

# Unit V

- **Gnuplot**

# • Gnuplot

The screenshot shows the gnuplot application window. The title bar reads "gnuplot". The menu bar includes "File", "Plot", "Expressions", "Functions", "General", "Axes", "Chart", "Styles", "3D", and "Help". Below the menu bar is a toolbar with icons for file operations like Open, Save, Print, and Plot. The main window displays the gnuplot command-line interface. It starts with the version information:

```
GNUPLOT  
Version 5.4 patchlevel 8      last modified 2023-06-01
```

Followed by copyright and author information:

```
Copyright (C) 1986-1993, 1998, 2004, 2007-2023  
Thomas Williams, Colin Kelley and many others
```

And help information:

```
gnuplot home:      http://www.gnuplot.info  
faq, bugs, etc:   type "help FAQ"  
immediate help:   type "help"  (plot window: hit 'h')
```

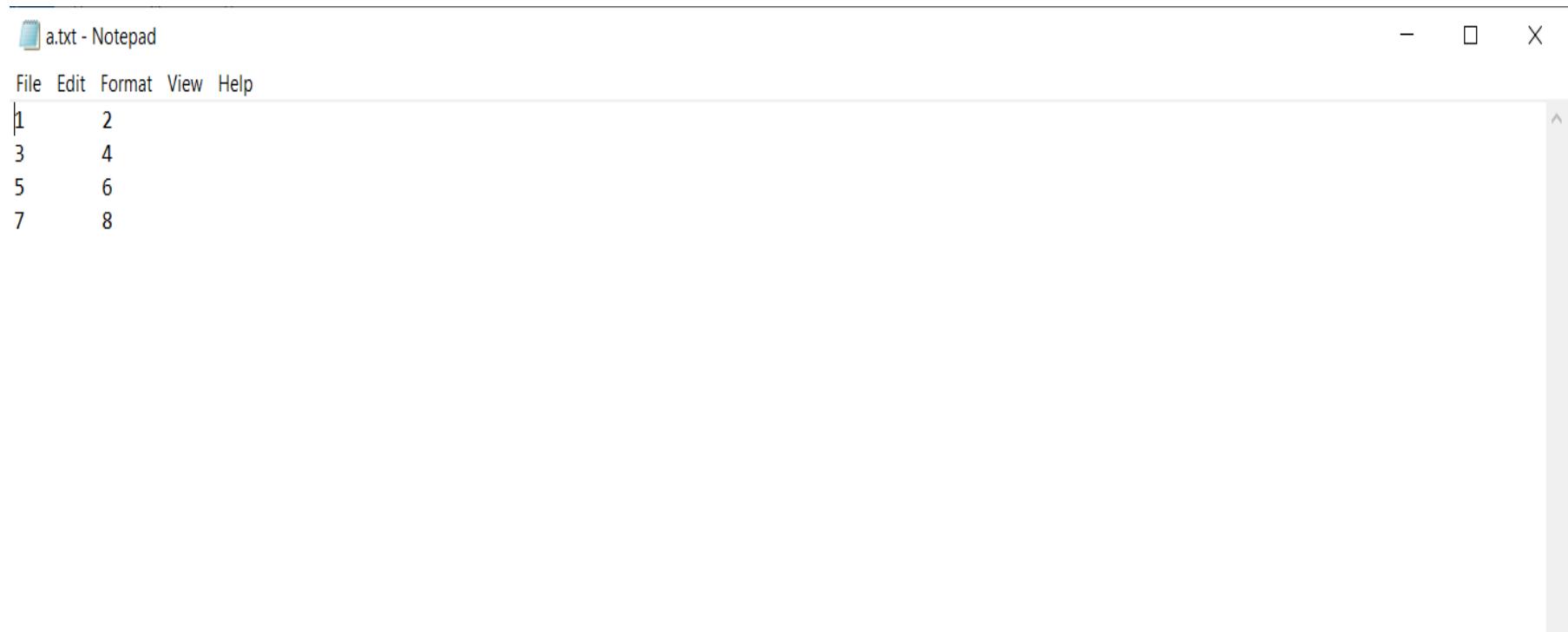
Then it shows the terminal type:

```
Terminal type is now 'qt'
```

