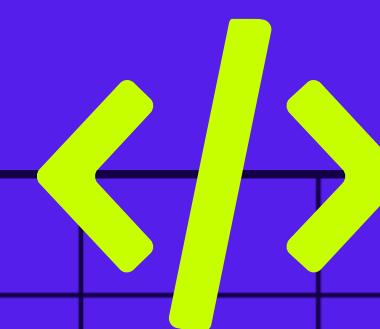


Introduction to Data Science

Day 1 – Kickoff



Duration: ca. 60 minutes

Agenda

- › Who are you?
- › Who are we – StackFuel?
- › Why does the world need data experts?
- › What do we learn and how? Our training.

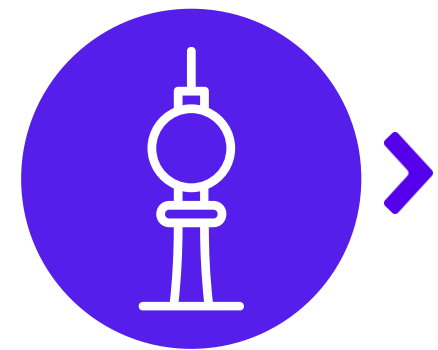


Who Are You?

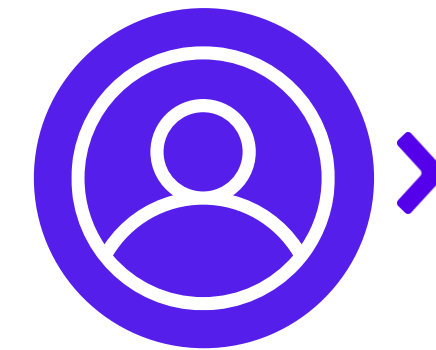


- **What's your name and where are you from?**
- **Why are you taking this course?**
- *Assuming you could eat only one dish for the rest of your life, what would it be?*
- *What do you prefer to do in your free time?*
- *What motivates you?*

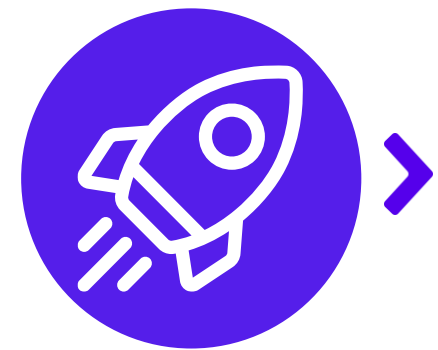
Who are we? StackFuel GmbH.



