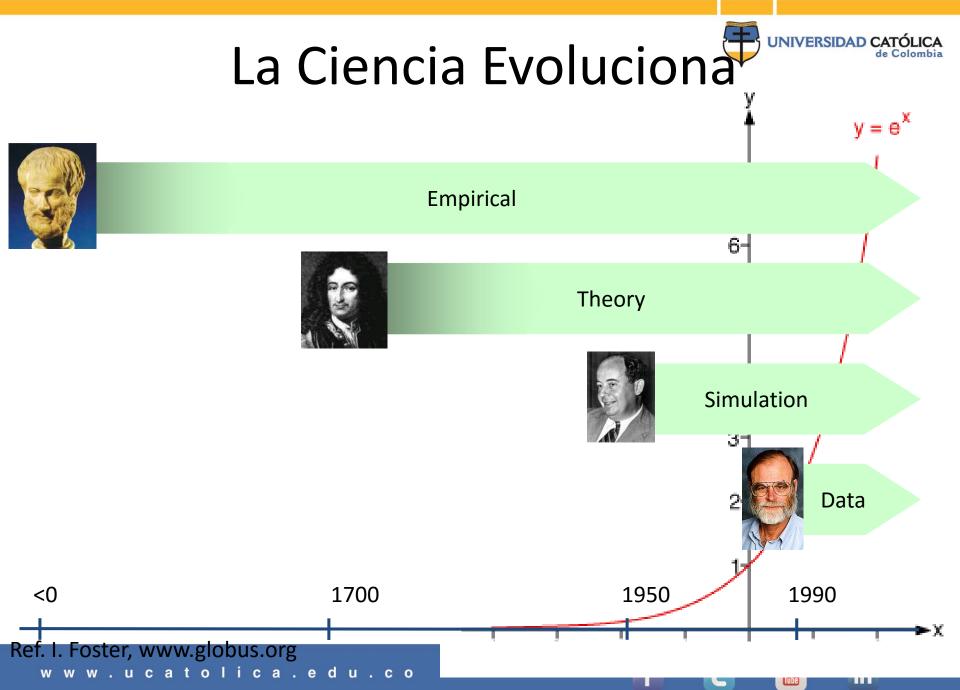
E-Ciencia





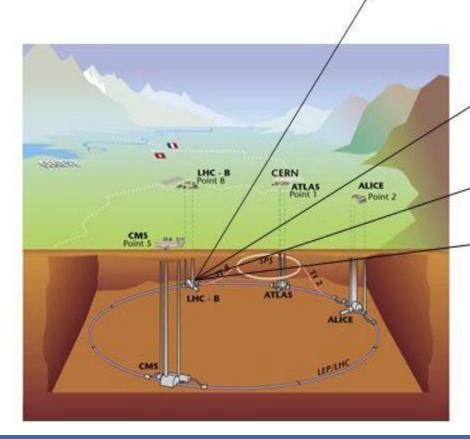


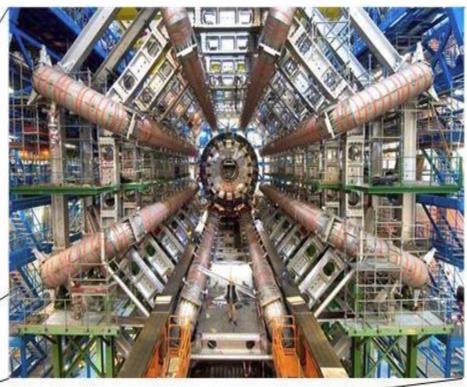










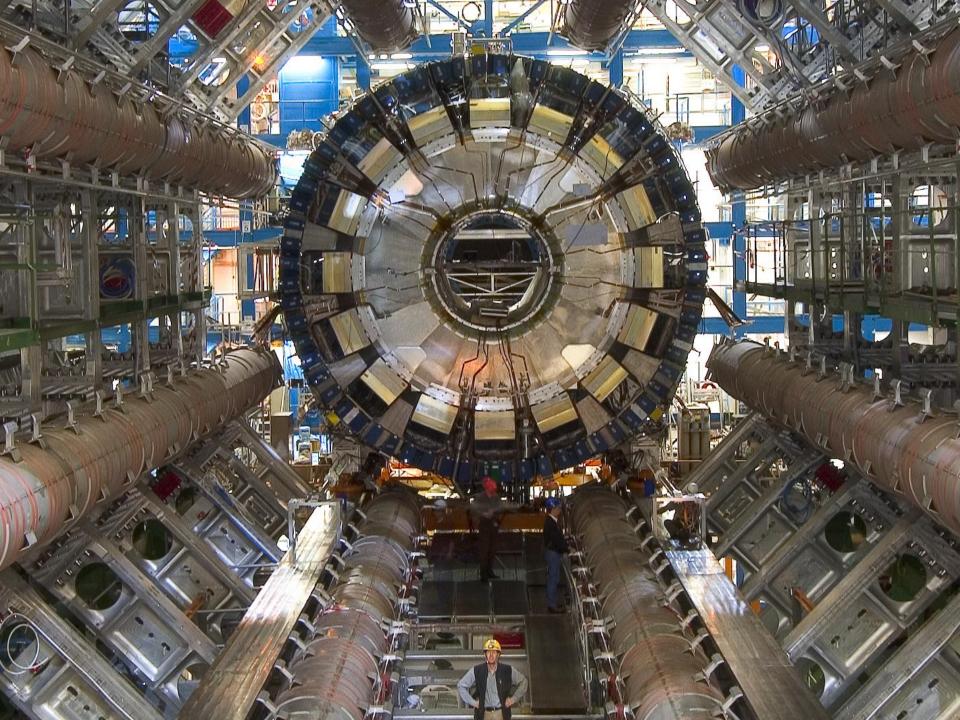
















E-Ciencia

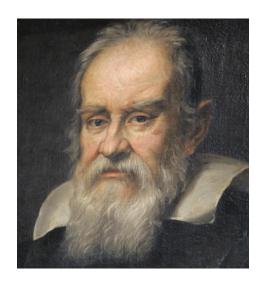


E-Ciencia

"e-Science is about global collaboration in key areas of science and the next generation of infrastructure that will enable it." - Dr John Taylor, Director General of Research Councils

"The term "e-Science" denotes the systematic development of research methods that exploit advanced computational thinking" - Professor Malcolm Atkinson, e-Science Envoy.







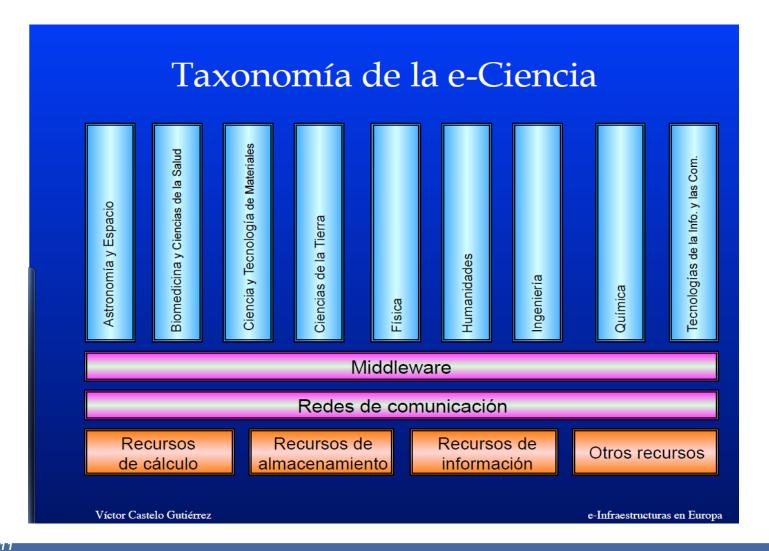






E-Ciencia















Big Data & Data Science











¿De donde la moda del Big Data?



"big data has arrived at Seton Health Care Family, fortunately accompanied by an analytics tool that will help deal with the complexity of more than two million patient contacts a year..."



"Increasingly, businesses are applying analytics to social media such as Facebook and Twitter, as well as to product review websites, to try to "understand where customers are, what makes them tick and what they want", says Deepak Advani, who heads IBM's predictive analytics group."

The New Hork Times

"At the World Economic
Forum last month in Davos,
Switzerland, Big Data was a
marquee topic. A report by the
forum, "big data, Big Impact,"
declared data a new class of
economic asset, like currency
or gold.



"Data is the new oil." Clive Humby

THE WALL STREET JOURNAL

"Companies are being inundated with data—from information on customer-buying habits to supply-chain efficiency. But many managers struggle to make sense of the numbers."

