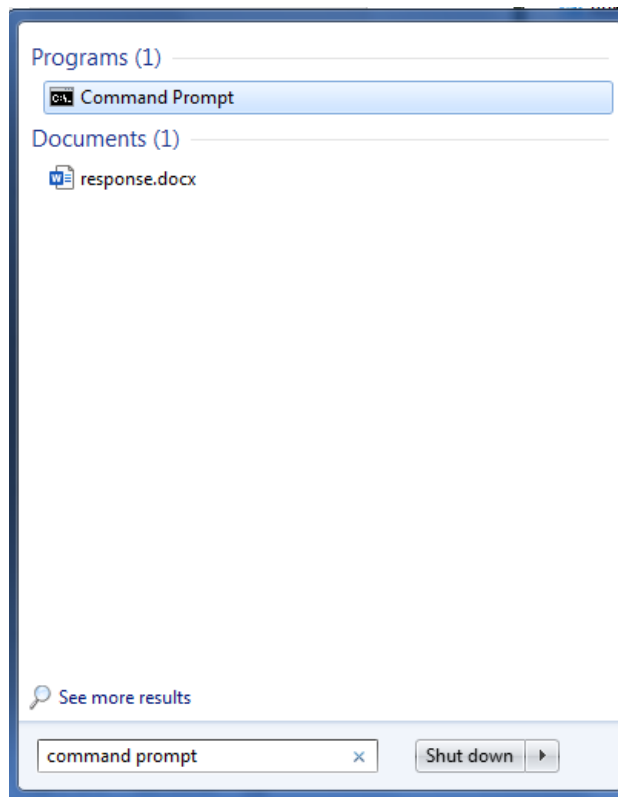




## Creating multiple MDM files using a batch file

Open a **Command Prompt** box from the **Start** menu.



Use the commands as shown below to navigate to the folder you intend to work in. In this example, the directory is changed (cd command) to the folder in which HLM installed the examples, i.e. HLM 8 Examples.

Then use the exact path name to your HLM installation in quotes, along with the module you want to use (HLM2 here), the keyword “-r” and the name of the MDMT file in which your instructions are stored.

```

C:\tech>cd\
C:\>cd HLM 8 Examples
C:\HLM 8 Examples>cd Chapter2
C:\HLM 8 Examples\Chapter2>"c:\program files <x86>\HLM8\hlm2" -r hsb.mdm

```

After the program has run, the screen will show the statistics for the newly created MDM file:

```

LEVEL-1 DESCRIPTIVE STATISTICS
VARIABLE NAME      N      MEAN      SD      MINIMUM      MAXIMUM
MINORITY           7185     0.27     0.45     0.00         1.00
FEMALE             7185     0.53     0.50     0.00         1.00
SES                7185     0.00     0.78    -3.76         2.69
MATHACH            7185    12.75     6.88    -2.83        24.99

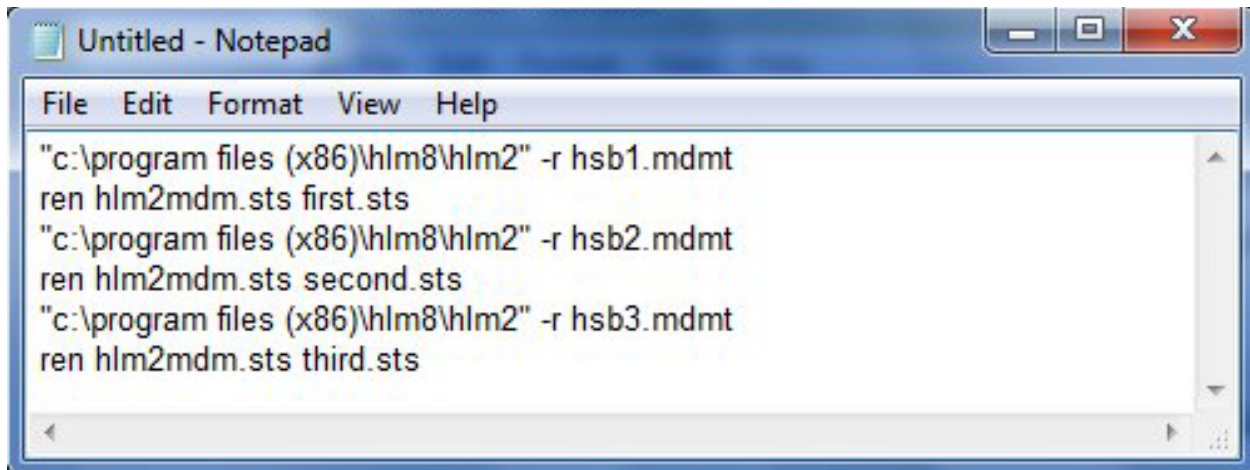
LEVEL-2 DESCRIPTIVE STATISTICS
VARIABLE NAME      N      MEAN      SD      MINIMUM      MAXIMUM
SIZE               160    1097.83   629.51   100.00       2713.00
SECTOR             160     0.44     0.50     0.00         1.00
PRACAD             160     0.51     0.26     0.00         1.00
DISCLIM            160    -0.02     0.98    -2.42         2.76
HIMINTY            160     0.28     0.45     0.00         1.00
MEANSES            160    -0.00     0.41    -1.19         0.83

7185 level-1 records have been processed
160 level-2 records have been processed

```

To create a number of MDM files, you first need to create a number of MDMT files. This can be done by using the original MDMT file created within the HLM GUI, copying it the number of times needed, and amending the contents in Notepad, Wordpad etc.