› Berlin Kreuzberg



› Personell management



› Founded 2017



› Cert. Education Institution



› Market leader Data eLearning



› Over 90 % Completion rate

Training Operation

We will guide you through your webinars



Leroy Döhning

Administration



Dr. Rahel Rahlves

Mentoring



Iva Petrova

Administration

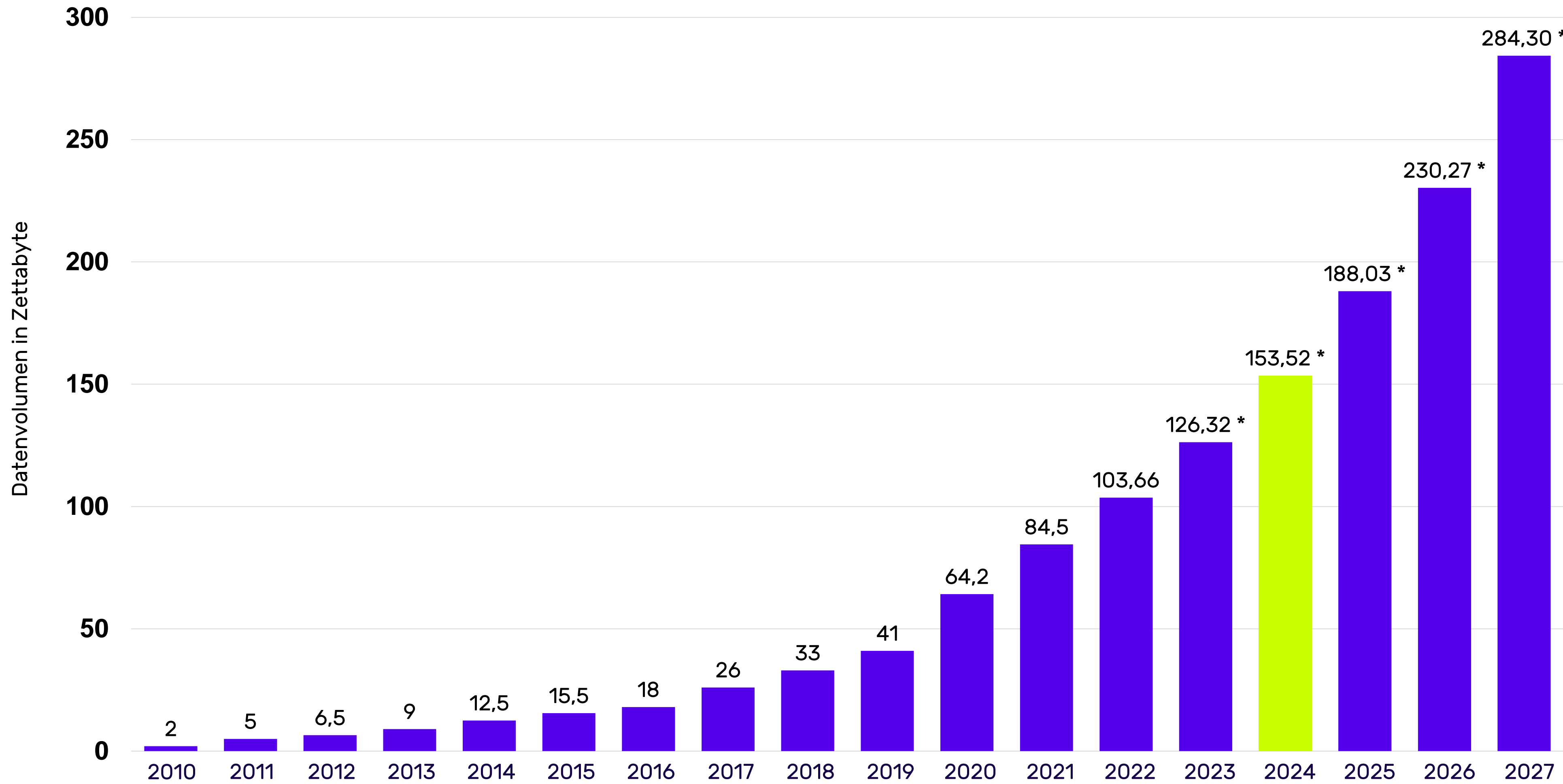
Christian Roden

Mentoring



**Why does the world need data
experts?**

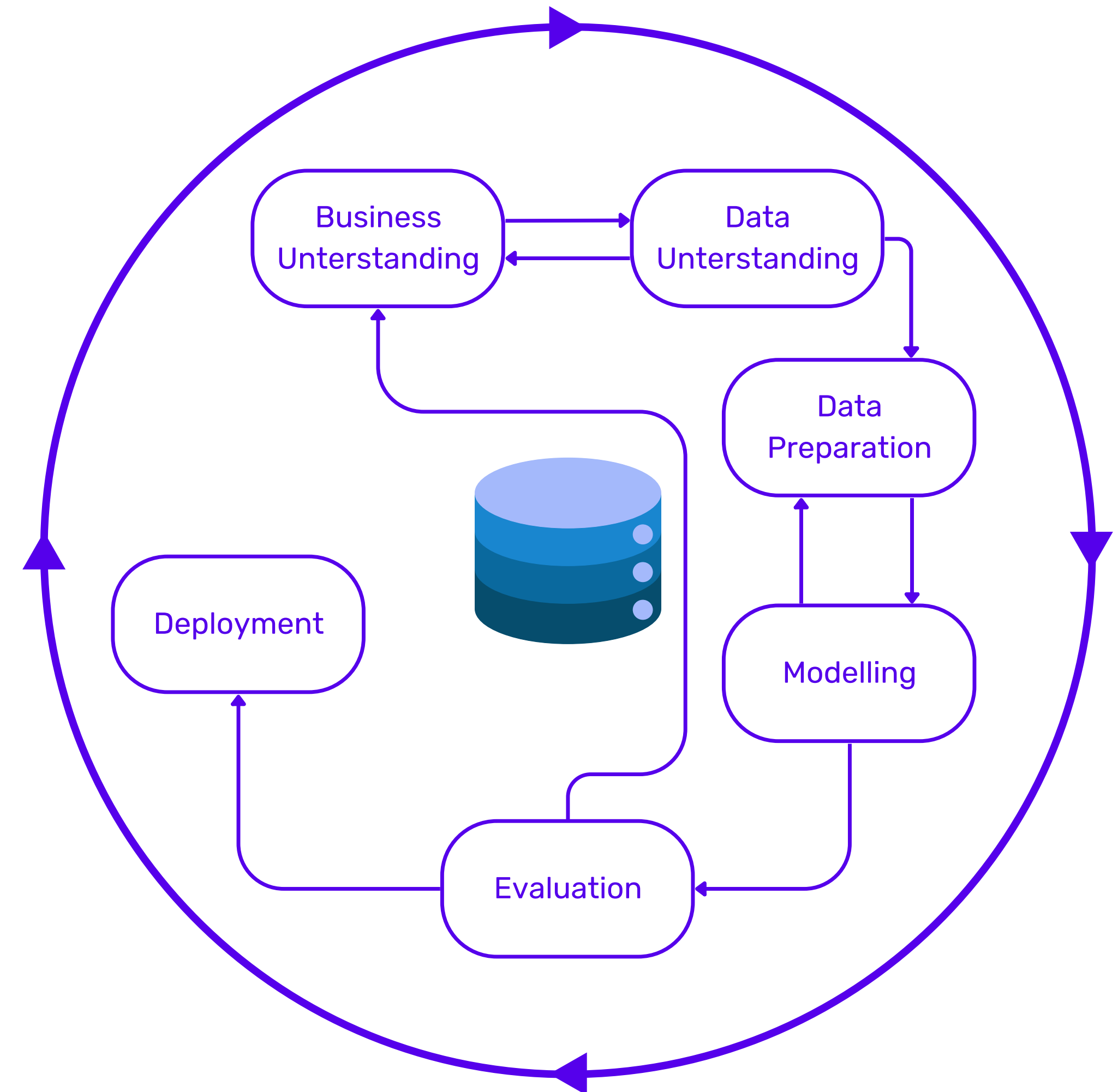
Data volume worldwide.



