Agenda

About Me

On the MBI Analyst Career Path

Recent Thesis Examples
About... Dr. Marco Spruit

1993
Information Retrieval programmer, ZyLAB Europe

1995
Big Data system developer, Royal Dutch Navy

1997
Product software developer/entrepreneur, Insertable Objects & Wizzer BV

2003
Ph.D researcher in Computational Linguistics, University of Amsterdam

2007
Assistant professor Information Science, Utrecht University

2016
Principle Investigator Applied Data Science Lab

2019
Associate professor
MBI career paths

- Career paths are just meant to help you choose a path and pick courses, based on the type of job you dream of:
  - Analyst
  - Entrepreneur
  - Researcher

- They are not really formal
Analyst career path
( managed by Marco Spruit)

■ What is...?
  ▪ “An analyst is someone who gives professional advice or services on business matters related to ICT, or on ICT matters related to business.”

■ **Applied Data Science** profile?
  ▪ Not required but a good fit
Analyst career path
(managed by Marco Spruit)

- Data Science & Society
- Advanced Research Methods
- Method Engineering
- Business Intelligence
- Software Production
- Software Architecture
- Serious Gaming
- ICT Entrepreneurship
- Game Production
- Software Ecosystems
- Enterprise Architecture
- Intelligent UI
- Data Mining
- Sustainable Entrepreneurship
- Medical Informatics
- Business Process Management
- Thesis 1
- Thesis 2
- Thesis 3
- ICT Advisory

Intelligent UI

ICT Advisory

Thesis 1

Thesis 2

Thesis 3
Analysts in the context of the ADS Lab
(here: Data Analysts, but also Business or Process Analysts)

"Model-Driven Analytics for Self-Service Data Science"
PhD researchers *et al.* in the **ADS Lab**

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**Title:** STRIMP (2018-2019)  
**Topic:** eHealth Implementation  
**Programmer:** Edwin Brinkhuis (0.5 fte)  
**Location:** UU

**Title:** OPTICA (2013)  
**Topic:** eHealth Implementation  
**Phdloc:** Tanja Blom (1.0 fte)  
**Location:** UU

**Title:** OPERAM (2015-2019)  
**Topic:** Prescriptive Analytics in Polypharmacy  
**PhD student:** Ian Shen (1.0 fte)  
**Postdoc:** Michiel Meulendijk (2015-2016)  
**Location:** UU

**Title:** STRIPPA (2010-2016)  
**Topic:** Prescriptive Analytics in Polypharmacy  
**PhD:** Michiel Meulendijk (1.0 fte)  
**Location:** UU/UMCU

**Title:** SAM (2009-2012)  
**Topic:** Maturity Modelling in SPM  
**PhD:** Willem Bekkers (0.4 fte)  
**Location:** Centric

**Title:** SMEetic (2017-2020)  
**Topic:** Maturity Modelling in Security  
**PhD student:** Bilge Yigit Orkan (1.0 fte)  
**Location:** UU

**Title:** SMEetic (2017-2020)  
**Topic:** Web Behaviour Analytics  
**PhD student:** Alireza Shojaifar (1.0 fte)  
**Location:** FHNW, Switzerland

**Title:** DiGov (2018-2024)  
**Topic:** Data Governance Analytics  
**PhD student:** Friso van Dijk (0.4 fte)  
**Location:** P-Direct

**Title:** DATASPACE (2010-2018)  
**Topic:** Data Space Architecture & Quality  
**PhD student:** Arnaud Lefebvre (1.0 fte)  
**Location:** Ministry of Justice & Security

**Title:** FEDERATE (2015-2019)  
**Topic:** Research Data Management  
**PhD student:** Ahmed Lefebvre (1.0 fte)  
**Location:** UU

**Title:** CESCA (2011-2018)  
**Topic:** Big Data Analytics in Cell Biology  
**PhD student:** Wiebrend Orta (0.2-1.0 fte)  
**Location:** UMCU/UU

**Title:** BiHuV (2016-2019)  
**Topic:** Mobile Health Analytics  
**PhD student:** Raj Jagjar (1.0 fte)  
**Location:** GEIFES, RUG

**Title:** PRAISE (2015-2019)  
**Topic:** Big Data in Psychiatry  
**PhD student:** Vincent Menger (1.0 fte)  
**Location:** UU

**Title:** DECIES (2018-2022)  
**Topic:** Deep Learning for Summarisation  
**PhD:** Ingý Gahn (0.4 fte)  
**Location:** AAST, Egypt

**Title:** TAIS (2016-2020)  
**Topic:** NLP in Life Sciences (0.4 fte)  
**PhD student:** Noha Sediki Tawakkol  
**Location:** AAST, Egypt

**Title:** SPECIALS (2017-2023)  
**Topic:** Speech & Text Analytics in HR  
**PhD student:** Chaim van Talsko (0.4 fte)  
**Location:** P-Direct

**Title:** SAF21 (2015-2018)  
**Topic:** NLP in Fisheries  
**PhD student:** Shafroh Syed (1.0 fte)  
**Location:** MMU, UK

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*Universiteit Utrecht*

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*Faculty of Science*

*Information and Computing Sciences*
10 recent MBI thesis projects

http://m.spru.it/edu/msc/status

1. Baharak (2019/02/25). (IDfuse)
3. Thomas (2018/07/10). (UMC Utrecht/Neonatology)
4. Erik (2018/06/29). (UU)
7. Chaïm (2017/12/15). (UMC Utrecht/Psychiatry)
8. Jorien (2017/10/06). (Berenschot Intellerts)
10. Drilon (2017/07/13). (ABN AMRO)
... and their current position

1. Baharak ...
2. Wouter: Data Engineer trainee @ Vye Professionals
3. Thomas: Data Engineer @ Brazil
4. Erik: Solutions Engineer @ NetApp
5. Niels: Data Scientist @ Bol.com
6. Stijn: Data engineer @ ORTEC
7. Chaïm: Consultant operations & PhD student @ P-Direct
8. Jorien: Data scientist @ Politie Nederland
9. Bram: Business Intelligence consultant @ Celcus
10. Drilon: IT Developer @ ABN AMRO
An MBI Analyst thesis example [1/4]

Thomas Dedding: *Knowledge Discovery for Domain Experts: A Data Preparation Approach.*
An MBI Analyst thesis example [2/4]
An MBI Analyst thesis example [3/4]
An MBI Analyst thesis example [4/4]
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