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| Team Meeting minutes | **From:** | 2023/03/19 |  |
| To:  Group: | 2023/03/24  2 |  |
| Week: | 10 |  |
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Group members

Luis Palacios (0802103)

Eranga Kumanayake (0787857)

Sagarkumar Parmar (0769644)

Neha Dewangan (0768997)

Grace Aniyankunju Mathai (0792039)

Week Meetings

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| --- | --- | --- | --- |
| **Date** | **Time** | **Duration** | **Location** |
| Mar, 20th 2023 | 11:00 am | 1 hrs | Teams |
| Mar, 22th 2023 | 10:00 am | 1.5 hrs | Teams |
| Mar, 24th 2023 | 2:00 pm | 4 hrs | St Clair Campus |

Agenda items

1. Loading all year’s shortage historical data package into a single file dataset
2. Run single automatized process to load, unzip and combine all DPD dataset in Python notebook
3. Start the first predicted modules for shortages drugs based into historical data.
4. Find an automatized process to extract and combine all shortages dataset or develop an API task in order to avoid get data manually.

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| **Action Items** | **Owner(s)** | **Deadline** | **Status** |
| Create first python notebook to load all years historical shortage datasets. Calculating number of days of shortage, and creating first predictions based in number of days.  Reading chapter 1 and 2 “Storytelling of you” | Luis | 2023/03/24 | **Done** |
| Integrated shortage data with drug table, created visualizations using the fields such as location, date, status, drug\_code, DIN\_number etc. from company, drug, status and shortage. Created visualizations using shortage data. | Neha | 2023/07/07 | In progress |
| Preparing data description document as part of weekly task in BB (middle part writing document)  Reading chapter 7 “The Art of Writing for Data Science” up to section 7.7.5 | Grace | 2023/03/24 | **Done** |
| Researching all findings and dataset regarding to shortage of Drugs in Canada  Load consistency year tables drug shortage: missing values, date format, variable type. | Sagar  Eranga | 2023/03/31 | In progress |

Challenges/disagreements

Based on the shortages data set, group need figure out if we will be running a classification model, (high risk, moderate, low risk), or predict based of number of days shortages, classified the risk by number of days segments.

Next meeting challenges

1. Start writing the formal document of our project.
2. Continue with dataset shortage cleanup data, automatized process to extract updated data
3. Load first predictions based into historical data, based on calculated field numbers of days, taking 2017-2021 as training data, 2022-2023 as test data.
4. Next meeting task

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| **Task** | **Detail** | **Responsable** |
| Writing | The complete dataset description and next steps into final document | Grace  Sagar |
| Reading | Storytelling with you - Chapter 3 & 4 | Eranga  Luis |
| Visualizations | Selecting right field as some fields are present in more than one table | Neha |

Next meeting date

2023/03/31

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