## Data Intake Report

Name: Healthcare - Persistency of a Drug

Report date: 8/21/2023

Internship Batch: LISUM22

Version: 1.0

Data intake by: Farzana Chowdhury

Tabular data details: Healthcare\_data

Total number of observations (rows)	3424
Total number of files	1
Total number of features (columns)	69
Base format of the file	.xlsx
Size of the data	887 KB (908,966 bytes)

Using isnull(): Are there any null/missing values in this dataset? No

Using duplicated(): Are there any duplicates in this dataset? No

## Using dtypes(): What are the datatypes in this dataset?

2 integer (int64) columns, 67 object columns

Flask deployment on the persistency model:

```
OPEN EDITORS
                                                            papp.py
1 from flask import Flask, render_template, request
2 import numpy as np
3 from sklearn.ensemble import RandomForestClassifier
4 import pickle
  × 🍖 app.py
 HEALTHCARE FLASK A... [] [] [] []
 > static
 > templates
■ Healthcare_dataset.csv
                                                                     # List of features used by the model

features = ['IsFemale', 'IsCaucasian', 'IsNonHispanic', 'IsAgeGroup1', 'IsAgeGroup2',

'IsAgeGroup3', 'IsGeneralPractitioner', 'IsNonSpecialist', 'IsOBGNNorPCP',

'IsLowRiskPrior', 'IsLowRiskDuring', 'IsChangeRiskUnknown', 'IsChangeTScoreUnknown', 'IsAdherent']
                                                                           return render_template('index1.html')
                                                                    for feature in features:
    user_input.append(float(request.form[feature]))
                                                                                  # Convert the user input into a numpy arra
user_input_array = np.array([user_input])
                                                                                  # Make predictions using the loaded model
prediction = loaded_model.predict(user_input_array)
prediction_text = "Persistency: Yes" if prediction == 1 else "Persistency: No"
                                                                                   # Handle error when input conversion to float fails
prediction_text = "Invalid input. Please enter numeric values for all features."
 TIMELINE
                                                                     if __name__ == '__main__':
    app.run(debug=True)
 KERNELS
 CONTEXTUAL HELP
```