ENTSEG
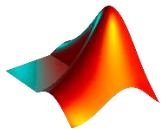# Installation Manual

1. Install Matlab
   Minimum version required: R2019b

2. Install Anaconda
   Python version: 3.8
   Pip version: 21.0.1
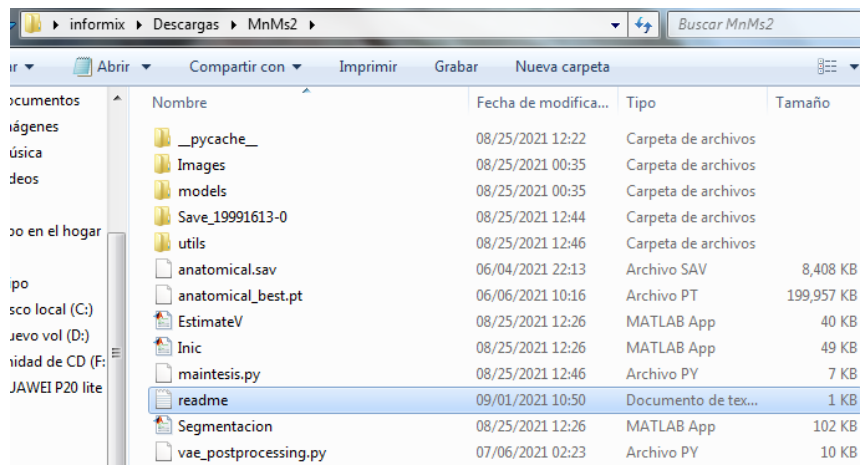

   To check the version in the Anaconda Prompt executable run:

   - pip -V

   ```
   (base) C:\Users\informix>pip -V
   pip 21.0.1 from C:\Users\informix\anaconda3\lib\site-packages\pip (python 3.8)
   ```

3. Install multiple libraries using the requirements.txt file

   First browse through the Anaconda Promt executable until you are in the folder that contains the requirements.txt file. Example


```
(base) C:\Users\informix>cd Downloads
(base) C:\Users\informix\Downloads>cd MnMs2
(base) C:\Users\informix\Downloads\MnMs2>
```

Run in the executable: pip install --user -r requirements.txt

```
(base) C:\Users\informix\Downloads\MnMs2>pip install --user -r requirements.txt
```

4. Now open Matlab, in the Command Window execute:
   - pyenv

```
        version: ''
     executable: ''
        library: ''
           home: ''
```

If you get the response from the image, you need to enter the following command with the location of the python executable (Respective location for each user). Example

   - pyenv('Version','C:\Users\informix\anaconda3\python.exe')

```
>> pyenv('Version','C:\Users\informix\anaconda3\python.exe')

ans =

  PythonEnvironment with properties:

          Version: "3.8"
       Executable: "C:\Users\informix\anaconda3\python.exe"
          Library: "C:\Users\informix\anaconda3\python38.dll"
             Home: "C:\Users\informix\anaconda3"
           Status: NotLoaded
    ExecutionMode: OutOfProcess
```

This is the answer that will be obtained.To change ExecutionMode if it is not correct, run the following command:

   - pyenv("ExecutionMode","OutOfProcess")

To change the status and test that the communication between Python and Matlab is correct, run the following commands:

