User Guide: Semi-Automatic Temperature Analysis

This user guide explains how to use the model for semi-automatic temperature analysis in infrared videos. The model and the accompanying files required for semi-automatic temperature analysis can be obtained from the shared Google Drive Autonomic innervation. A few simple steps will guide you through performing the task:

1. Download the entire folder *Semi-Automatic Temperature Analysis* and save it locally on your computer.

2. This folder should contain the following files and folder:
• SemiAutomaticModel.py
• hand_landmarker.task
• Folder: *Data*, containing subfolders: *1. Videos*, *2. Processed videos* and *3. Output*
• User Guide

3. Ensure you have installed Python and Anaconda or Miniconda

4. Install Tesseract by following the steps on this website:
https://tesseract-ocr.github.io/tessdoc/Installation.html

5. Run the following lines in your terminal or command prompt:
• Pip install imageio
• Pip install opencv-python
• Pip install xlsxwriter
• Pip install pytesseract

6. Store tesseract.exe on your computer

7. Insert the 'Path to tesseract.exe' in the Python script

8. Place the infrared videos to be analysed in the subfolder *Data*, *1. Videos*

9. Run the Python code