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|  | Personal development report Start date: 7-2-2022  Fontys |  |
|  | **Initial impressions**  I did media design before coming to AI, I didn't except AI to completely be about data, I thought there would be more of like the chatbot aspect of AI, and more social impact than data science. I hope I will learn to enjoy the data aspect as well in the future. My only experience with data lies in semester 1 Data science, where I learned MySQL and R. |  |

Inhoudsopgave

**Geef de titel van het hoofdstuk op (niveau 1)1**

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**Geef de titel van het hoofdstuk op (niveau 1)4**

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Week 4

Self assessment: orienting

During the first couple of weeks, I got introduced to python and jupyter notebook. I have learned how to use and write python and do the assignments in the notebook to a decent extent. Most of the feedback I received for these assignments urged me to use the notebook in more of a document way and not as a coding document. Such as writing more comments and giving more explanations. In the future, I will try to be more explanatory in my documents.

I had one 1 on 1 talk with frank, mainly touching on the subject of the project and my role in the group. I noted that I enjoy being the organizer/planner and would like for that to be my role in the project. A subject also was the fact that I did media design before, that the current AI might be difficult. I always try to debunk this by referring to my past accomplishments and done assignments. Even though I did media design, I have a very good understanding of coding and have done many projects in the past involving MySQL PHP and many more. I do not think I am any less qualified than any of my fellow other students.

I think that the first couple of weeks have been going decent enough. I tried doing most of the exercises and gain maximum feedback. I made a personal planning and task list to keep track of all ongoing event.

For the project, we made a decent start. Dividing roles and making a beginning on domain understanding.

**Feedback from the teachers so far:**

Showing the correct answer is good but your human reasoning why and what is the conclusions more important.

Hi megin, you did well in trying out adding 2 features and also removing the outlier. As we discovered in the class session on Thu, its not always evident why or how outlier influence you result, and you picked up on that correctly. The plot above box 53 seems odd to me because the line is rather steep and does not touch many blue dots, so maybe something went askew there. Nevertheless I believe you show here that you are able to experiment with ML, apply algorithms and reason about the results. 👍

Michielsen, Bas B.S.H.T. , 18 Feb at 10:40

Hi megin, well done. Try to use the notebook also as a document. It is not a code file, use the text cells to explain what you did, why, and what you think of the result. You do that quite cryptically now.

Michielsen, Bas B.S.H.T. , 17 Feb at 10:58

Overall it seems to fit. And nice that you tried to reflect a bit on Ethics. However, I am missing the reason WHY this would be valuable for the (hypothetical) client. (in the exercise: "A description for the reason or grounds for starting the research.").

I am missing the reasoning about your actions. This should not be just some pieces of code but a document which is explanatory

Pencheva, Sabina S., 18 Feb at 18:48

Try to be a bit more elaborate in your explanations

Pencheva, Sabina S. , 8 Mar at 9:21

Week 9

Self assessment: beginner.

Nice idea. You dove into the subject and also tried some plotting in the initial EDA phase. Well done. Do make sure you look at all the subjects that should be adressed in the proposal on this page: good start!

Hi Megin, I like this idea and think you did a good job at making an iteration zero that is quick and brings some points to the table early on. Please note that this kind of predictions (yes/no) with many features are usually really hard and you will likely find that your algorithm does work reasonably well from the beginning but it is hard to improve it beyond a certain point. Which is ok, because it still makes for an interesting challenge.

Quite quickly you lost me, stating that the target variable is the "wins" column where the df.info() above shows no column with that name. Later I realized that there is a "bluewins" column that perhaps has 0 when red won, but if that is true, you perhaps should have explained that a little earlier on.

I really appreciate the way you did a quick and easy feature selection with the pairplot and then went straight into the knn. Also the result is fair and you have found your baseline.

For me this challenge is a GO, perhaps you should look into logistic regression or perhaps sigmoid support vector machine next. They might do a little better than knn. Hopefully. 😊

Hi Megin I believe you have understood the material correctly, but do try to be a little bit more conservative about using the word "best". You claim that C=2.0 gives the best result, but in the end there is no best result. What is good, depends on the application. Also, when I read your work I see that you know what you are saying, but you also give me the impression that you are NOT saying something. As if you let the reader infer the conclusion. Perhaps have a look at how to write conclusions, because I believe you have the content.

In a personal talk with frank, it came to light that my presence with the teachers was less than wanted. we talked on how we could improve this, we made agreements with teachers on how to approach eachother better in the future.

Good to read, Megin. For me the Phase 1 parts seem adequately adressed. Nice to have it all clean and uncluttered in a notebook. A decent reflection upon the activities corresponding with the three chapters of the Proposal, and good to see the interview worked out. Well done!

Bloks, Danny D. , 29 Mar at 12:55

You did really nice work! I would advice to be more careful, for example (and I think Bas already mentioned this), be precise with your descriptions, I was also a bit lost when I was looking for the wins. Also, you ignore one of the teams but why? Is there a particular reason?

Overall, nice data analysis

Pencheva, Sabina S. , 1 Apr at 4:05