

Personal Development Report

Thomas van der Molen
S4-AI41



Project Information	
Project members	Thomas van der Molen (4168003)
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Table of Contents

Version History.....	2
Introduction	3
Data Preparation.....	4
Data analysis & model engineering	5
Reliability and transparency	6
Targeted interactions.....	7
Future orientation.....	8
Investigative problem solving	9
Personal leadership.....	10
Internship Preparation.....	11
Retrospective	12
Conclusion.....	13

Version History

Version	Date	Change
1.0	15-02-2022	Created document
1.1	15-03-2022	Added a personal Introduction
1.2	13-04-2022	Added Evidence gathered from feedback from iteration 0 and partially iteration 1
1.3	19-04-2022	Updated structure and learning outcomes after feedback Evaluation 2

Introduction

My name is Thomas van der Molen, I am 19 years old and have previously done Mavo and Havo before coming to Fontys to study HBO ICT & Software Engineering. While I have always been interested in IT, I did not have a background in software before coming to Fontys. During high school I took an IT class, but this did not give me any extra knowledge in the field of software engineering that I had not learned before from myself.

I have chosen to do a specialization in AI because I am very interested in the subject and think it would round out my software background nicely.

I think there is a future in the AI sector and am very interested in where this area might go in the future. I also want to learn more on the process of creating a model and training it, because I think the algorithms used are very interesting.

Because I already have a background in software, I assume that the machine learning part will come easier to me and for this I also want to spend a lot of time on data preparation because I think that I could learn a lot in this part of AI.



Data Preparation

You can **enrich/extend** and **clean** datasets and are able to investigate and argument the use of **data storing methods**.

*Evaluation 2: I think this learning outcome is currently at an **Orienting** level, moving to Beginning.*

Evidence

Thank you for your submission! I think you did a good job, [very extensive data analysis](#). I would expect that for such big research you would have a bit longer conclusion. Also, I think what will help you is to write down some subquestions

Pencheva, Sabina S., 15 Mar at 10:15

From the quote above gotten from my Iteration 0 delivery on canvas by Sabina, she mentions that I did very extensive and well-done data analysis. She had no direct comments or changes that had to be made to this part of my iteration, only having improvement feedback on my research components for the analytic approach and reporting.

This feedback was very positive and showed that I am on the right track with my data preparation and EDA.

Data analysis & model engineering

You can **train** different types of models and tune the **hyper-parameters** of these models. Furthermore, you can **evaluate** the results from a trained model and can use **other data analysis techniques**.

*Evaluation 2: I think this learning outcome is currently at an **Orienting** level, possibly closing in on Beginning.*

Evidence

Hi Thomas a few things to note: First off, I believe you went a little beyond the idea of the "iteration zero" and sort of included and iteration one" as well with the RANSAC. Which is ok, because there is still enough time for further iterations. I like that you reason on what the results are and why they are the way they are, so that is good! 👍 For me this challenge is a GO

Michielsen, Bas B.S.H.T., 15 Mar at 16:37

The above text is a snippet taken from feedback received on my Iteration 0 by Bas, he goes on to discuss possible food for thought which I dove deeper into during Iteration 1.

Bas mentions that I might have done a little too much for the scope of Iteration 0. However, Bas went on to explain that he thinks I did good research and had given valid reasoning for my results during the modelling phase.

I think this feedback was very positive combined with giving good future points of interest for further iterations and Bas also directly gave me a GO on this challenge, indicating that I have shown clear potential with my project.

Reliability and transparency

You support conclusions based on **domain knowledge** and **sources**, and processes used should be **well explained** and make sense.

*Evaluation 2: I think this learning outcome is currently at a **Beginning** level.*

Evidence

Hey Thomas, It seems you sufficiently dove into the domain of movies. Could be a little more extensive, and too bad you can't find an expert, but maybe you could then add some "literary source"(?) (<-maybe a piece about what makes the "world of movies" tick?) to use as an expert? If you can't really find that, don't put too much more time in that and go on with EDA-ing. Good start so far!

Bloks, Danny D., 8 Mar at 14:12

As we discussed recently, in this way the Proposal Phase seems sufficiently displayed in this document and your process. So good job. For the Provisioning Phase you should ask Sabina. Good luck!

Bloks, Danny D., 5 Apr at 14:36

From the feedback above received by Danny for Iteration 0 and 1 respectively, Danny states that I have sufficiently displayed my domain understanding and process. I have also taken Danny's earlier feedback into consideration and improved on these aspects mentioned during iteration 1.

