**Notes Datathon 2024**

Gut:

* Teamwork
* Task Splitting
* Structure-oriented approach (das hat extrem auf UBS gepasst)

Improvable:

* Presentation
* Microphone talk
* Creativity part
* Ideating about model choices. We had a complex model before the baseline and never implemented the baseline until like 3am. This was a mistake. Spend a lot of time on cleaning and understanding the dataset and good feature engineering if necessary. Then, build a simple baseline model quickly and use that model to go through all of the rest of the task until you reach your goal. Document the progress. That way, you have already solved the problem once (maybe not good enough but still). Then you go back and think about what you could have done better and start exploring. But as long as you have something, you are already ahead of most of the competition.

Hackathon:

* Be ready to present/pitch your work
* Always use some plots to visualize your data
* If working on a datathon, start with visualizing your data early. You always need stuff that is presentable.

Structuring:

* Always keep the end goal in mind (who is your client)

1. Data understanding & cleaning
2. Data assumptions
3. Data enhancement & feature engineering
4. Model selection
   1. Base-model
   2. More complex stuff
5. Recommendations for Model Enhancement
6. Actionable Insights

Wichtig:

* Wenn sich die Chance ergibt, mit einer guten Firma die Challenges zu machen, oder Aufgaben für sie zu lösen -> immer die risikoreiche Option wählen (weil viel Competition) und hoffentlich gewinnen. Haben wir jetzt mit der UBS challenge gesehen -> viele haben sie nicht gewählt, weil sie dachten, dass die Möglichkeit, zu gewinnen, zu klein ist. Dabei war sie am grössten.
* Trinke 5 uhr morgens nicht 3 kaffees, um nachher an stuhlgang zu sterben
* Immer ersatzkleider mitnehmen. Gute chancen, dass Firmen sponsoren. Dann muss man in Ordnung daher kommen.
* Nie wieder Augenbinde oder Ohrenstöpsel vergessen
* GitHub vorher aufsetzen

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Presentation:

* Make it more UBS-Branded (red and black, add logo to slides, …)

Other:

* Get support letters from professors for Data Science master (even if not necessary)