Group members

Eranga Kumanayake (0787857)

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Luis Palacios (0802103)

Neha Dewangan (0768997)

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Week Meetings

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| --- | --- | --- | --- |
| **Date** | **Time** | **Duration** | **Location** |
| Feb 18th, 2023 | 10:30am | 3 hrs | Teams |
| Feb 22nd, 2023 | 6:30pm | 2 hrs | Teams |
| Feb 24th, 2023 | 5:30pm | 1 hr | Teams |

Agenda items

1. Review the work done until week 6 and review the professor comments.
2. Preview of week’s advanced presentation
3. Midterm presentation topics and work assignments

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| --- | --- | --- | --- |
| **Action Items** | **Owner(s)** | **Deadline** | **Status** |
| Create an account on drugbank.com to get access to the entire dataset version 5.1.10. | Luis | 2023/02/24 | **DONE** |
| "The automation of downloading updated data from a website, structuring the data, and loading it into a SQL/SharePoint/no code tool such as Tableau or PowerBI has been completed. However, the loading of data into a tool/cloud is still pending."  Analysis of data refresh techniques is currently ongoing." | Neha | 2023/03/03 | **In Progress** |
| Research on content related to prevention and shortage, and on finding external databases that could complement existing data. We worked in tableau for visualization. We worked on EDA of data shortage database. | Eranga  Sagarkumar  Grace | 2023/02/24 | **In Progress** |

Challenges/disagreements

* Still waiting for the response from 'DRUGBANK' has been a challenge. We are currently waiting for their reply to obtain more information about the drugs and related data (<https://github.com/nehad2909/drug-product-database-health-canada/blob/main/Drug_Bank%20data%20query.jpeg>)
* As plan B, get a historical shortage database in Canada, to consider predict a forecast of most possible shortages and suggest some optional to the user.
* We created a summarised dashboard based on the location of the company, status, and count of the drugs. But we had to discard it as it was not related to a drug shortage.

Next meeting challenges

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| --- | --- |
| **Next Meeting Action Items** | **Owner(s)** |
| * Looking for official shortage historical all related data. * Research for next possible solutions for the drug bank substitution. | Eranga  SagarkumarGrace |
| * Continue working on visualization. * Work on investigating an automatized procedure that shows end users the optional drugs due to entry | Luis |
| * Continue working on automation and analyzing data refresh techniques. | Neha |
| * Continue working on mid-term presentation slides | All members |

Next meeting date

2023/02/28

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