*Forecast
1 Zettabyte = 1 Milliarde Terabytes

Data Process.

- › Formulating a question | Understanding a problem
- › Data gathering
- › Preprocess and clean data
- › Analyze data
- › Data Science: create AI models
- › Derive recommendations, action steps and products



Required skills by Data Role.

Business Intelligence Analyst

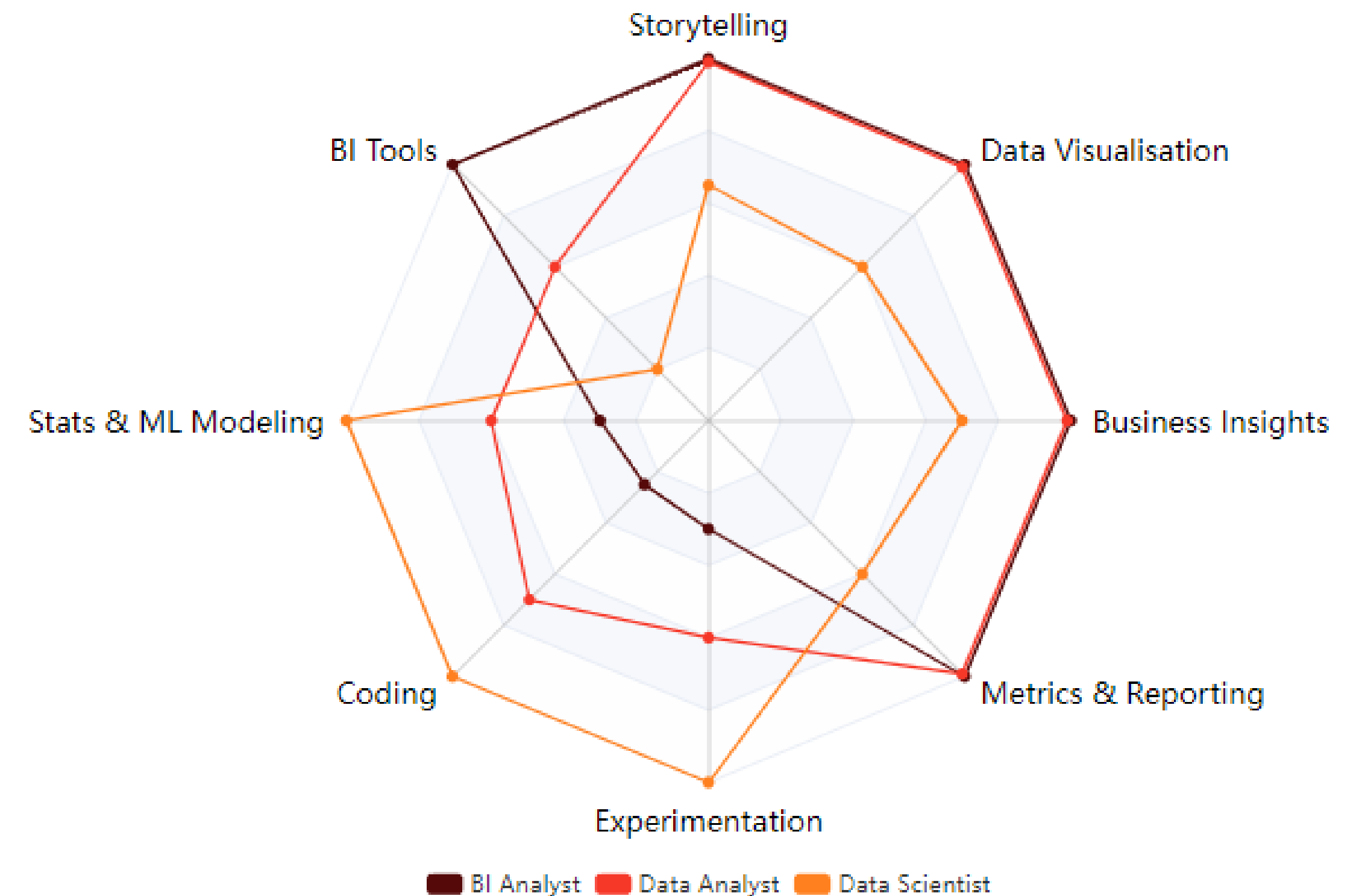
- Communication & Storytelling
- Excel, SQL, BI Tools

