Digit Classification

[Team XXX: COMP 598 Group Project 3] *

Emmanuel Bengio
McGill University
emmanuel.bengio@mail.mcgill.ca

Yuting Wen
McGill University
yuting.wen@mail.mcgill.ca

Sherry Ruan
McGill University
sherry.s.ruan@gmail.com

ABSTRACT
TBD

1. INTRODUCTION
overview of approach

2. RELATED WORK
Optional

3. DATA PREPROCESSING
data preprocessing methods

4. FEATURE DESIGN AND SELECTION
feature design and selection methods

5. ALGORITHM SELECTION
5.1 Baseline:
5.2 Neural Net
5.3 Open:
algorithm selection for each of the 3 categories (baseline, neural net, open)

6. OPTIMIZATION
6.1 Baseline:
6.2 Neural Net
6.3 Open:
optimization methods for each of the 3 categories (baseline, neural net, open)

7. PARAMETER SELECTION
7.1 Baseline:
7.2 Neural Net
7.3 Open:
model order, learning rate, etc. for each of the 3 categories (baseline, neural net, open)

8. TESTING AND VALIDATION
8.1 Baseline:
8.2 Neural Net
8.3 Open:
detailed analysis of your results, outside of Kaggle for each of the 3 categories (baseline, neural net, open)

*The dataset and the implementation of the algorithm described in this report is available at https://github.com/yutingyw/imageClassification

9. DISCUSSION
pros and cons of your approach and methodology)

We hereby state that all the work presented in this report is that of the authors