Overview

Overview of project

Types of Input

Open-ended questions

NN Architecture

ADS sessions

Notebooks

Problem Statement

<<Customer XXXX>> receives **+<<XX>>k** applications a year and, they must be **manually** reviewed by people. They defined a standardized and unbiased scoring methodology that allowed them to score the applications. This methodology correlates with turnover.

Now they are looking for ways to automate this process. They want to be more efficient and at the same time, they want to have a way of identifying the main reasons driving the scores given.

They do not want to use **AI** to automate the decision process, rather they would like to use it to generate features that allow them to implement this algorithm.

Types of Input

We have three main types of input

ML Models

Open-ended

- Field A
- Field B

Discrete

Language Processing

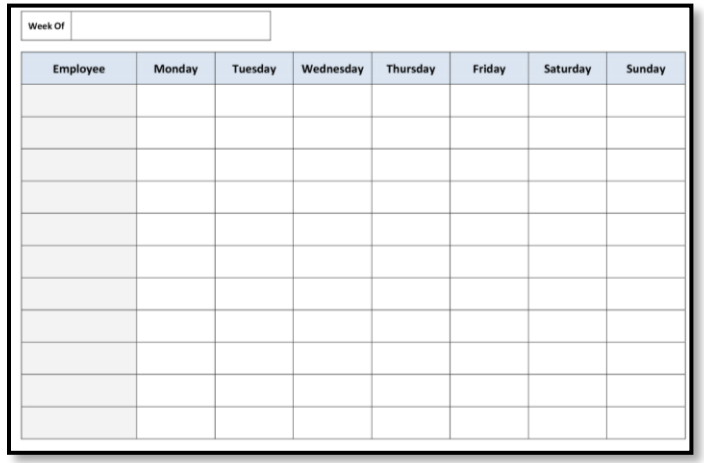
Discrete

- Salary
- Dates
- Education

True/False Rules

Grid

- Time Availability



Open-ended questions

We used Machine Learning Models to transform them into Discrete

Reasons for Leaving

Multiclass Model 21 categories **XX.XX%**

Job Experience (Skills)

XX%	Service	Caretaker	XX%
XX%	Sales	Teacher	XX%
XX%	Phone	IT	XX%
XX%	In Person	Real State	XX%
XX%	Specialized	Law Enforcement	XX%

Open-ended questions

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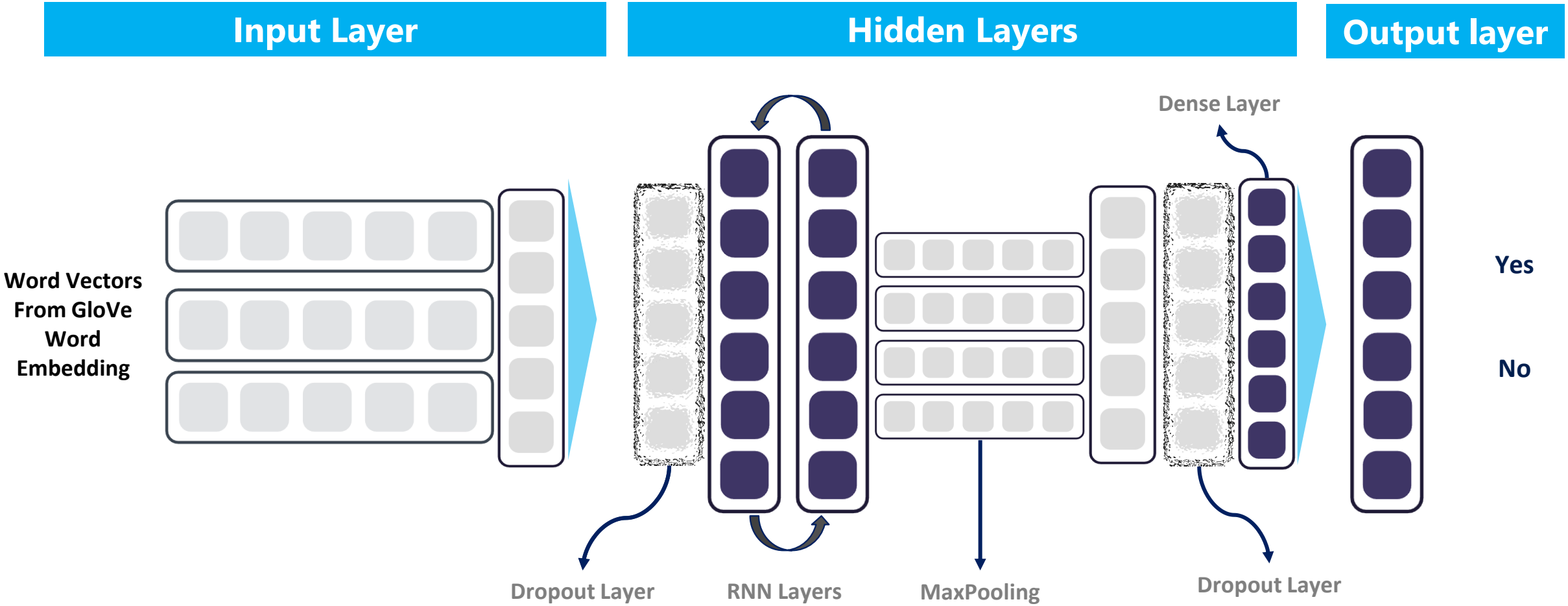
XX%	Specialized	Law Enforcement	XX%