Forbes

"... now Watson is being put to work digesting millions of pages of research, incorporating the best clinical practices and monitoring the outcomes to assist physicians in treating cancer patients."



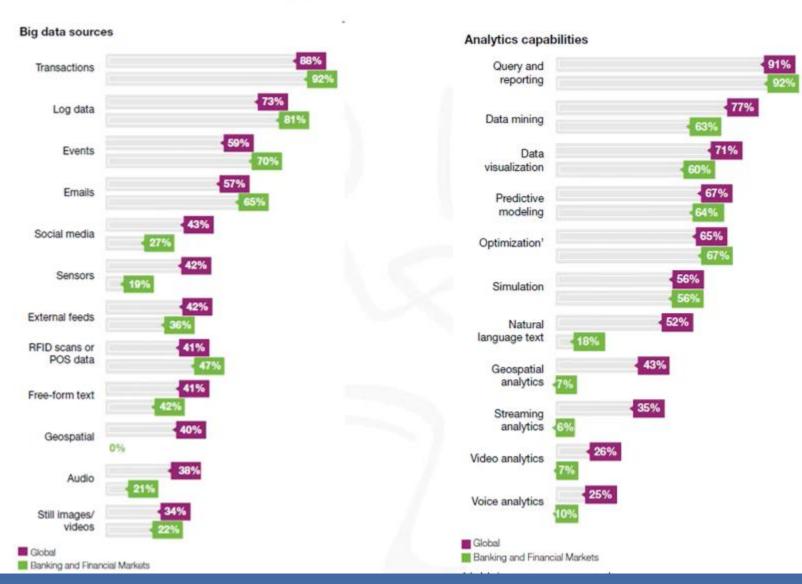






¿Fuentes de Datos? 🛡











Big Data is Not Only Hadoop!

- Examples where Hadoop is not entirely applicable:
 - Cyber security, Stock market, Traffic control, Sensor information, monitoring trends in Social Media
 - What if your company has many silos of information, difficult to move to HDFS?
 - What about governance? Can we trust the source of this data?









¿De donde la moda del Big Data?

"Big Data is like teenage sex;
everyone talks about it, nobody
really knows how to do it, everyone
thinks everyone else is doing it, so
everyone claims they are doing it."

Dan Ariely, Duke University Director of the Center for Advanced Hindsight



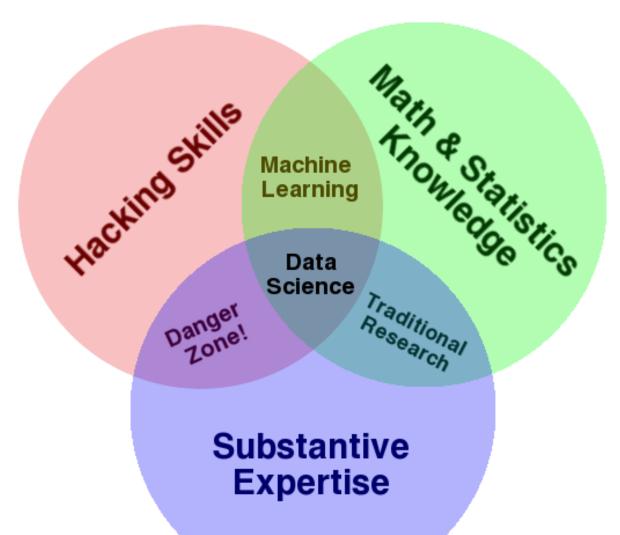








¿Data Science?

