

# Documentation for the count lines utility script in MATLAB

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## Description

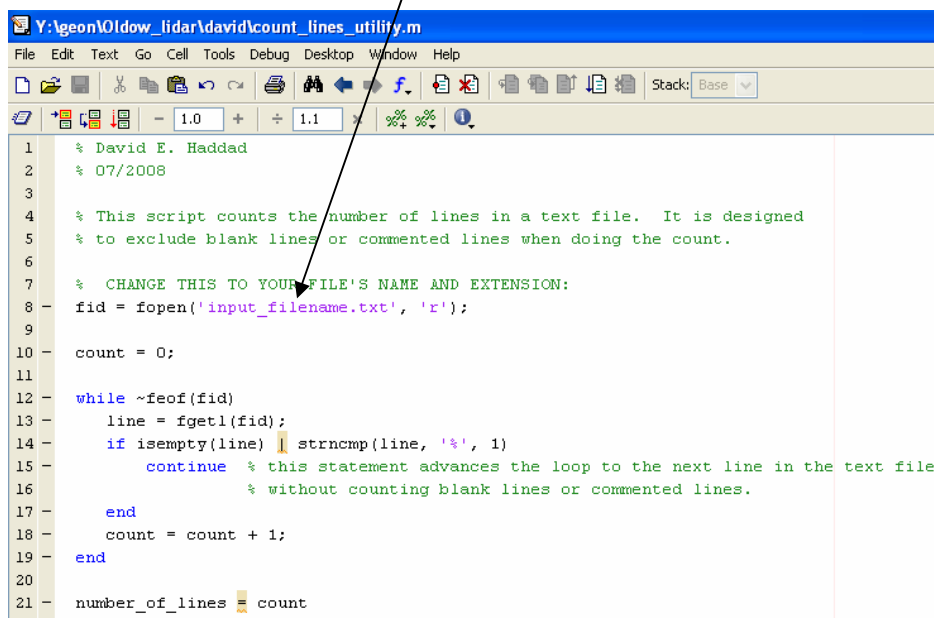
The count lines utility script was written in MATLAB and was designed to count the number of lines in an ASCII text file. The script returns the number of lines as an integer variable named “number\_of\_lines”.

## Operating steps

### Notes

- \*\* Headers in the input file will be included in the line count.
- \*\* The input file must be located in the same directory as the script.

- (1) Replace the text “input\_filename” with the name of the ASCII file. Note that the script will include any headers when counting the number of lines in this file.
- (2) Run the script in MATLAB.



```
Y:\geon\oldow_lidar\dauid\count_lines_utility.m
File Edit Text Go Cell Tools Debug Desktop Window Help
[Icons] Stack: Base
- 1.0 + ÷ 1.1 * %% %
1 % David E. Haddad
2 % 07/2008
3
4 % This script counts the number of lines in a text file. It is designed
5 % to exclude blank lines or commented lines when doing the count.
6
7 % CHANGE THIS TO YOUR FILE'S NAME AND EXTENSION:
8 - fid = fopen('input_filename.txt', 'r');
9
10 - count = 0;
11
12 - while ~feof(fid)
13 -     line = fgetl(fid);
14 -     if isempty(line) || strcmp(line, '%', 1)
15 -         continue % this statement advances the loop to the next line in the text file
16 -                 % without counting blank lines or commented lines.
17 -     end
18 -     count = count + 1;
19 - end
20
21 - number_of_lines = count
```