Configuration Manual

MSc Research Project
AI for Business

Linda Amado
Student ID: 22182101

School of Computing
National College of Ireland

Supervisor: Brian Byrne

Student Name:	Linda Amado
Student ID:	22182101
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Signature:	Linda Amado O.
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1   Overview

The present document aims to specify the software tools, configurations and environment required to develop the research project: Utilizing Machine Learning Models to forecast sales for a Software Company.

2   Software and Tools

2.1   Google Colab

Name: google-colab
Version: 1.0.0
Summary: Google Colaboratory tools
Home-page: https://colaboratory.research.google.com/
Author: Google Colaboratory team
Author-email: colaboratory-team@google.com
License: Apache 2.0
Location: /usr/local/lib/python3.10/dist-packages
Requires: google-auth, ipykernel, ipyparallel, ipython, notebook, pandas, portpicker, requests, tornado
Runtime Type: Python 3
Hardware Acelerator: CPU

2.2   Python:

Python Version: 3.10.12
Pandas version: 2.1.4
XGBoost: 2.1.1
NumPy version: 1.26.4
Seaborn version: 0.13.1
Sklearn version: 1.3.2

3   Hardware

The equipment used for this research is a MacBook Air 2020, equipped with an Apple M1 Chip and 16GB RAM.