

DATA SCIENCE ROLES



A quick guide for HR

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Our mission is to **help companies** and **recruitment agencies** to advertise data related jobs to European data professionals.
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DATA ENGINEER

TASKS

- **Design, build, and maintain** data pipelines
- **Ensure** data reliability, efficiency, and quality
- **Develop and integrate** data storage solutions

RESPONSIBILITIES

- **Extract, transform, and load** (ETL) data from various sources
- **Collaborate** with data scientists and analysts to support their needs
- **Keep** data secure and compliant with regulations

SKILLS

- Programming languages (e.g., **Python, Java, Scala**)
- Big data technologies (e.g., **Hadoop, Spark**)
- Database systems (e.g., **SQL, NoSQL**)



DATA ANALYST

TASKS

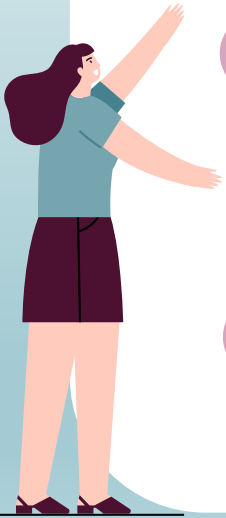
- **Collect, clean, and analyse** data to uncover insights
- **Create** reports and visualizations to communicate findings
- **Support** decision-making processes in the organization

RESPONSIBILITIES

- **Develop and monitor** key performance indicators (KPIs)
- **Use** statistical techniques to analyse data
- **Collaborate** with business stakeholders to address data-related questions

SKILLS

- Data analysis tools (e.g., **Excel, R, Python**)
- Data visualization tools (e.g., **Tableau, Power BI**)
- Strong **communication** and **critical thinking** skills



DATA SCIENTIST

TASKS

- **Apply** advanced statistical and machine learning techniques to solve complex problems
- **Develop** predictive and prescriptive models
- **Collaborate** with cross-functional teams to implement data-driven

RESPONSIBILITIES

- **Identify** valuable data sources and **automate** data collection processes
- **Conduct** research and develop innovative solutions to business problems
- **Interpret and communicate** results to stakeholders

SKILLS

- Machine learning libraries (e.g., **TensorFlow**, **scikit-learn**)
- Statistical analysis tools (e.g., **R**, **Python**)
- Strong **domain knowledge** and **problem-solving** skills



MACHINE LEARNING ENGR.

TASKS

- **Design, develop, and deploy** machine learning models
- **Optimize** algorithms to improve model performance
- **Implement and maintain** machine learning infrastructure

RESPONSIBILITIES

- **Collaborate** with data scientists to productionize models
- **Monitor and evaluate** the performance of deployed models
- **Research and implement** new ML techniques and algorithms

SKILLS

- **Deep understanding** of machine learning concepts
- Proficiency in programming languages (e.g., **Python, Java**)
- Experience with **ML frameworks** (e.g., **TensorFlow, PyTorch**)



DATA ARCHITECT

TASKS

- **Design and manage** data infrastructure and architecture
- **Develop and implement** data governance policies
- **Ensure** data security and compliance

RESPONSIBILITIES

- **Create and maintain** logical and physical data models
- **Collaborate** with data engineers and data scientists to optimize data storage and retrieval
- **Develop** strategies for data backup, recovery, and archiving

SKILLS

- **Database design and administration** (e.g., **SQL, NoSQL**)
- **Data modelling** and **warehousing** concepts
- **Data security** and **compliance standards**



BUSINESS ANALYST

TASKS

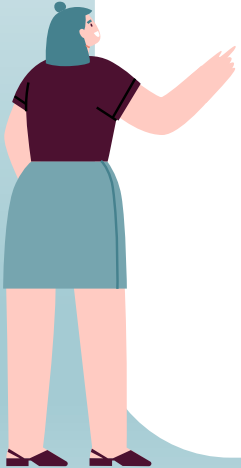
- **Understand** business needs and requirements
- **Translate** requirements into data-driven solutions
- **Monitor** and evaluate the impact of implemented solutions

RESPONSIBILITIES

- **Gather** and document business requirements
- **Collaborate** with data scientists and analysts to develop data-driven solutions
- **Communicate** results and recommendations to stakeholders

SKILLS

- Strong **analytical** and **problem-solving** skills
- **Gathering** and **documenting** business **requirements** from stakeholders
- Excellent **communication**, **presentation** and **interpersonal** skills



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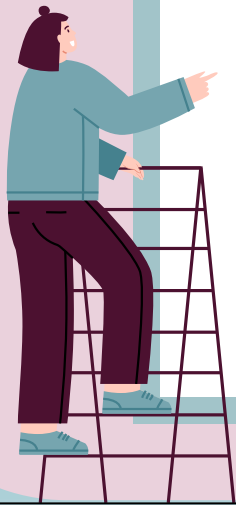
- **Each role** in data science **plays a vital part** in harnessing the **power of data**
- **Understanding** the **tasks, responsibilities** and **skills** of each role is **crucial** for a an **attractive job description**
- As the **field of data science** continues to **evolve**, these **roles** may **expand** and **adapt** to meet **new challenges** and **opportunities**



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THANKS!

<https://eudatajobs.com>