   - py.list({'Monday','Tuesday','Wednesday','Thursday','Friday'});
   - pyenv

```
>> py.list({'Monday','Tuesday','Wednesday','Thursday','Friday'})

ans =

  Python list with no properties.

    ['Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday']
```

```
>> pyenv

ans =

  PythonEnvironment with properties:

          Version: "3.8"
       Executable: "C:\Users\informix\anaconda3\python.exe"
          Library: "C:\Users\informix\anaconda3\python38.dll"
             Home: "C:\Users\informix\anaconda3"
           Status: Loaded
    ExecutionMode: OutOfProcess
        ProcessID: "6356"
      ProcessName: "MATLABPyHost"
```
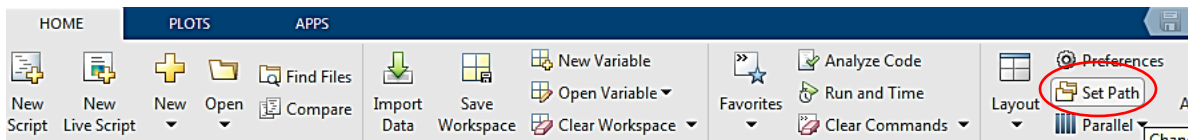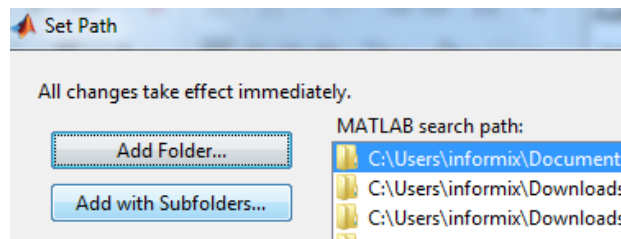
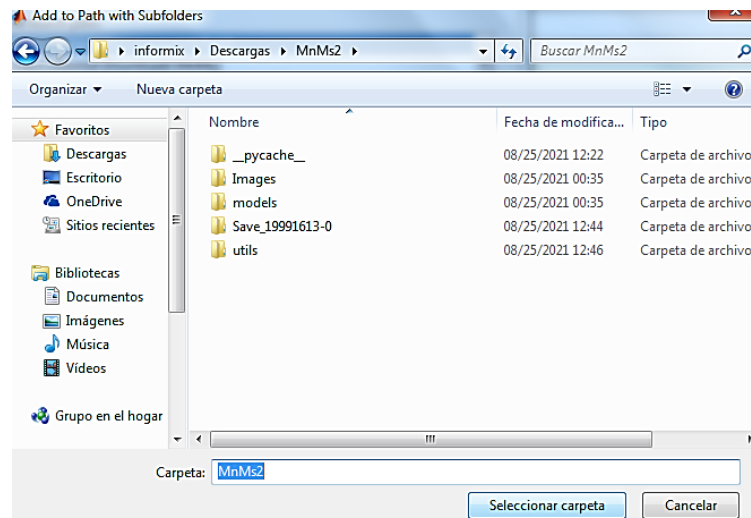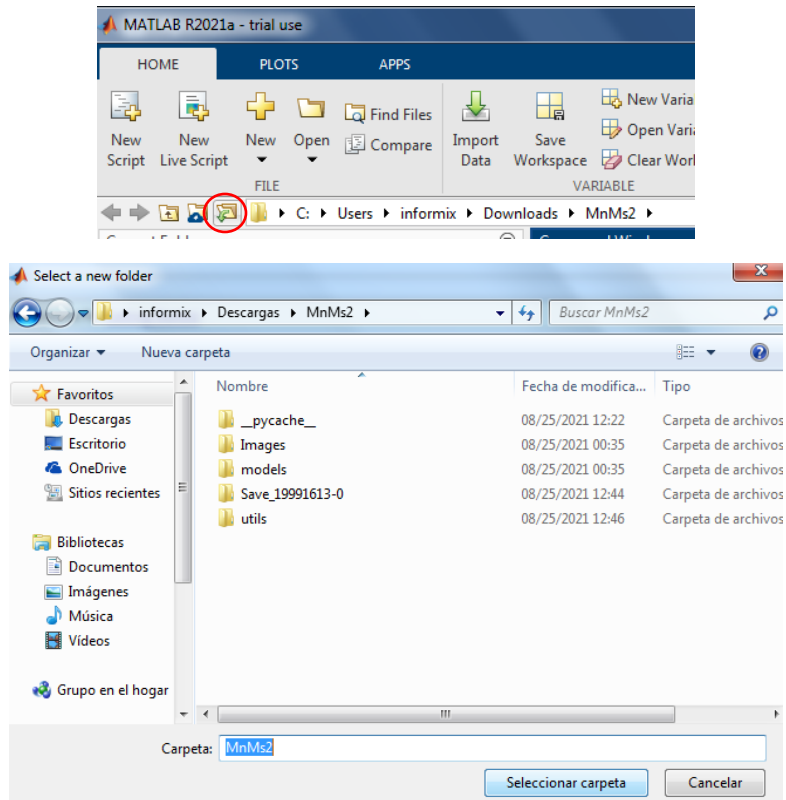5. Next, let's set the path of the folder that contains all the framework files

Example:

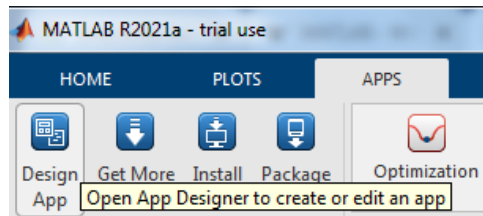Click in Add with Subfolders….

And select the folder that contains all the files and SAVE

6. Finally select Browser for folder and select the folder that contains all the files

Open Design App and open the three files: Inic – Segmentacion – EstimateV

Run Inic and test the app: