

Профессия

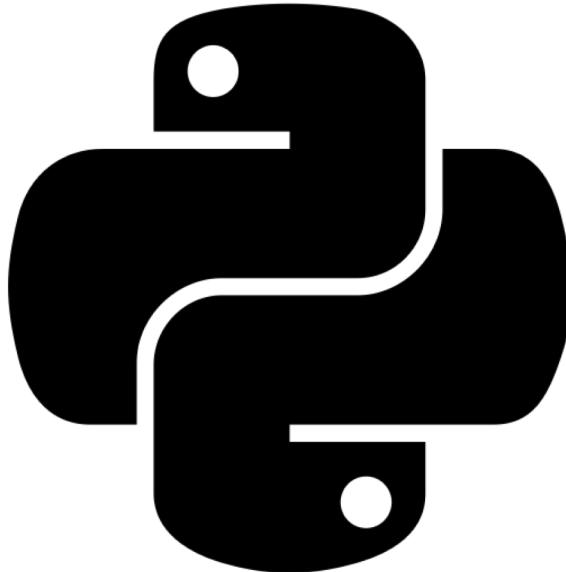
Data Scientist





День 1.

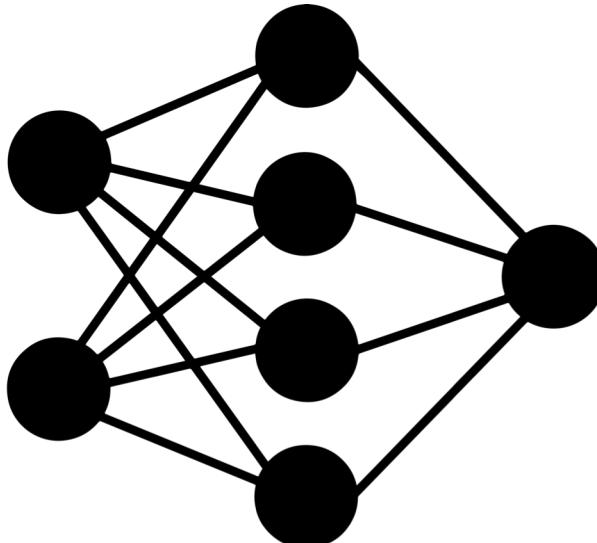
- Кто же такой Data Scientist?
- Настройка рабочего окружения
- Экспресс введение в Python
- Загрузка и визуализация данных
- Домашнее задание





День 2.

- Базовые сведения о машинном обучении
- Обучение первой модели
- Оценка качества полученной модели
- Дальнейшие шаги
- Домашнее задание

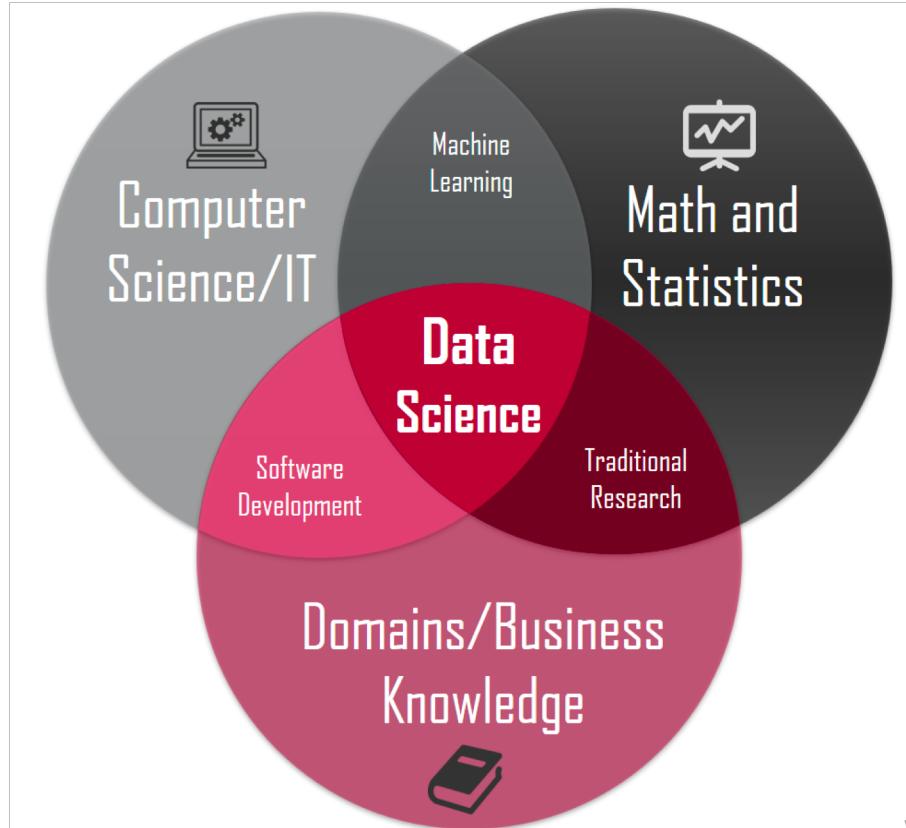


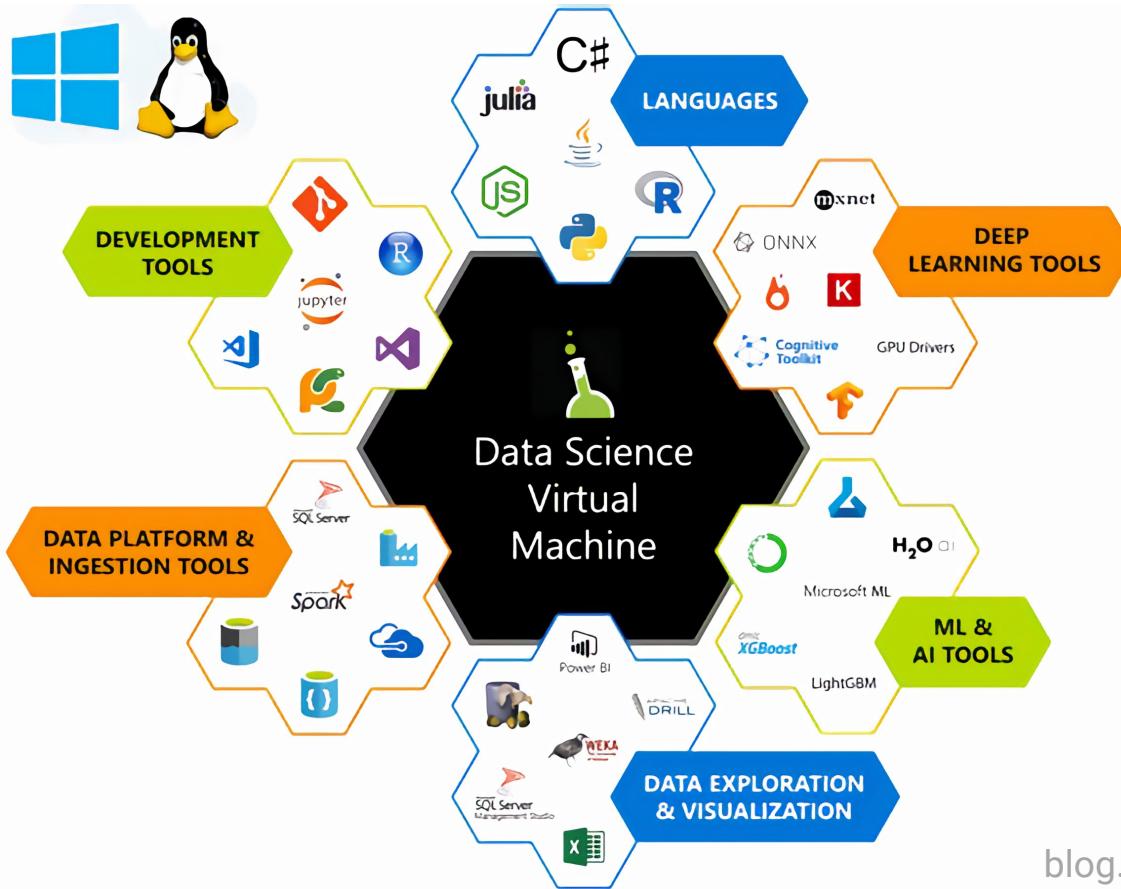


День 3.

- Ревью работ каждого участника
- Разбор ошибок
- Рефакторим код
- Выбор победителей
- Вручение призов











DATA SCIENTIST

'AS RARE AS UNICORNS'

Languages

R, SAS, Python, Matlab, SQL,
Hive, Pig, Spark

Skills & Talents

- ✓ Distributed computing
- ✓ Predictive modeling
- ✓ Story-telling and visualizing
- ✓ Math, Stats, Machine Learning



HIRED BY



Role

Cleans, massages and organizes
(big) data

Mindset

Curious data wizard



DATA ANALYST

'DATA DETECTIVE'

Role

Collects, processes and performs statistical data analyses

Mindset

Intuitive data junkie with high “figure-it-out” quotient



HIRED BY



Languages

R, Python, HTML, Javascript, C/C++, SQL

Skills & Talents

- ✓ *Spreadsheet tools (e.g. Excel)*
- ✓ *Database systems (SQL and NO SQL based)*
- ✓ *Communication & visualization*
- ✓ *Math, Stats, Machine Learning*



DATA ARCHITECT

THE CONTEMPORARY DATA MODELLER

Languages

SQL, XML, Hive, Pig, Spark

Skills & Talents

- ✓ Data warehousing solutions
- ✓ In-depth knowledge of database architecture
- ✓ Extraction Transformation and Load (ETL), spreadsheet and BI tools
- ✓ Data modeling
- ✓ Systems development



HIRED BY

VISA Coca-Cola logitech

Role:

Creates blueprints for data management systems to integrate, centralize, protect and maintain data sources

Mindset:

Inquiring ninja with a love for data architecture design patterns



DATA ENGINEER

'SOFTWARE ENGINEERS BY TRADE'

Role

Develops, constructs, tests and maintains architectures (such as databases and large-scale processing systems)

Mindset

All-purpose everyman



HIRED BY



Spotify®



Languages

SQL, Hive, Pig, R, Matlab, SAS, SPSS, Python, Java, Ruby, C++, Perl

Skills & Talents

- ✓ *Database systems (SQL & NO SQL based)*
- ✓ *Data modeling & ETL tools*
- ✓ *Data APIs*
- ✓ *Data warehousing solutions*



Languages

R, SAS, SPSS, Matlab, Stata, Python,
Perl, Hive, Pig, Spark, SQL

Skills & Talents

- ✓ Statistical theories & methodology
- ✓ Data mining & machine learning
- ✓ Distributed Computing (Hadoop)
- ✓ Database systems (SQL and NO SQL based)
- ✓ Cloud tools



HIRED BY



Johnson & Johnson



PEPSICO

STATISTICIAN HISTORIC LEADERS OF DATA

Role

Collects, analyzes and interprets qualitative as well as quantitative data with statistical theories and methods

Mindset

Logical and enthusiastic stats genius

DATABASE ADMINISTRATOR

'DATABASE CARETAKER'

Role

Ensures that the database is available to all relevant users, is performing properly and is being kept safe

Mindset

Master of Disaster Prevention



HIRED BY



Languages

SQL, Java, Ruby on Rails, XML, C#, Python

Skills & Talents

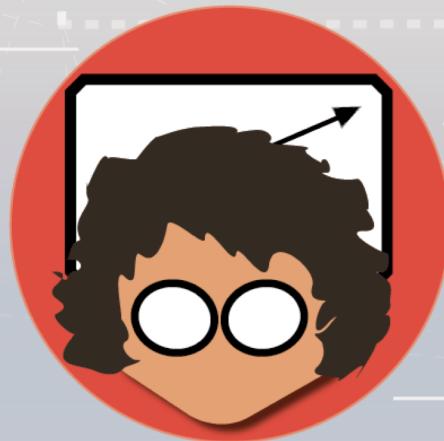
- ✓ *Backup & recovery*
- ✓ *Data modeling and design*
- ✓ *Distributed Computing (Hadoop)*
- ✓ *Database systems (SQL and NO SQL based)*
- ✓ *Data security*
- ✓ *ERP & business knowledge*

**Languages**

SQL

Skills & Talents

- ✓ Basic tools (e.g. MS Office)
- ✓ Data visualization tools (e.g. Tableau)
- ✓ Conscious listening and storytelling
- ✓ Business Intelligence understanding
- ✓ Data modeling



HIRED BY
U B E R  DELL 

BUSINESS ANALYST

'CHANGE AGENT'

Role

Improves business processes as intermediary between business and IT

Mindset

Resilient project juggler



DATA AND ANALYTICS MANAGER

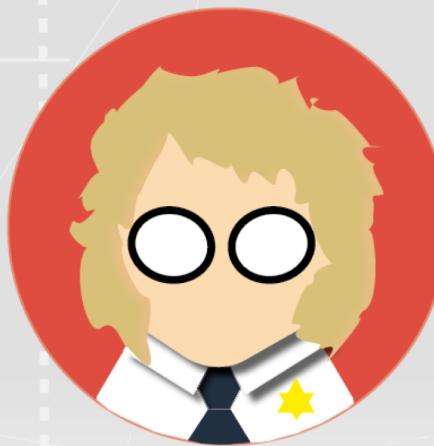
'DATA SCIENCE TEAM LEADER'

Role

Manages a team of analysts and data scientists

Mindset

Data Wizards' Cheerleader



HIRED BY



MOTOROLA SOLUTIONS

Languages

SQL, R, SAS, Python, Matlab, Java

Skills & Talents

- ✓ Database systems (SQL and NO SQL based)
- ✓ Leadership & project management
- ✓ Interpersonal communication
- ✓ Data mining & predictive modeling

