

PERSONAL DEVELOPMENT REPORT OTHER MEAL



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PDR

- 1 Societal Impact The student is able to approach the context and impact of their own AI project(s) from different perspectives in a sustainable way. In addition, the student is able to reflect on their own choices, taking into account data legislation and the (possible) impact on society.
- 2 Investigative Problem Solving The student is able to critically look at their own AI project(s) from different perspectives, recognize problems and come up with appropriate solutions.
- 3 Data Preparation The student is able to collect data and estimate its quality and usability. The student is also able to adjust the data if necessary for proper usage in their project(s).
- 4 Machine Teaching The student is able to use data to train models in a way that fits the intended purpose. The student is also able to test whether the models have been adequately trained
- 5 Data Visualization The student is able to use data to create an interesting, informative and compelling story in an (interactive) data visualization product, tailored to the right target group.
- 6 Reporting The student is able to report in a methodologically sound manner on (the outcome of) own AI projects (project proposal, process documentation, reporting of final results, etc.).
- 7 Personal Leadership The student shows an entrepreneurial mindset regarding their own AI project(s) and personal development, while being aware of their own learning capacity and keeping in mind professional ambitions in their future work field.
- 8 Personal Goal < With this learning outcome, the student can set its own goal in relation to their future field of work. Describe this Learning Outcome in your PDR.>

		Advanced	Proficient	Beginning	Orienting	Undefined
1	Societal Impact					
2	Investigative					
	Problem Solving					
3	Data Preparation					
4	Machine					
	Teaching					
5	Data					
	Visualization					
6	Reporting					
7	Personal					
	Leadership					
8	Personal Goal			·		

PDR Justification

- 1. I believe that the societal impact of my application reaches Beginning levels. Working on the group project there was a lot of deliberation what data could be used to assist different user groups. Resulting on researching and finding outside data sets that could provide different types of pollutions that could affect the building process possibly assisting the builder's future choices in choosing the designated spaces.
- 2. I believe that the investigative problem-solving tab reaches an Orienting level. As I have managed to rework on my development decisions that were hindering the development process. This consists of changing the data set because it had a lot of unnecessary data and grounding myself to focus on providing a solution to grouping return results by ingredients names and how frequently it is used in the recipes data set. In addition, working on group project there was a lot of investigation on what aspects of building new homes could impact the public. This resulted in researching factors of the most harmful chemicals to people that are emitted during building process and outside factors and what building laws the software needs to adhere to suggest places that would be suitable for the building process.
- 3. I believe that I have reached an Orienting level of data preparation tab. As I cleaned and filtered the obtained data set to fit with what I considered useful for my project. This including removing some nutrient data and tags columns that had a lot of empty fields, and the data that was frequently empty in the chosen columns.
- 4. I believe I reached an Orienting level with machine learning as I have chosen reinforced machine learning model and started diving into developing the recommendation system based on ingredients.
- 5. I believe I reached an Orienting level with data visualization as I have made few graphs showing the data alignment where specific ingredients show up and the frequency in recipes that it reappears.
- 6. I believe I have reached the Orienting level with reporting as I have made a meeting with the mentor providing an explanation on my progress and work on the personal project. Explaining my current problems and what are my thoughts are on points of focus.
- 7. I believe I have reached an Orienting level with my personal leadership goal. Due to realising the current bottleneck and trying to dive in development where I was distracted with choosing the functional requirements that suffice the project and now my sole focus is to deliver my first suggestion algorithm based on ingredients.
- 8. I believe I have reached an Orienting level with my personal goal. Because I have the initial task of delivering an algorithm that would suggest the recipes based on ingredients.