ERASMUS+ BLENDED INTENSIVE PROGRAMME

FOR STUDENTS (MASTER / ADVANCED BACHELOR LEVEL)

INTERNATIONAL BIP CHALLENGE

DATA MINING

2027

Co-funded by the European Union

EUDRES

Engaged and Entrepreneurial European University as Driver for European Smart and Sustainable Regions

Jan 25th - 29th, 2027 (ON-SITE)

Apeldoorn, The Netherlands · Saxion University OF APPLIED SCIENCES

PREREQUISITES:

- Basic Computer Science knowledge (programming, databases)
- Interest in Data Mining / Machine Learning

LIMITATION:

The course is limited to a total of 25 students.

TARGET GROUP: Advanced Bachelor's students with a minimum of 100 ECTS credits achieved, or Master's students.



BLENDED LEARNING (online):

Jan 11th and Jan 18th
7.00 - 8.30 p.m. CEST

- Introduction to Predictive Analytics
- Model Quality
- Feature Engineering
- Introduction to the Data Mining Tool used and assignment for home
- Additional Inputs

ABSTRACT:

Students will work on a predictive analytics task in data mining and compete against other groups. They will prepare data, derive new variables, and tune the model to achieve high accuracy. The group with the best model will win the challenge.

ON-SITE:

Jan 25th - 29th, 2027

- Short content injections by the lecturers
- Project work (brainstorming, model development and implementation)
- Final presentation and award ceremony

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DATA MINING / PRACTICAL INFORMATION

02 / PARTICIPANT GUIDE

Jan 25th - 29th, 2027 (ON-SITE)

Apeldoorn, The Netherlands · Saxion University OF APPLIED SCIENCES

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OBJECTIVES AND DESCRIPTION:

Develop the ability to implement data mining projects in a competitive environment. This includes preparing the data, modeling, and evaluation.

METHODS AND OUTCOMES:

The course introduces classification methods and potential evaluation parameters. Additionally, feature engineering, which has a major impact on model quality, is used to further enhance data mining results.

EXPENSES:

CAN BE FUNDED BY ERASMUS+

Please contact the International Office at your home university for details.

Outings, excursions and one dinner will be paid for by Saxion.

Accommodation can be offered at ±80 euros per person per night in a double room. We recommend the Stayokay hotel in Apeldoorn.

Further information will follow after successful registration.







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03 / PARTICIPANT GUIDE

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PHYSICAL START DATE:

Arrival in Apeldoorn on Sunday, Jan 24th.
Program begins on Monday, Jan 25th, 9 a.m. CEST.

NUMBER OF ECTS CREDITS CONTRACTED:

4 ECTS

PHYSICAL END DATE:

Program ends on Friday, Jan 29th, 3 p.m. CEST.
Departure on Saturday, Jan 30th.

VIRTUAL COMPONENT TIMING:

2 Lectures and home assignment
Jan 11th + Jan 18th, both from at 7.00 - 8.30 p.m. CEST

QUESTIONS? PLEASE CONTACT:

Floor Weijman
Phone: +31(0)612839936
Mail: f.r.weijman@saxion.nl

REGISTRATION?

Send an email to Floor Weijman with your contact details & short motivation before November 27th 2026. A draw may be necessary in case of oversubscription. During the first week of December you will get more information.

PRELIMINARY SCHEDULE:

SUN, 24TH ARRIVAL
Arrival in Apeldoorn. Check in at hotel.

MON, 25TH DAY 1
Getting to know your team members, Saxion and its surroundings. Team training and team forming; excursion. Introduction to the data mining challenge.

TUE, 26TH DAY 2
Arrive at the university for welcome session, training and work session, and dinner together.

WED, 27TH DAY 3
Training and work session followed by an excursion to the wildlife area.

THU, 28TH DAY 4
Training session and working on the challenge. Company visit.

FRI, 29TH DAY 5
Training session, preparing final presentations, pitching, feedback session, and farewell. Estimated ending: 3:00 p.m. CEST. Enjoy the nightlife.

SAT, 30TH DEPARTURE
Departure day.

Schedule details will be shared with successfully registered participants.