

# Part 5A - CSV and Excel Fundamentals Using ChatGPT Scripts

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## Part 5A - CSV and Excel Fundamentals Using ChatGPT Scripts

### Chapters

1. Understanding CSV and Excel Files
2. Reading a CSV File
3. Writing a CSV File
4. Reading an Excel File

### Purpose

Learn how to use ChatGPT scripts to generate Python programs that work with CSV and Excel files.

### Standard Workflow

Business Problem → ChatGPT Script → Generated Python Program → Test → Improve Script → Improve Program

## Chapter 1 - Understanding CSV and Excel Files

- What is CSV
- What is XLSX
- Advantages and disadvantages
- Business examples

## **Chapter 2 - Reading a CSV File**

Program: Read-CSV.py

Topics: - pandas - read\_csv() - row counts - column counts

## **Chapter 3 - Writing a CSV File**

Program: Write-CSV.py

Topics: - DataFrame - to\_csv() - UTF-8 output

## **Chapter 4 - Reading Excel Files**

Program: Read-Excel.py

Topics: - read\_excel() - worksheets - summaries

## **Part 5A Review**

- Read CSV
- Write CSV
- Read Excel
- Improve ChatGPT scripts