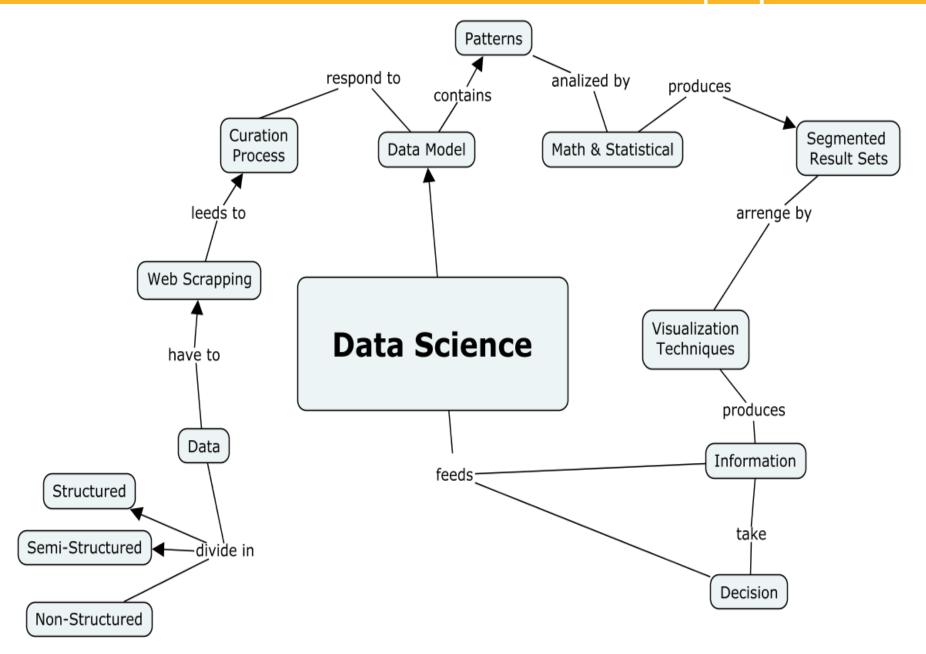








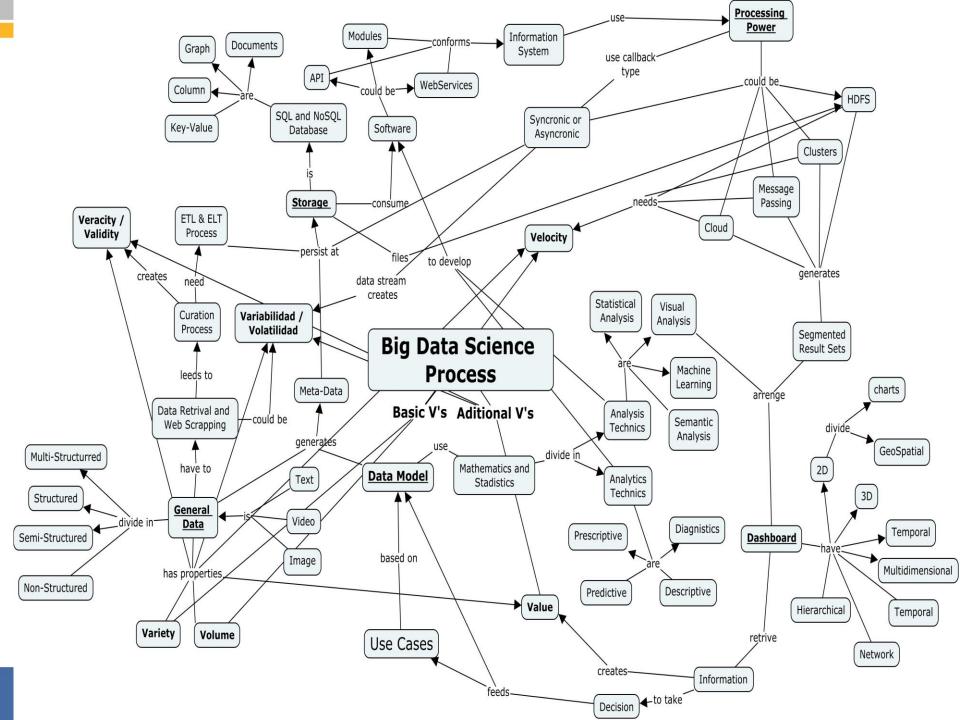












Data Scientist

A data scientist is someone who is better at statistics than any software engineer and better at software engineering than any statistician.

math



Data deaning and munging unging

DataWrangler Jler ler

Data visualization zation



Stats

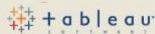








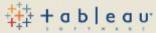












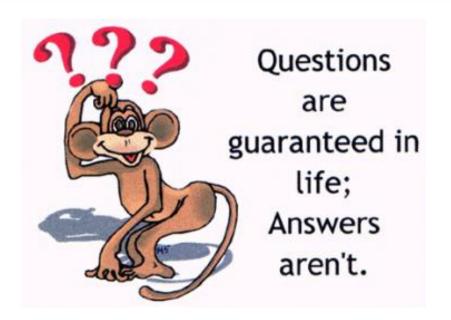












¿Preguntas?

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