DataLab Preparation (Week 1, DataLab II, Thursday)

**What image classifier product or product feature could make organizational life easier?**

The image classifier product that I decided to train would classify objects such as alcoholic beverages bottles, non-alcoholic beverages bottles and cans, cocktail fruits, and coffee grounds packages. This algorithm's purpose would be to help bars/ restaurant bars keep track of the primary inventory and notify the staff when another order is needed. The algorithm would be implemented in a label scanner (such as the one in supermarkets) and would directly send the information to the organisation's cloud system.

**How can I improve work within an organization?**

**Write your answer down.**

This would help the staff always have stock on hand, avoiding situations where the organisation would lose money due to customers ordering a specific drink, and the inventory being out of the required ingredient(s).

**What problem can I alleviate for an organization?**

The main problem I believe my idea would alleviate is profit loss. Another problem for which this algorithm would be a solution is lowering employee stress (especially managers) when having to handle a situation where ingredients are not in stock. For example, in a restaurant that primarily serves breakfast and lunch, if the inventory is almost out/ out of coffee grounds, that translates into a huge proportion of the day's profit being lost, since customers that dine at such a restaurant are mainly consuming coffee drinks. In summary, it would alleviate the most common problem, humans being unorganised.

**Who is the main stakeholder, and what are their needs?**

The main stakeholder would be the owner of the bar/ restaurant, as well as the manager(s). Their needs are overall common. Maximise profit while keeping the work environment efficient and with the resources readily available.