***FILES EXPLANATION:***

***ONTOLOGY-DRIVEN\_ML\_REPORT.docx:*** project report

***ONTOLOGY-DRIVEN\_ML\_PRESENTATION.pptx:*** project presentation

***owl2vec\_star:*** folder with the OWL2Vec\* framework's code.

***OWL\_Dataset\_Generator\_N2V.py:*** script that extracts embeddings (OWL dataset) from the ontology to be aggregated to the original dataset; using Node2Vec.

***OWL\_Dataset\_Generator\_O2V.py:*** script that extracts embeddings (OWL dataset) from the ontology to be aggregated to the original dataset; using OWL2Vec\*.

***OWL\_dataset1000\_N2V.npy:*** numpy file that stores results of *OWL\_Dataset\_Generator\_N2V.py with reduced dataset.*

***OWL\_dataset1000\_O2V.npy:*** numpy file that stores results of *OWL\_Dataset\_Generator\_O2V.py with reduced dataset.*

***OWL\_dataset2000\_N2V.npy:*** numpy file that stores results of *OWL\_Dataset\_Generator\_N2V.py with complete dataset.*

***Main\_Diabetes.py:*** test scenario implemented to evaluate our architecture.

***Model.py:*** function that contains the neural network model class.

***Train.py:*** training function for ML model.

***Test.py:*** testing function for ML model.

***Metrics\_plot.py:*** functions that plots classification metrics.

***my\_config.cfg:*** config file to configurate OWL2Vec\* parameters.

***diabetes\_ontology.rdf:*** ontology file in OWL language

***diabetes2000.csv:*** complete dataset file

***diabetes1000.csv:*** reduced dataset file