Group members

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Week Meetings

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| --- | --- | --- | --- |
| **Date** | **Time** | **Duration** | **Location** |
| Mar 6th, 2023 | 10:00 am | 1,5 hrs | Teams |
| Mar 7th, 2023 | 2:00 pm | 2 hrs | St Clair Campus |
| Mar 8th, 2023 | 12:00 pm | 2 hrs | St Clair Campus |

Agenda items

1. Explore the Shortage datasets from drugshortagescanada.ca
2. Comparing data structure from shortage vs DPD and checking the compatibility between key fields
3. Load data from 2017 to 2023, shortage historical data and see verify the stages of each drug code and “Drug identification number” field.
4. Investigate the feasibility to get shortage location and quantity for each drug code, to include in the dashboard.
5. Discuss the project macro scope.

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| **Action Items** | **Owner(s)** | **Deadline** | **Status** |
| Retrieve the shortage databases for 2017 and 2023, assess the consistency of each drug stage over time, and cross-reference the data with the Drug Product Database (DPD) using the Drug Identification Number (DIN) | Luis | 2023/03/08 | **Progress** |
| Completed the automation of downloading the DPD data from website to local folder in Python. Integrated the DPD data with Power BI for refreshing the latest data. | Neha | 2023/03/10 | **Done** |
| The feasibility of obtaining the location and quantity data for each reported shortage across all phases from drugshortagescanada.ca will be investigated. | Eranga  Sagarkumar  Grace | 2023/03/08 | **DONE** |

Challenges/disagreements

* It has been concluded that the project scope will not include detailed information on the location and quantity of stock as this information is not officially and reliably available.
* Therefore, it is proposed to present a project scope guide to the professor that is limited to using existing shortage information and generating predictions for the following year. The predictions will indicate the percentage or category of shortage probability, such as high, medium, low, or accurate.

Next meeting challenges

1. The formal document for the project will be started.
2. The existing shortage datasets will be merged with DPD detailed information to obtain more informative data and gain a broader perspective on the presentation's informative value.
3. A rough draft will be planned to initiate the report writing process.
4. The next meeting tasks

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| **Task** | **Next Meeting Action Items** | **Owner(s)** |
| Reading | BOOK: Communicating with Data\_ The Art of Writing for Data Science: ***Chapter 7*** | Grace |
| Reading | BOOK: Storytelling with You: Plan, Create, and Deliver a Stellar Presentation: ***Chapter 1 and 2*** | Eranga  Luis |
| Visualization | Start working on visualization using Power BI | Neha |
| Reading | Searched about time series model which is suitable for our dataset | Sagar |

Next meeting date

2023/03/22

<https://github.com/nehad2909/drug-product-database-health-canada>