Data Analyst

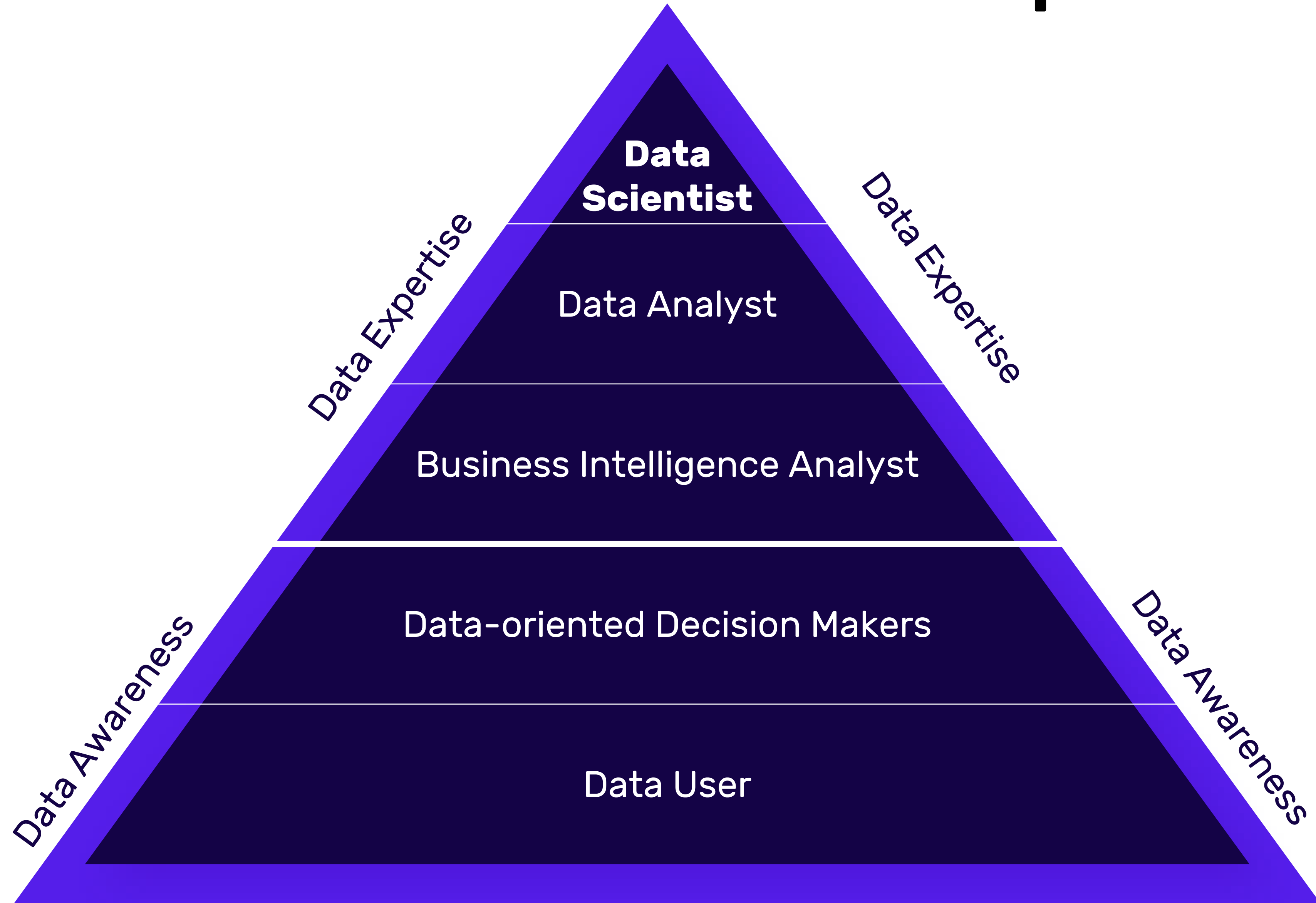
- Communication & Storytelling
- Extraction, cleaning, analysis & vizualization of data
- SQL, Python & R