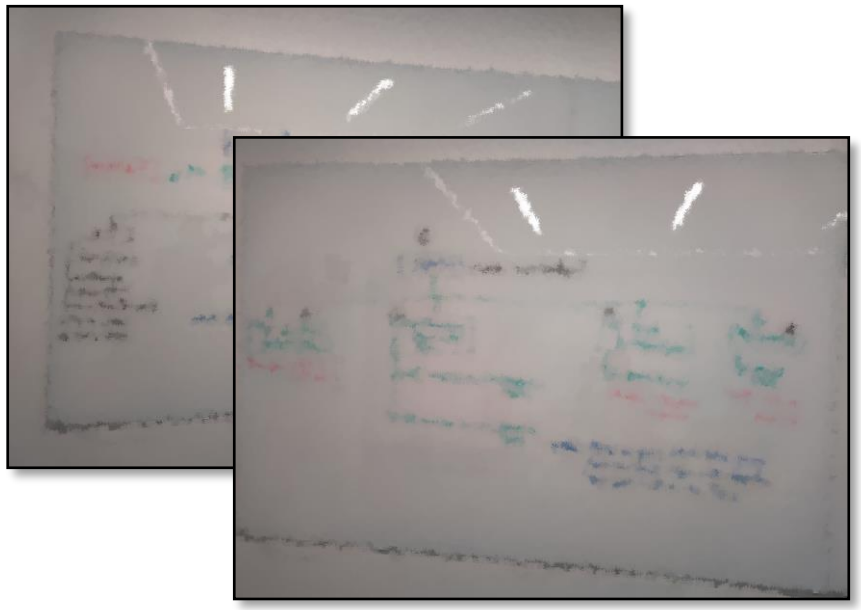
Using NLP to find Labels

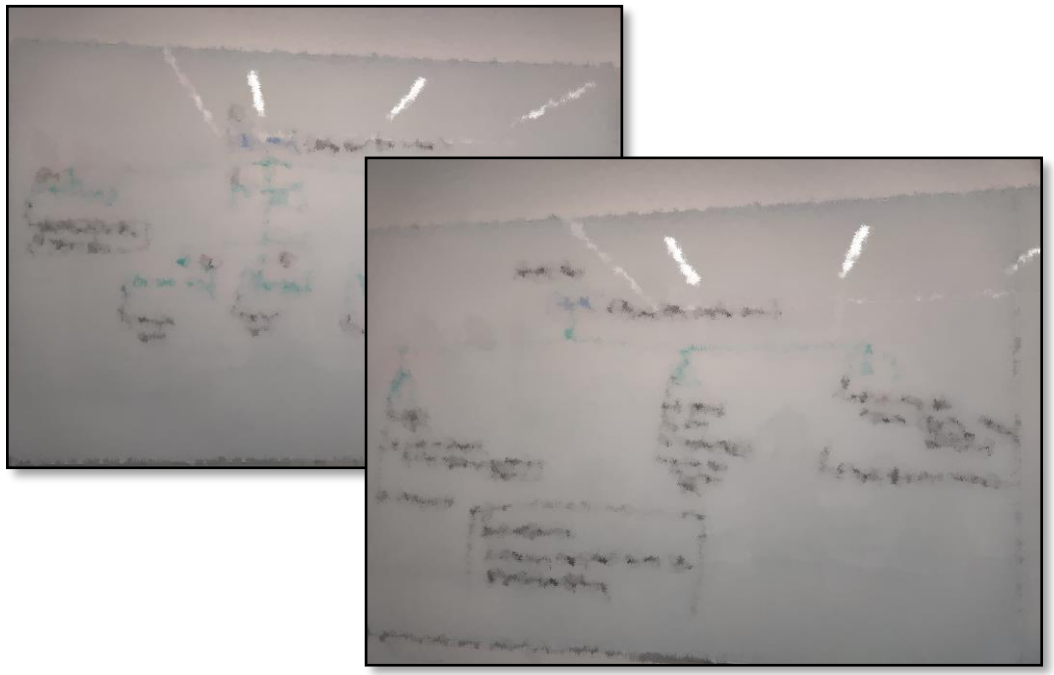
using a GRU-NN Architecture using “cuDNNGRU”



ADS Sessions

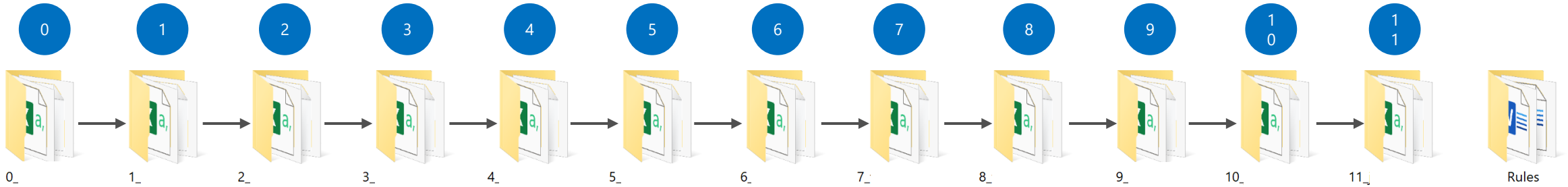
Rules where defined and discussed in Several ADS Sessions



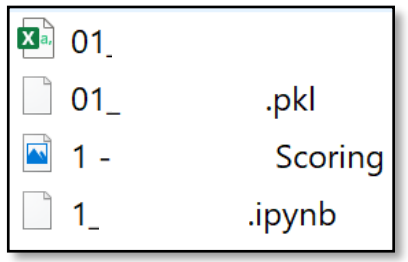


Notebooks are saved in chronological order

We used Machine Learning Models to transform them into Discrete



- Read Files
- Apply Models
- Preprocess Dates



In each variable, we output the score and the reason behind the score