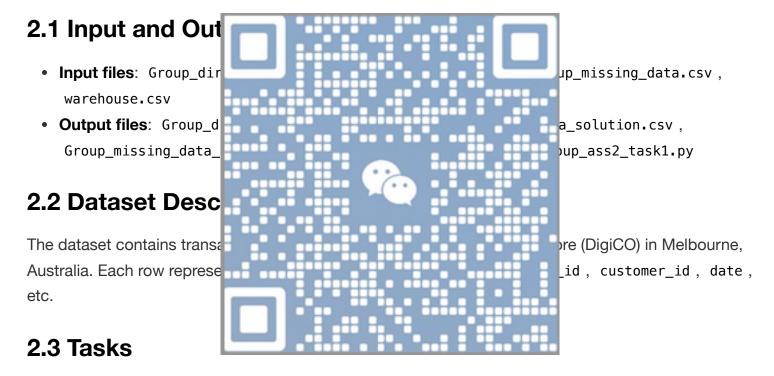
FIT5196 - S2 - 2024 Assessment 2

1. Introduction

This is a group assessment worth 40% of the total mark for FIT5196. It consists of three tasks related to data analysis and manipulation.

2. Task 1: Data Cleansing (50%)



- 1. Detect and fix errors in _dirty_data.csv
- 2. Impute the missing values in _missing_data.csv
- Detect and remove outlier rows in _outlier_data.csv (w.r.t. the delivery_charges attribute only)

2.4 Methodology

The group_id_ass2_task1.ipynb should demonstrate the methodology to achieve correct results. This includes using appropriate Python functions for input, process, and output, and presenting the solution in an efficient and proper way.

3. Task 2: Data Reshaping (15%)

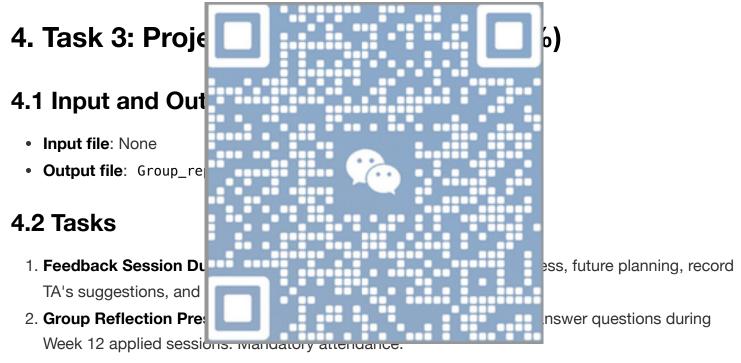
3.1 Input and Output Files

Input file: suburb_info.xlsx

• Output file: Group_ass2_task2.ipynb

3.2 Task Description

Study the effect of different normalisation/transformation methods on columns number_of_houses, number_of_units, population, aus_born_perc, median_income, median_house_price to prepare data for a linear regression model to predict median_house_price.



Reflective Report: Provide a report based on feedback, tailored solutions, and any related findings.

5. Submission Requirements

- Submit 6 files: Group_dirty_data_solution.csv, Group_missing_data_solution.csv,
 Group_outlier_data_solution.csv, Group_ass2_task1.ipynb, Group_ass2_task1.py,
 Group_ass2_task2.ipynb, Group_report.pdf
- Zip all files into Group_ass2.zip
- Follow file naming standards and ensure files are parsable and readable.

6. Appendix

- Instructions for generating .py files from notebooks.
- Submission checklist details.