Data Scientist

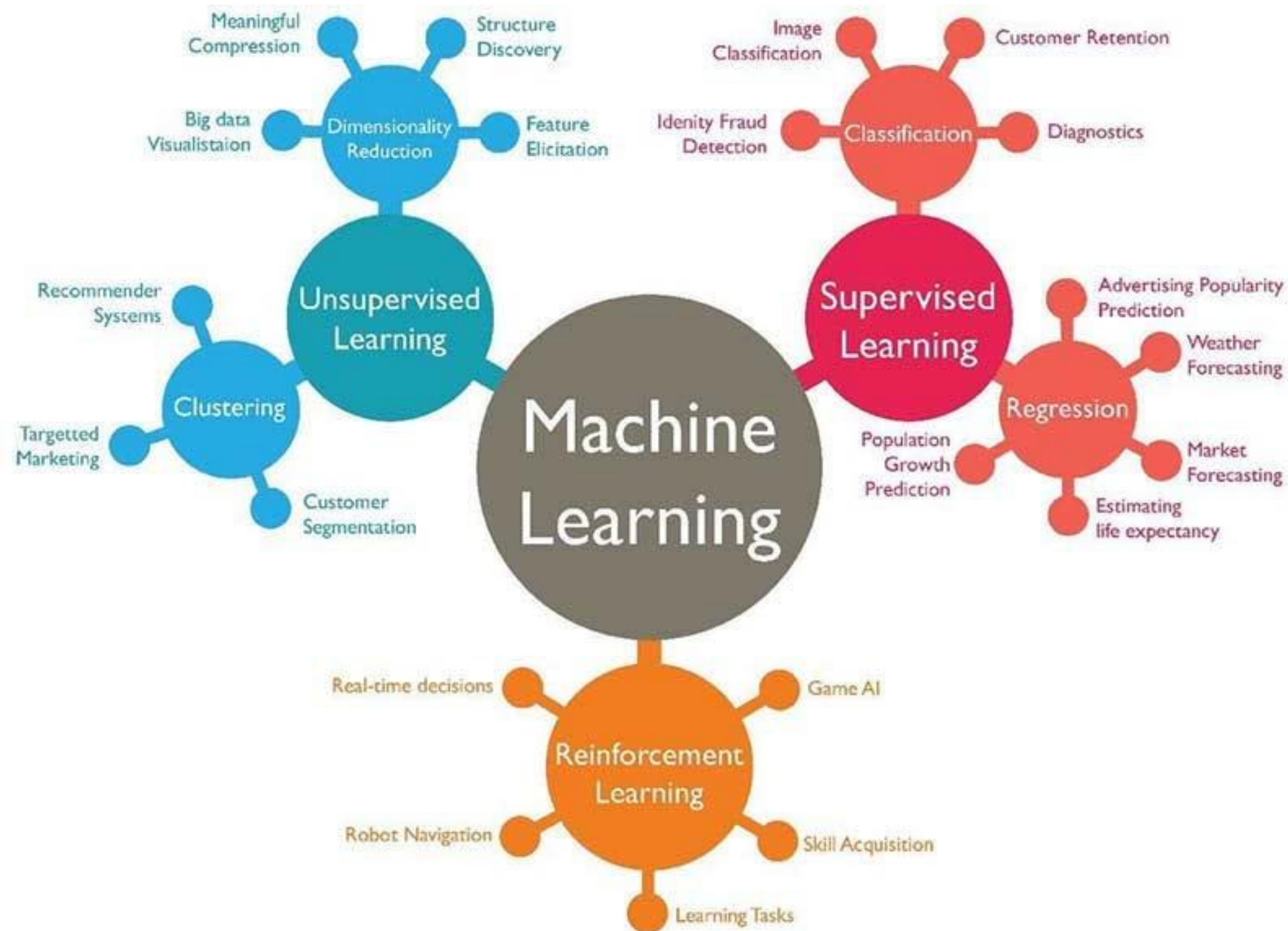
- (Communication & Storytelling)
- Prediction models, statistics, ML
- SQL, Python, R & libraries for ML



Interactions as a Data Expert.



