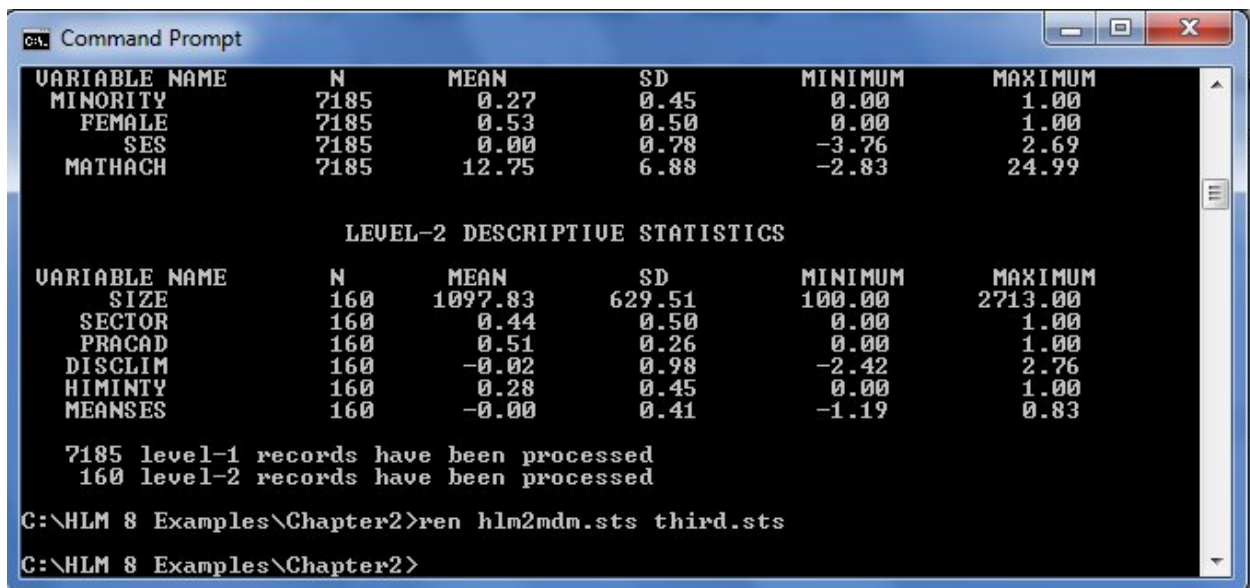
Once that is done, a batch file needs to be created, also using Notepad/Wordpad. Here I have created three MDMT files named **HSB1.MDMT**, **HSB2.MDMT** and **HSB3.MDMT**. Because the **HLM2MDM.STS** file will be overwritten every time a new MDM file is created, each STS file has to be renamed in the batch file to have a unique name before the next MDMT file is created (ren command). This is what the batch file, named MDM.BAT looks like:



```
File Edit Format View Help
"c:\program files (x86)\hlm8\hlm2" -r hsb1.mdm
ren hlm2mdm.sts first.sts
"c:\program files (x86)\hlm8\hlm2" -r hsb2.mdm
ren hlm2mdm.sts second.sts
"c:\program files (x86)\hlm8\hlm2" -r hsb3.mdm
ren hlm2mdm.sts third.sts
```

This file is placed in the same folder as the MDMT and data files.

To run this file, use your Windows Explorer to find the folder and scroll down to the file. Then double-click on the file name. This will open a Command Prompt box in which HLM instructions will be shown as they are processed. At the end, the contents of the box will look like this:



```
Command Prompt
VARIABLE NAME    N    MEAN    SD    MINIMUM    MAXIMUM
MINORITY         7185  0.27    0.45    0.00      1.00
FEMALE           7185  0.53    0.50    0.00      1.00
SES              7185  0.00    0.78    -3.76     2.69
MATHACH          7185  12.75   6.88    -2.83     24.99

LEVEL-2 DESCRIPTIVE STATISTICS
VARIABLE NAME    N    MEAN    SD    MINIMUM    MAXIMUM
SIZE             160  1097.83 629.51  100.00    2713.00
SECTOR           160  0.44    0.50    0.00      1.00
PRACAD           160  0.51    0.26    0.00      1.00
DISCLIM          160  -0.02   0.98    -2.42     2.76
HIMINTY          160  0.28    0.45    0.00      1.00
MEANSES          160  -0.00   0.41    -1.19     0.83

7185 level-1 records have been processed
160 level-2 records have been processed
C:\HLM 8 Examples\Chapter2>ren hlm2mdm.sts third.sts
C:\HLM 8 Examples\Chapter2>
```

You can check that all have been created as expected by using your Windows Explorer to inspect the folder in which you have been working.