Handwritten Digits Classifier Executive Summary

This project, from December 2020, shows how difficult it is to build a program that classifies handwritten digits. I tried variations of ten scenarios and in only one of these cases did the program work well. This can be seen in the tables in the latter part of the report where the model showed an accuracy of ~100% when I was still working (training) on it but was 90-95% when I tested it on new data.

This is an important problem to solve because many things are still written by hand, including filling out forms, addressing letters, and etc. Being able to sort this information electronically will speed up the business interactions with these customers. Therefore, ideally, I would spend more time exploring other ways to classify handwriting.