Machine Learning Overview



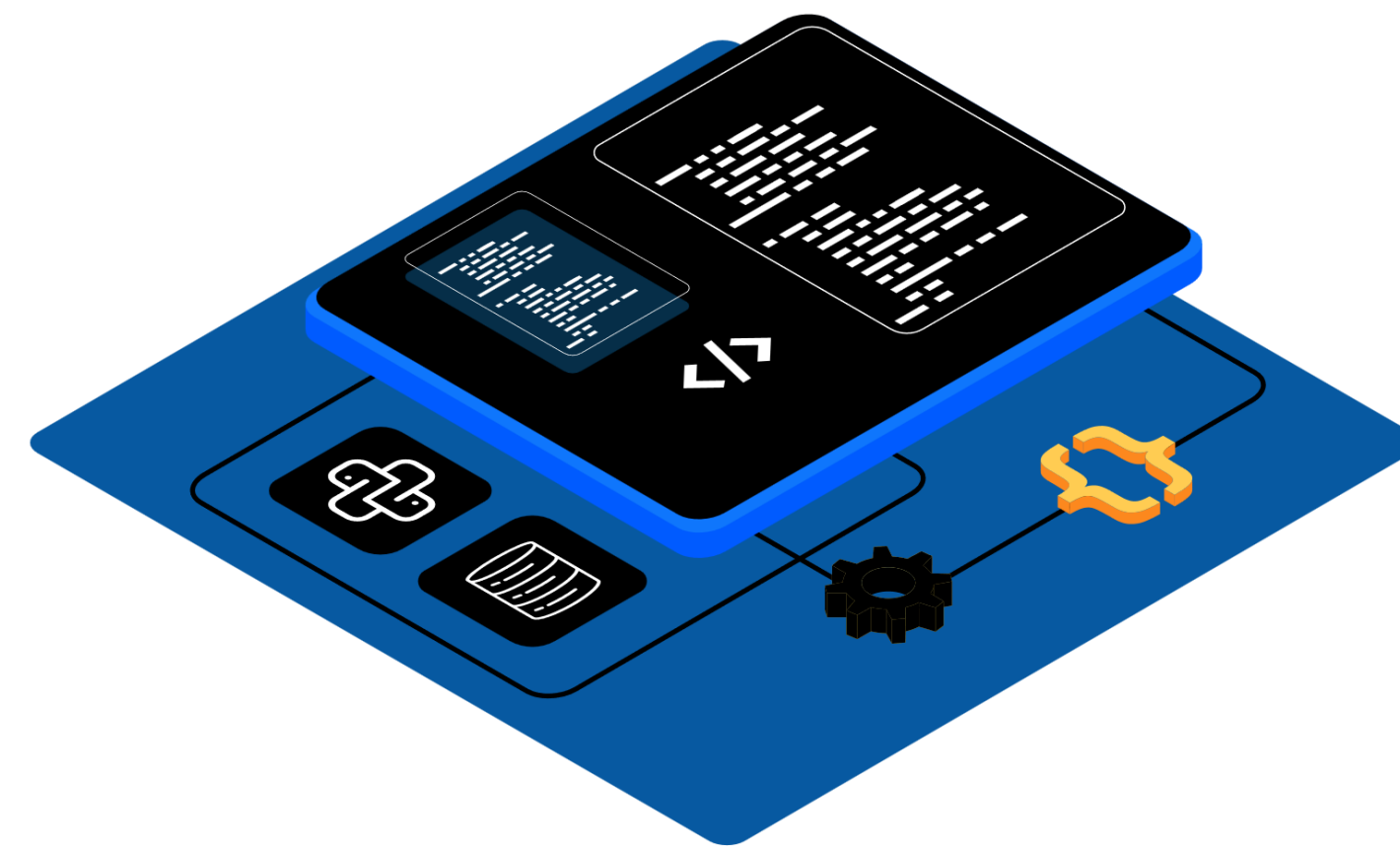
How do we learn? Our Training.

StackFuel Data Learning Paths.

-  Einführungsbausteine
-  Kernbausteine
-  Weiterführende Bausteine

	BUSINESS- INTELLIGENCE-PFAD	DATA-ANALYTICS- PFAD		DATA-SCIENCE- PFAD		
Vorkenntnisse	ohne	ohne	Mit BI- Vorkenntnissen	ohne	Mit LinAlg Vorkenntnissen	Mit Statistik Vorkenntnissen
BAUSTEINE						
Einführung in Business Intelligence und Data Analytics						
Business Intelligence Specialist (8 Wochen)						
Data Analyst (8 Wochen)						
Einführung in Data Science						
Data Scientist (8 Wochen)						
Fortgeschrittene Python-Programmierung						

Learning Content.