Finally, it shows the prompt:

```
gnuplot>
```

- **Gnuplot**

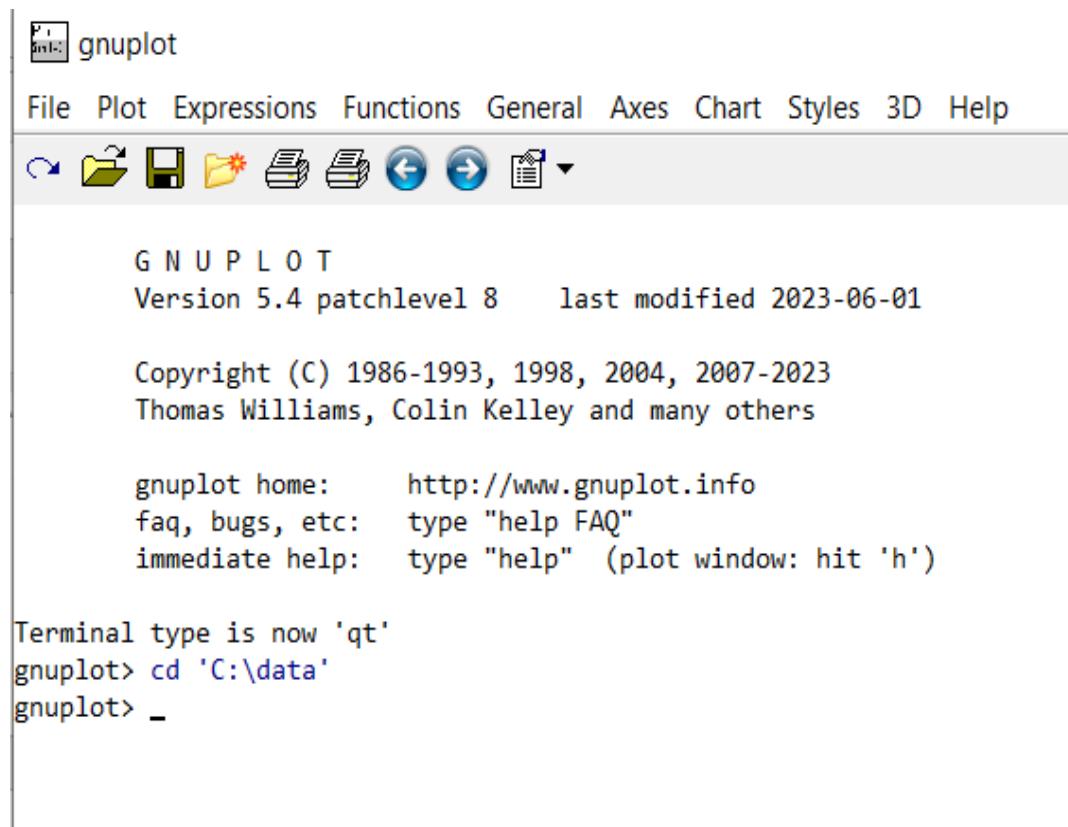
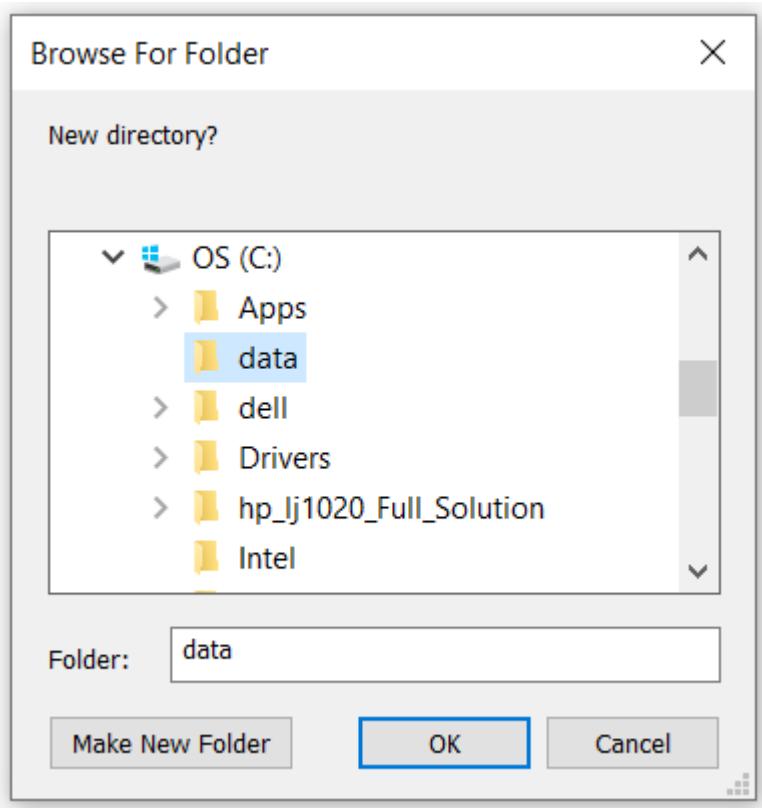


