

# Data Scientist

## STUDIA PODYPLOMOWE

**Sposób realizacji:** Online

**Obszar studiów:** IT / Big Data / AI

**Cechy:** Od października • Angielski

**Miasto:** Gdynia

**This program is for people who:**

- For those who want to enter the world of data analysis and Big Data.
- For those who want to change careers and gain new skills.
- For specialists who want to make decisions based on data.
- For everyone who wants to work with Python, SQL, and R on a daily basis.
- For those who focus on practice!



**93%**

**participants recommend postgraduate studies**

\* Source: "Study Satisfaction Survey 2024, sample: 2,050 people."

**90%**

**Employers highly value collaboration with our universities.**

\* Source: BAM Brand Attributes Survey among collaborating employers, survey conducted in 2025.

**Networking and Skill Development Studies develop skills regardless of experience.**

Through interactive classes and exchanging experiences with others, you'll gain knowledge and skills.

**Microsoft 365**

Our participants receive a free A1 license, which includes popular applications such as Outlook, Teams, Word, PowerPoint, Excel, OneNote, SharePoint, Sway, and Forms.

**Lecturers-Practitioners**

The lecturers include entrepreneurs, business owners, and experts in many fields.

**Online Access**

High-quality education. All teaching materials will be available to you online.

**Practical nature of the studies:**

- a compact and intensive format - 11 sessions over 9 months,
- some classes are held in a workshop format,
- assessment is based on semester tests and a project defense.

## Study program

**9**

Liczba miesięcy nauki

**192**

Liczba godzin zajęć

**11**

Liczba zjazdów

**2**

Liczba semestrów

### **BASICS OF STATISTICS WITH THE APPLICATION OF R/PYTHON**

- Introduction to the problems of descriptive statistics (8 h)
- Introduction to mathematical statistics (testing procedure) (8h)

### **DATA ANALYSIS IN PYTHON**

- Syntax, Arrays, Functions, and Panda (19 h)

### **DATA ANALYSIS IN R**

- R and RStudio environment, atomic types, vectors, lists, functions, data cleaning (19 h)

### **ADVANCED VISUALIZATION METHODS (Plotly, Dash, R Shiny) R/Python**

- Building interactive reports/applications (18 h)

### **SQL BASICS**



- ERD diagrams, Normalization, SQL DDL, SQL DM (18 h)

## **MACHINE LEARNING IN PRACTICE (R/PYTHON)**

- Supervised machine learning algorithms (linear regression, random forests, xgboost, time series analysis) (18 h)

## **INTRODUCTION TO DEEP LEARNING ALGORITHMS (KERAS, TESNOR-FLOW)**

- Neural networks in the processing of numerical, categorical and image data (16 godz.)

## **DATA ANALYSIS BY MEANS OF SPARK (INTEGRATION WITH PYTHON AND R)**

- Data processing and modelling in integration with Python and R (12 h)

## **ADVANCED SQL**

- DDL/DML. Advanced quering (10 h)
- SQL integration with Python (10 h)

## **NON-RELATIVE DATABASES (NOSQL)-NP. MONGODB, ELASTIC, NOE4J. INTRODUCTION TO THE NOSQL DATABASE**

- Querying of sample NOSQL databases (12 h)

## **ANALYST'S INTERPERSONAL SKILLS**

- Image building psychology. The art of persuasion and public speaking (7 h)
- Methods of presentation and reporting (7h)

## **GIT - BASICS**

- GIT - BASICS (2h)

## **PROJECT**

- Project Seminar (8h)

## **ASSESSMENT FORM**

- Final test (1 h)
- Final exam (1 h)

### **Warunki przyjęcia**

**Aby zostać uczestnikiem studiów  
podyplomowych na Uniwersytecie WSB**

### **Możliwości dofinansowania**

- **Pierwsi zyskują najwięcej!** Im szybciej się



### Merito, należy:

- mieć ukończone studia licencjackie, inżynierskie lub magisterskie,
  - złożyć komplet dokumentów i spełnić wymogi rekrutacyjne,
  - o przyjęciu decyduje kolejność zgłoszeń.
- [Dowiedz się więcej](#)

zapiszesz, z tym większej zniżki skorzystasz.

- Oferujemy specjalne, **większe zniżki dla naszych absolwentów.**
- Możesz skorzystać z dofinansowania z **Bazy Usług Rozwojowych.**
- Pracodawca może dofinansować Ci studia, otrzymując dodatkową zniżkę w ramach **Programu Firma.**
- Warto sprawdzić możliwości dofinansowania z **KFS.**

[Dowiedz się więcej](#)

## What will you learn?

- You will learn **to process data in SQL** and **create reports using visualization tools.**
- You will understand **how artificial intelligence and neural networks work in practice.**
- You will learn **how to use data in finance, logistics, trade, and production.**
- You will **build interactive applications** and reports to present data.
- You will learn **how to analyze large data sets and use them in finance, trade, logistics, production, or insurance.**
- You will get to **know the basics of computer science, mathematics, and statistics**, as well as tools for visualizing and presenting data in a practical and understandable way - **to effectively support business decisions and company growth.**
- You will gain **confidence in presenting data and explaining** it clearly, quickly applying their skills.

## Ceny

### Dla Kandydatów

#### 1 rok

2 raty **3950 zł** ~~4200 zł~~ (2 x 3950 zł)  
Najniższa cena z ostatnich 30 dni: 3760zł

10 rat **810 zł** ~~860 zł~~ (10 x 810 zł)  
Najniższa cena z ostatnich 30 dni: 772zł

12 rat **683 zł** ~~725 zł~~ (12 x 683 zł)  
Najniższa cena z ostatnich 30 dni: 651zł

Cena jednorazowa: **7800 zł** ~~8300 zł~~

Najniższa cena z ostatnich 30 dni: 7420zł



## Dla naszych absolwentów

### 1 rok

2 raty **3750 zł** ~~4200 zł~~ (2 x 3750 zł)  
Najniższa cena z ostatnich 30 dni: 3560zł

10 rat **770 zł** ~~860 zł~~ (10 x 770 zł)  
Najniższa cena z ostatnich 30 dni: 732zł

12 rat **650 zł** ~~725 zł~~ (12 x 650 zł)  
Najniższa cena z ostatnich 30 dni: 618zł

Cena jednorazowa: **7400 zł** ~~8300 zł~~

Najniższa cena z ostatnich 30 dni: 7020zł

## Dla kandydatów z zagranicy

### 1 rok

2 raty **3950 zł** ~~4200 zł~~ (2 x 3950 zł)  
Najniższa cena z ostatnich 30 dni: 3760zł

10 rat **810 zł** ~~860 zł~~ (10 x 810 zł)  
Najniższa cena z ostatnich 30 dni: 772zł

12 rat **683 zł** ~~725 zł~~ (12 x 683 zł)  
Najniższa cena z ostatnich 30 dni: 651zł

Cena jednorazowa: **7800 zł** ~~8300 zł~~

Najniższa cena z ostatnich 30 dni: 7420zł