Introduction to Python, Linear Algebra and Basics of statistics

Monday:

Kickoff and Chapter 0
(Introduction to / Revision of
Python)

Tuesday:

Linear Algebra I (Basics of vectors
and matrices)

Wednesday:

Linear Algebra I (Calculating with
vectors and matrices)

Thursday:

Basics of statistics I

Friday:

Basics of statistics II

Log in.

User name, password & link are available

Supported Browsers



Mozilla Firefox



Google Chrome

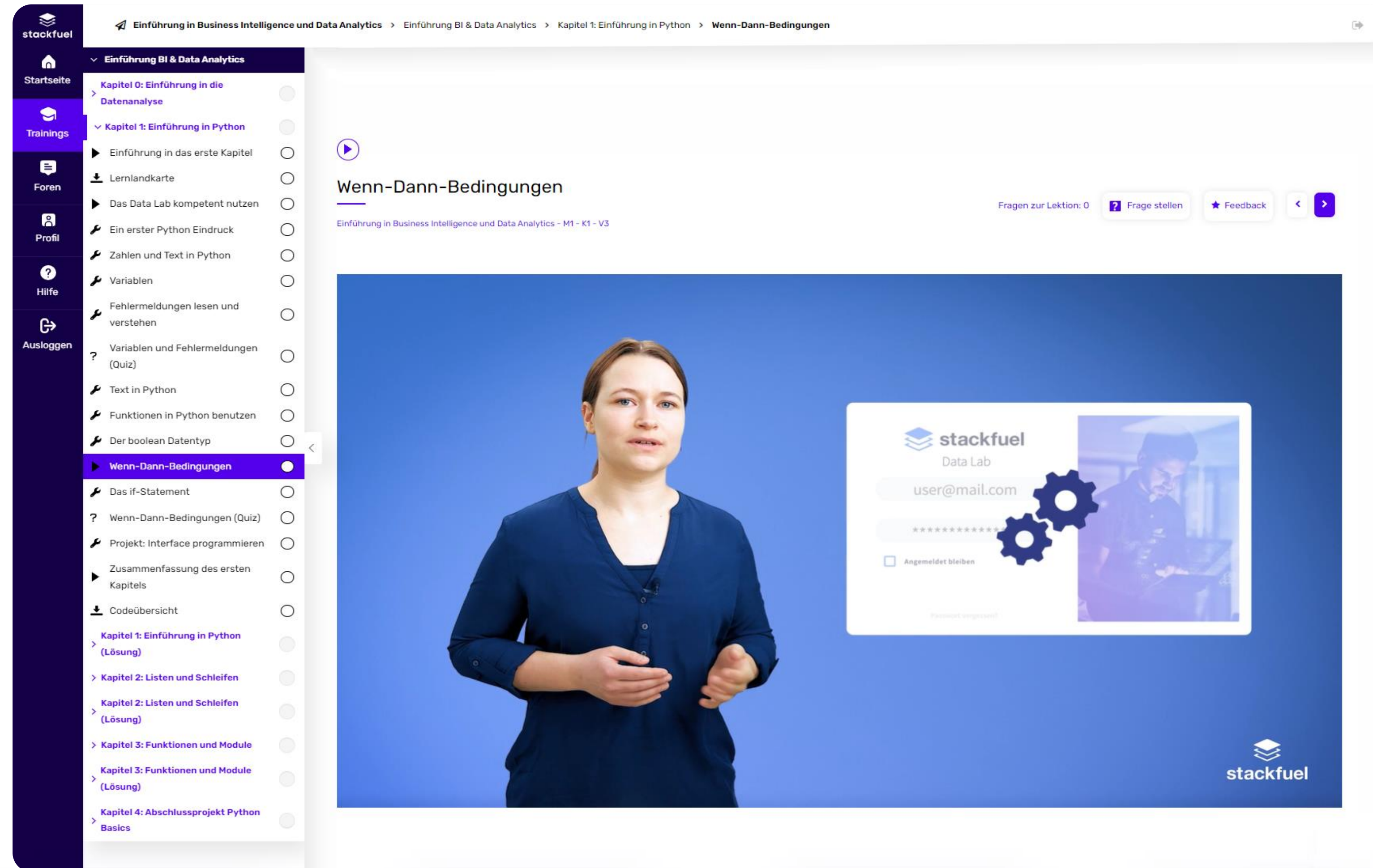


Microsoft Edge



Apple Safari

Setup of Training Environment.



Main Tab

Module

Chapter

Lesson

Daily Meetup.

Focus Session & Mentoring

(2.5 hours. Per day)

- > Daily Meetup/Outlook @ **9:30 a.m.** (all participants), Mentoring until **12 p.m.**
- > **12 p.m – 5 p.m.** Independent work

Work on training material in the DataLab
ca. 6 hours per day



Compulsory Attendance.