Targeted interactions

*You can **clearly communicate** with readers/audience, keeping into **consideration** the knowledge of set audience and the medium used to communicate information.*

*Evaluation 2: I think this learning outcome is currently at an **Undefined** level, this is because I do not have any direct evidence to show this learning outcome and will be gathered for next evaluation.*

Future orientation

You can **identify and explore** the **context** in which your project takes place, and you can approach this from **multiple perspectives**.

*Evaluation 2: I think this learning outcome is currently at a **Beginning** level, it could still be considered Orienting with more direct evidence needed.*

Evidence

Hey Thomas, It seems you sufficiently dove into the domain of movies. Could be a little more extensive, and too bad you can't find an expert, but maybe you could then add some "literary source"(?) (<-maybe a piece about what makes the "world of movies" tick?) to use as an expert? If you can't really find that, don't put too much more time in that and go on with EDA-ing. Good start so far!

Bloks, Danny D., 8 Mar at 14:12

The feedback shown above was given by Danny on my Iteration 0, he starts this feedback by mentioning that I sufficiently dove into the domain of movies, Danny goes on further highlighting the problems that I have had trying to get in contact with a domain expert. It is also mentioned that I could add Literary sources to improve my understanding.

As we discussed recently, [in this way the Proposal Phase seems sufficiently displayed in this document and your process](#). So good job. For the Provisioning Phase you should ask Sabina. Good luck!

Bloks, Danny D., 5 Apr at 14:36

During Iteration 1, I continued looking for domain experts with the help of my semester coach, however I also took Danny's advice and tried finding more different angles to approach my domain from and adding literary sources.

As said in the feedback above from Iteration 1, I seem to have done this to a satisfactory degree, giving me no real points of improvement and mentioning that I can move on to the next phase.

From this feedback I think I have done plenty of research into the context and effects of my project and showing a good investigation into the different perspectives of my domain and project.

Investigative problem solving

*You can Identify a problem and create a **hypothesis** and **research question** and can do this using a sound **research methodology**.*

*Evaluation 2: I think this learning outcome is currently at an **Orienting** level, while lacking enough feedback for a higher grading.*

Evidence

Also, I think what will help you is to write down some subquestions

Pencheva, Sabina S., 15 Mar at 10:15

During Iteration 0, Sabina gave me the feedback to add sub questions besides my main question to give me a better Idea of what to expect and what could impact my challenge. I added these sub questions afterwards and did indeed do more research into different aspects of my domain and possible factors that could affect my approach.

One of these factors were other features that I had not considered during my Iteration 0 initially such as actors impacting the performance of a movie, I had written this out with my reasoning for this. Bas had later given me feedback on this which is displayed below.

I do agree with your statement that perhaps enriching the dataset will give you more usable features.

Michielsen, Bas B.S.H.T., 15 Mar at 16:37

From this it seems that I have done a good job at being able to formulate and convey my reasoning and hypotheses made, with the example above given as one indication of this process.

Personal leadership

You are **proactively** looking to improve your own **development** and **learning**, while taking a **leading position** in your projects.

Evaluation 2: This learning outcome will be at **Undefined** Because I currently have no evidence to show my progress, however I have discussed this with my study coach who will give me feedback on this in the future .

Internship Preparation

You create **opportunities** for finding an **internship**, that aligns with your **personal needs** and the **school requirements**.

*Evaluation 2: I think this learning outcome is on a **Beginning** level.*

For my Internship Preparation I have been building up a list of internships provided on the [ASAM](#) Fontys platform that I am interested in. The plan for this list is to be able to identify what kind of internship I want and give me a list of internships I can contact.

I have also gone to the career day organized in the Fontys TQ building, During this day I talked with many companies, such as Axians, Mobeye, Vanderlande, Alten, LiveWall, BDO and more.

Many of these I have signed into their systems as provided by them either via a website or on paper, hoping to get an interview with them in the future.

I have also asked some companies who might not have been giving internships for year 3 students questions about applying for jobs/internships seen as I would like a clearer picture of this.

From the companies that I spoke to during the career day, BDO stood out to me, the representatives were very welcoming and nice to talk to, we also discussed BDO's currently used technologies, and these aligned very well with my experience so far.

Furthermore, I have been looking into creating a CV to share with companies, I already have a LinkedIn page that I have built up over the years, and a GitHub page for my technical projects, but I lack a CV and am not sure how to structure one properly.

I have asked my semester coach on feedback for this, and he is planning on doing a workshop for this in the future.

Retrospective

Conclusion