

# Bringing Data to Life

for the Maritime & Logistics Industry

**VENTURN  
DATA SCIENCE  
PROGRAMME**

**VDS**



## WHY PARTICIPATE?

With our partners, Venturn has developed a Data Science programme that brings data to life in the maritime and logistics sector. The VDS programme develops in-house data consultants that can combine their experience in the maritime logistics industry with the competencies needed to turn data into an asset.

Our motivation stems from our perception of the sector:

### Current Situation

- Due to advancements in technology, data is increasingly being collected and made available for business purposes.
- This data is often not operationally viable yet. There is an increasing need for Data Science experts inside companies in the industry who know how to process data effectively.
- Data Science experts are scarce and often not familiar enough with the maritime logistics industry.

### Opportunity

- By developing in-house data consultants that know the industry and know your business, you can embed Data Science competencies in your organisation.
- Use data as an asset and develop the competencies to effectively allocate resources.
- Pioneer in the field of Data Science and discover opportunities for business development and operational excellence.



*“This programme will create pioneers in the field of data science who can discover business improvements and identify break-through opportunities.”*

**PATRICK VAN DE VEN**  
FOUNDING PARTNER, VENTURN

## WHO IS THE PROGRAMME FOR?

The VDS programme is available to maritime & logistics professionals of all ages and backgrounds who are currently working with or have an interest in data. Previous participants hold a variety of job titles, such as:

- Operator Chartering
- Data Analyst
- Innovation Manager
- Software Developer
- Researcher
- Marketing Specialist
- Project Manager

Participants are highly encouraged to bring their own company data to the sessions so they can immediately start applying analytical techniques to their daily work. This also enables them to stay close to the business and allows them to work on relevant cases in a group of industry peers during the entire programme.

### End Profile

After 6 months the participants will be trained data consultants who:

- Understand and know how to use analytical tools and statistical techniques
- Know the foundations of R programming to create insights out of (un)structured data
- Can identify applications of available company data and implement and realise these applications

### How to Apply

To apply for this programme please contact the Venturn Data Science Team:

[datascience@venturn.nl](mailto:datascience@venturn.nl) / +31 (0)10 304 20 70



*"I am glad to have participated in this innovative training curriculum with people that have similar business problems and equal interests in solving them by effectively using data!"*

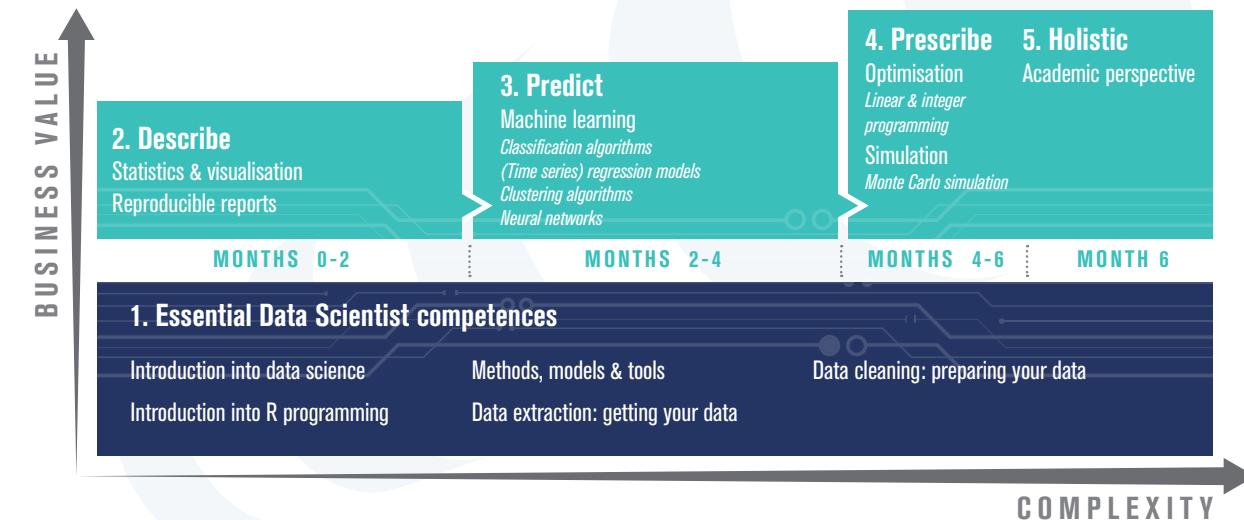
**RENE VERHAEGEN**  
VDS GRADUATE

## PROGRAMME DETAILS

Intensive six-month programme, consisting of 20 hands-on course days:

- 5 day crash course for Data Science essentials
- 2-day session every three weeks
- Additional field activities focused on reallife applications of Data Science and teambuilding

### MODULES



*“Through the Venturn Data Science programme, I have developed the skills of programming in R, data analysis and the creation of predictive models.”*

**WOUTER BOOGAART**  
DIGITAL DEVELOPMENT MANAGER, ANTHONY VEDER

*“The course leaders had active knowledge and knew how to bring the material to life. The programme helped me to professionalise my data skills.”*

**FENNEKE STERLINI**  
SPECIALIST DATA, MARIN

# DATA SCIENCE PROGRAMME

## Days 1-4

- 1 Start crash course
- 2 Day 2 crash course
- 3 Day 3 crash course
- 4 Day 4 crash course

## Days 5-6

- 5 **Day 5 crash course**
- 6 Describe 1.1 – Statistics & Visualisation

## Days 7-8

- 7 Describe 1.2 – Statistics & Visualisation
- 8 Describe 2.1 – Dashboards & Reproducible Reports

## Days 9-10

- 9 **Describe 2.2 – Dashboards & Reproducible Reports**
- 10 Predict 1.1 – Introduction to Machine Learning

**Additional activities, including company visits and real data science cases, teambuilding, soft skill training**

## Days 11-12

- 11 Predict 1.2 – Introduction to Machine Learning
- 12 Predict 2.1 – Algorithms and Models

## Days 13-14

- 13 **Predict 2.2 – Algorithms and Models**
- 14 Predict 3.1 – Advanced Algorithms and Models

## Days 15-16

- 15 Predict 3.1 – Advanced Algorithms and Models
- 16 Predict 3.2 – Advanced Algorithms and Models

## Days 17-18

- 17 **Prescribe 1.2 – Decision Support: Simulation**
- 18 Prescribe 2.1 – Decision Support II

## Days 19-20

- 19 Prescribe 2.2 – Decision Support: Optimisation
- 20 Holistic – Academic Perspective & Graduation

# CONTACT THE VDS TEAM

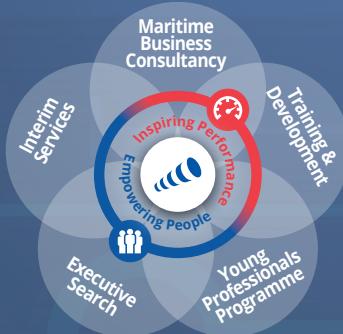
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venturn



## EMPOWERING PEOPLE & INSPIRING PERFORMANCE

Venturn is a maritime consultancy dedicated to advising our clients from the maritime and logistics sectors on the development and performance of people and business.

We provide 5 key services to the maritime industry that complement and strengthen one another.

[www.venturn.nl](http://www.venturn.nl)