**For Daily Meetup & Focus Session,
attendance is mandatory.**

In case of noncompliance, we are obligated to give notice to funding institution (e.g. Arbeitsagentur) and this can cause expulsion from the training



StackFuel Support.

Butter Class Room

• **Daily Attendance & Mentoring 9.30 to 12 a.m.**

DataLab

• Forum

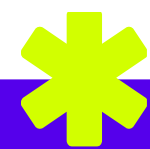
Email

• support@stackfuel.com

Telephone

• 030 544 533 444

availability Monday – Friday between 9 a.m. to 5 p.m.

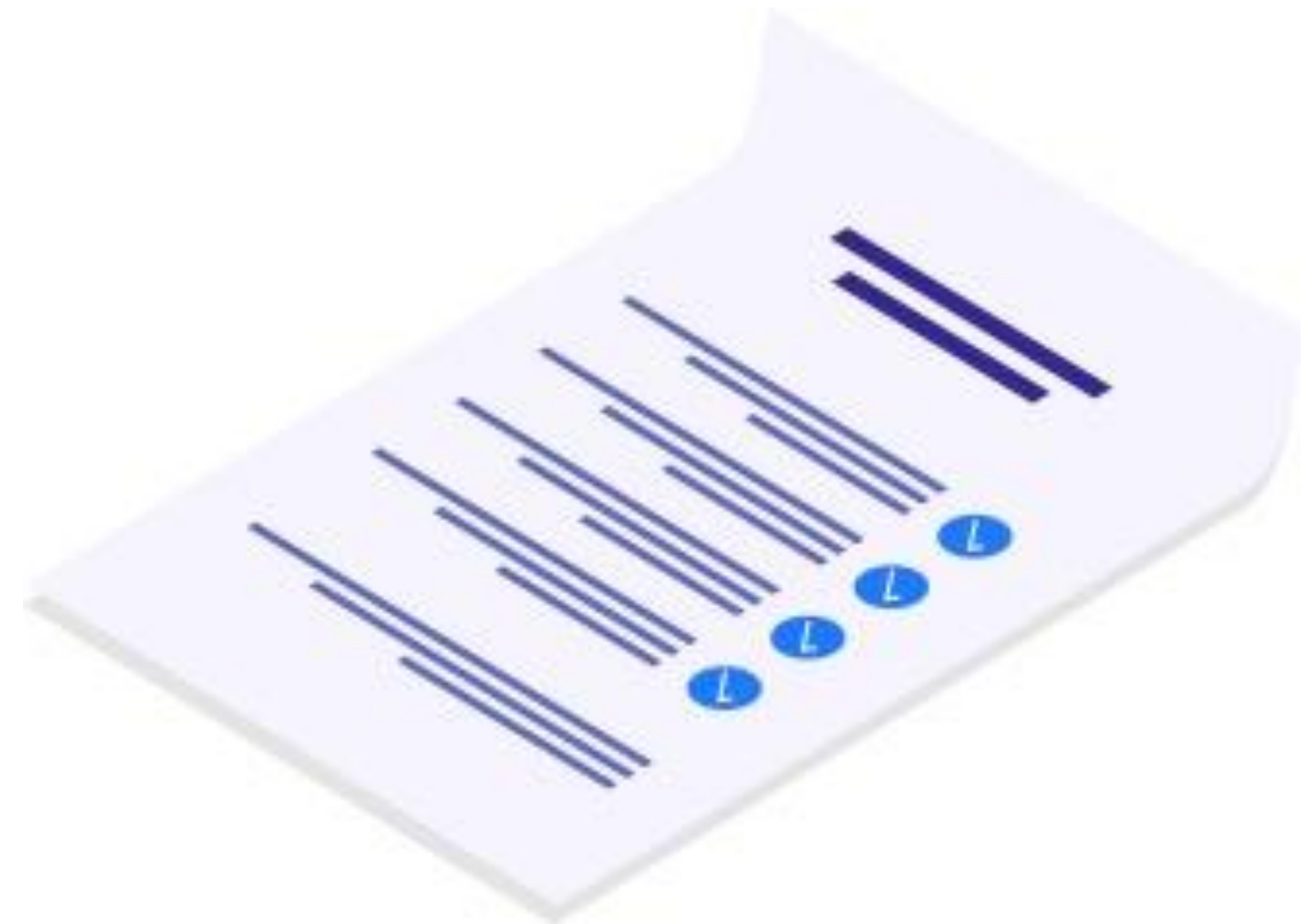


Completion.

Certificate of Attendance

Requirements:

- Completion of all working materials in all chapters
- Regular attendance at Focus Sessions



Thank you for your attention!

