

Introducción y conceptos básicos

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Índice

1 Minería de datos y paradigma Big Data

- Definición y objetivos
- Tendencias

2 Inteligencia del negocio

- Definición y objetivos
- Roles en el contexto de la BI
- Metodologías de análisis:
KDD, SEMMA y CRISP-DM

Minería de datos y paradigma Big Data

Minería de datos y paradigma Big Data



Big Data

Big Data



Gartner Hype Cycle 2015

Google's Driverless Car

Gartner Hype Cycle 2020

Elon Musk's Neuralink Chip

Actualidad I

16:28

Facebook espera sacar su propio reloj inteligente en 2022 para competir con el Apple Watch

El gigante **Facebook** espera entrar en el negocio de los relojes inteligentes con un modelo pensado para competir con la gama Apple Watch. Según publica el medio *The Information*, la compañía liderada por Mark Zuckerberg confía en sacar su propio [smartwatch el próximo año](#).

Actualidad II

14:58

Francia multa a Google con 1,1 millones por clasificar los hoteles del país de forma "engañosa"

La Dirección General de la Competencia, el Consumo y la Lucha contra el Fraude de Francia (DGCCRF, por sus siglas en inglés) ha multado con 1,1 millones de euros a Google por haber usado una clasificación de hoteles "engañosa" en sus servicios y su motor de búsqueda, según ha informado este lunes en un comunicado.

↳ ¿Cómo sería la vida sin Google? La compañía amenaza con dejar a Australia sin acceso al buscador

Inteligencia del negocio

Inteligencia del negocio



Big data de las redes sociales para predecir el comportamiento ciudadano

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Big Data enfocado desde la privacidad

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Roles en el contexto de la BI

Data Analyst Salary

Data analysts are quant-focused professionals that work hands-on with data, and tend to be at a stage in their career where they are building up their arsenal of tools and developing towards an advanced skill set. Data analysts are potentially '[data scientists in training](#)' or 'analytics managers in training'.

Because it is possible to become a data analyst directly out of school, we will differentiate between entry-level and experienced data analysts. For entry-level data analysts, we refer to individuals who have either a BS or MS degree, but no full-time industry work experience.

Suggested Salary Range for Data Analyst – Entry-Level

\$50,000 – \$75,000

Data analysts that have had the chance prove themselves and get promoted through the ranks will command increasing levels of compensation, up through the six-figure threshold.

Suggested Salary Range for Data Analyst – Experienced

\$65,000 – \$110,000

Notably, the top end of this range blurs with both the data scientist category and analytics manager category, as senior-level analysts deepen their advanced quantitative skills sets as well as gain leadership experience.

Roles en el contexto de la BI

Data Scientist Salary

Data scientists are experienced, expert-level professionals in a data-driven company or organization; i.e., there are no entry-level data scientists. Data science salary is generally quite substantial, reaching well into the six-figure range.

This is for a couple reasons:

- Data scientists can bring an immense amount of value to the table, by serving as experts in translating complex data into key strategy insight and powerful capabilities. The nature of their work allows them to have a potentially multiplicative effect on the business, rather than just an additive effect as with many other jobs.
- There is a scarcity of professionals with data scientist skills. Not enough talent to go around has led to heavy competition to hire the same set of individuals.

Suggested Salary Range for Data Scientist

\$85,000 – \$170,000

Roles en el contexto de la BI

Data Science/Analytics Manager Salary

This category comprises of analytics/data science professionals who have risen to a level of managing teams of analysts or data scientists. People in these roles are expected to have sharp technical and quantitative skills in order to speak the same language as their direct reports and earn their respect. Their analytics foundation also gives them the nuanced comprehension to be seasoned architects of major data-driven initiatives. Furthermore, business aptitude and leadership skills are essential to steer their teams strategically.

Roles in this category may have a variety of job titles, such as '*Manager, Analytics and Insights*' or '*Director of Data Science*'. Overall, the spread in seniority among these managers is broad enough that it makes sense to split them into 3 subgroups, categorized by the number of direct reports. In actuality, the number of reporting employees is not a perfect indication of level, but in our case we will use it as a proxy:

- **First-Level Managers** (manages 1-3 analytics/engineering personnel)
- **Middle-Level Managers** (manages 4-9 analytics/engineering personnel)
- **Top-Level Managers** (manages 10+ analytics/engineering personnel)

Suggested Salary Range for Analytics Manager – 1-3 Direct Reports

\$90,000 – \$140,000

Suggested Salary Range for Analytics Manager – 4-9 Direct Reports

\$130,000 – \$175,000

Suggested Salary Range for Analytics Manager – 10+ Direct Reports

\$160,000 – \$240,000

Roles en el contexto de la BI

DBA Salary

Database Administrators are responsible for the upkeep of data systems; they are important assets for any company that relies on database technology. DBAs have technical roles, where level of experience as well as familiarity with different types of technologies certainly affects salary level. Because DBAs may start at the entry level, we'll separate between junior-level and more experienced DBAs:

Suggested Salary Range for DBA – Entry-Level

\$50,000 – \$70,000

Suggested Salary Range for DBA – Experienced

\$70,000 – \$120,000

Especialmente entre DBAs experimentados, la complejidad de los sistemas a los que un DBA es responsable puede hacer una diferencia en la compensación. Por ejemplo, los RDBMS tradicionales son más básicos de trabajar que las plataformas avanzadas de big data, donde los pilares son **Hadoop** y **NoSQL technologies**. Notablemente, al trabajar en gran profundidad con tecnología avanzada NoSQL, hay un área donde la categoría de DBA se mezcla con la de ingeniero de software de big data.

Roles en el contexto de la BI

Big Data Engineer Salary

Foundationally, [big data](#) is enabled by technology. In order for a company to reach the point where big data can solve problems and drive business value, expert engineers are essential in order to architect the data platforms and applications on which all analytical capabilities can function. To use an analogy – these data engineers build and tune the racecar, while data scientists and analytics teams attempt to drive it to victory.

The actual titles for these roles can manifest themselves in many ways, for example:

- Data Engineer
- Software Engineer – Big Data
- Big Data Software Architect
- Hadoop Developer

The systems that these engineers work with are highly sophisticated. Core technical concepts often include: distributed computing and the Hadoop software ecosystem, NoSQL database architecture, data warehousing ETL, etc. Working within these constructs demands seasoned programming ability as well as deep knowledge around information architecture. With the nuanced, rarefied technical skills required to be strong developers in this space, big data engineers are well-compensated for what they bring to the table.

Because level of experience in this space does matter, we will break out this category into two groups:

Suggested Salary Range for Data Engineer – Junior/Generalist

\$70,000 – \$115,000

Suggested Salary Range for Big Data Engineer – Domain Expert

\$100,000 – \$165,000

Resumen