a.txt - Notepad

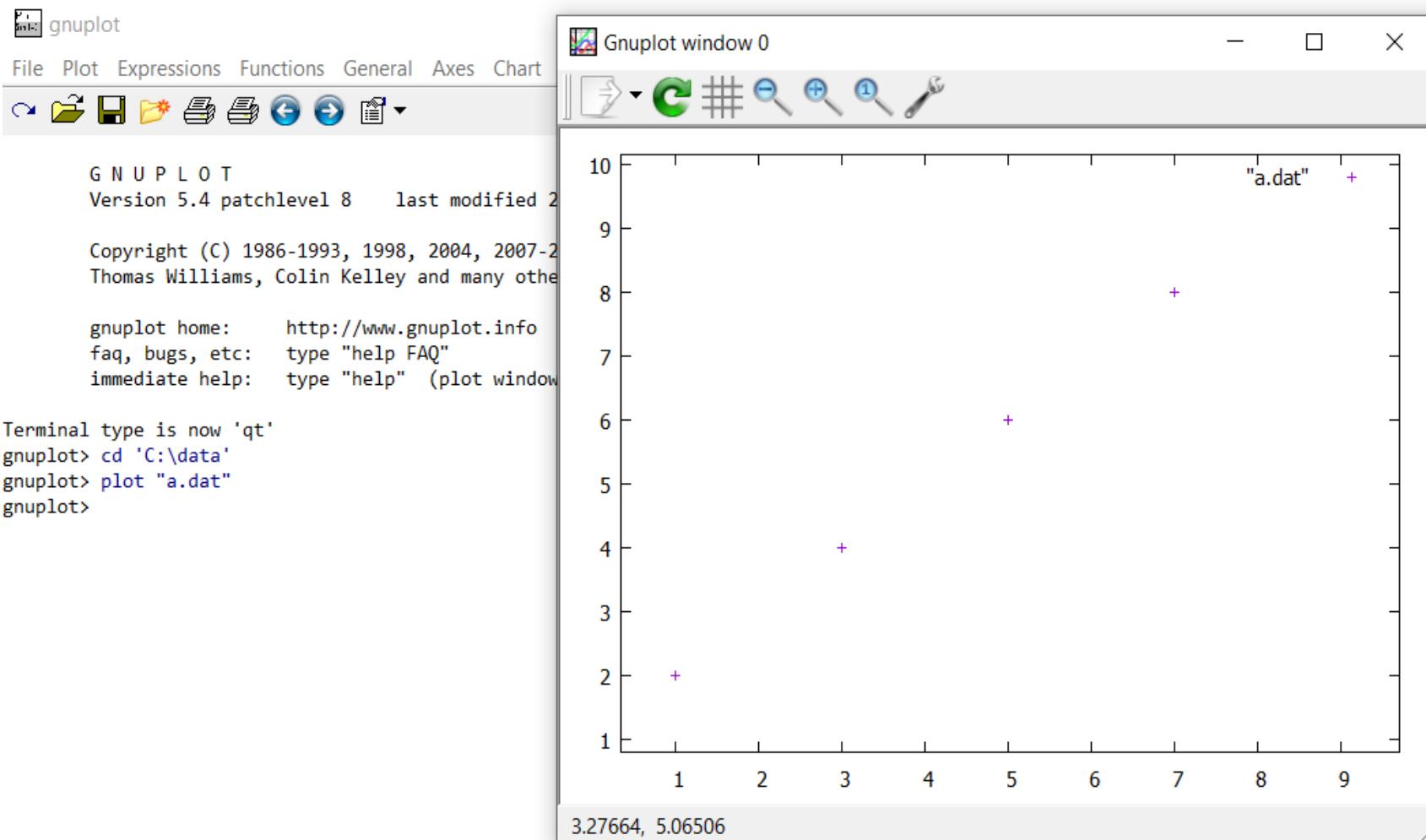
File Edit Format View Help

