# ompp\_export\_excel.py

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#### 1 Introduction

ompp\_export\_excel.py is a Python utility script to export model output data from an OMPP-compatible SQLite database into Excel files.

By processing the contents of a given SQLite database, ompp\_export\_excel.py creates either a single Excel file with all tables as sheets or multiple Excel files, one for each table, based on the output settings.

# 2 Usage

To run the script, invoke the Python interpreter with ompp\_export\_excel.py, followed by two arguments: the input SQLite database file and the output path where the Excel files will be generated.

## Example Syntax

python ompp\_export\_excel.py <input-sqlite-file> <output-path>

### Arguments

<input-sqlite-file> The path to the SQLite database that contains OMPP
model output tables.

**<output-path>** The path to the directory or file where the script will write the Excel output. If a directory is provided, multiple Excel files are generated (one per table). If a file path is provided, a single Excel file with multiple sheets is created.

### 3 Example

Below is an example of the script run. This example uses the RiskPaths model output database and exports data to the user's desktop folder excelFiles.

C:\OpenM\openm\libopenm\common> python ompp\_export\_excel.py C:\OpenM\models\Risk

As the script runs, it displays informational messages for each processed table and confirms where the Excel files are written:

ompp export excel: Database connection closed.

This output confirms that each table has been processed and that the corresponding Excel files have been created successfully.

#### 4 File Contents

Each generated Excel file contains the full contents of a single table from the SQLite database. If exporting to a single Excel file, each table is written to a separate sheet, with sheet names truncated to 31 characters if necessary.

## 5 Error Handling

If the input database does not exist or the output path is invalid, the script logs an error message and stops. Common errors include:

- Database file not found: The specified SQLite database file does not exist.
- **Permission denied**: The script lacks write permissions for the output path.
- **Unexpected runtime errors**: These are logged to help diagnose and fix problems quickly.

# 6 Warnings

When exporting tables with long names, a warning is logged if the sheet name exceeds 31 characters. This limitation is due to Excel's constraints on sheet names.