1	2
3	4
5	6
7	8

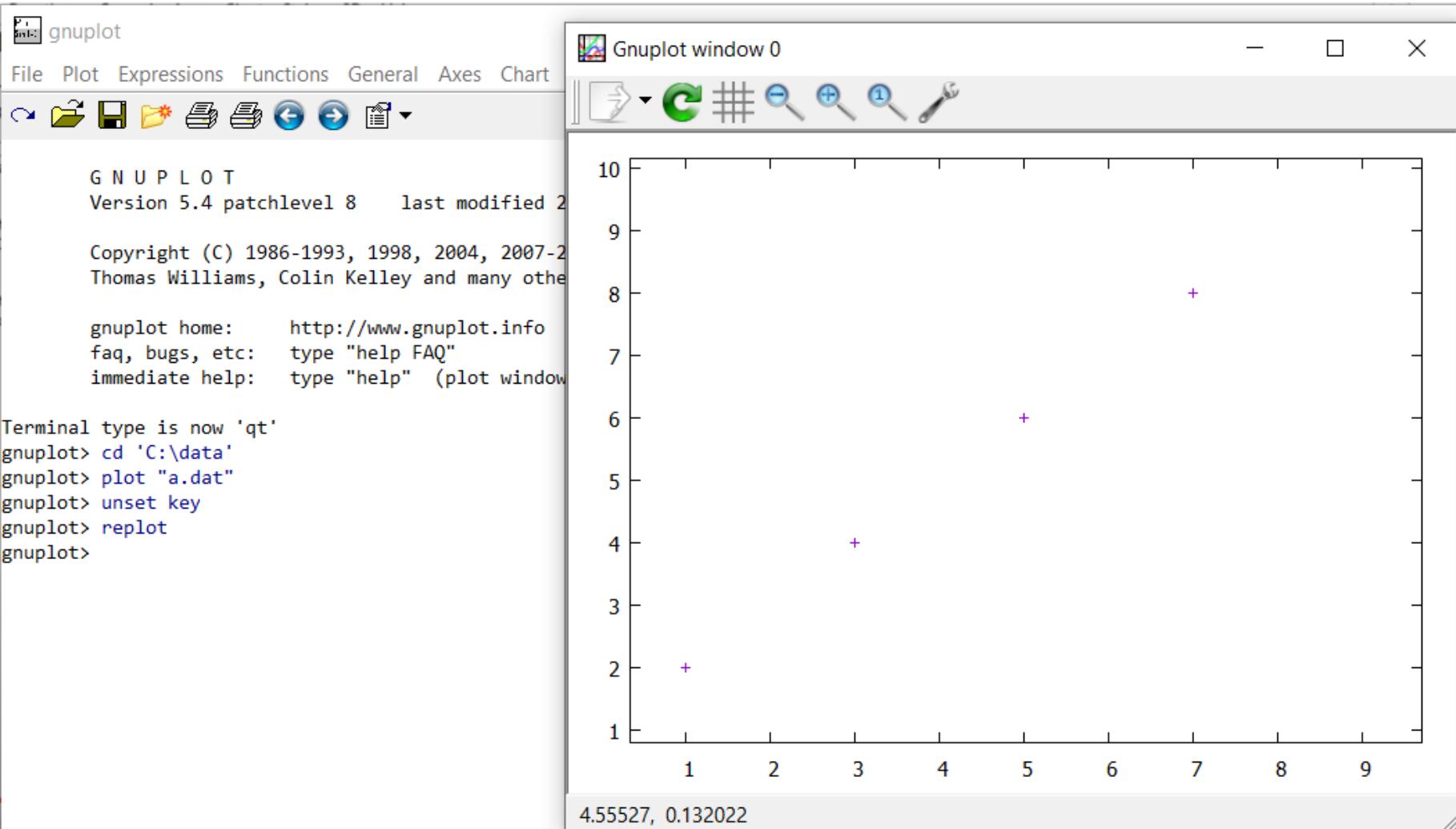
# • Change Directory



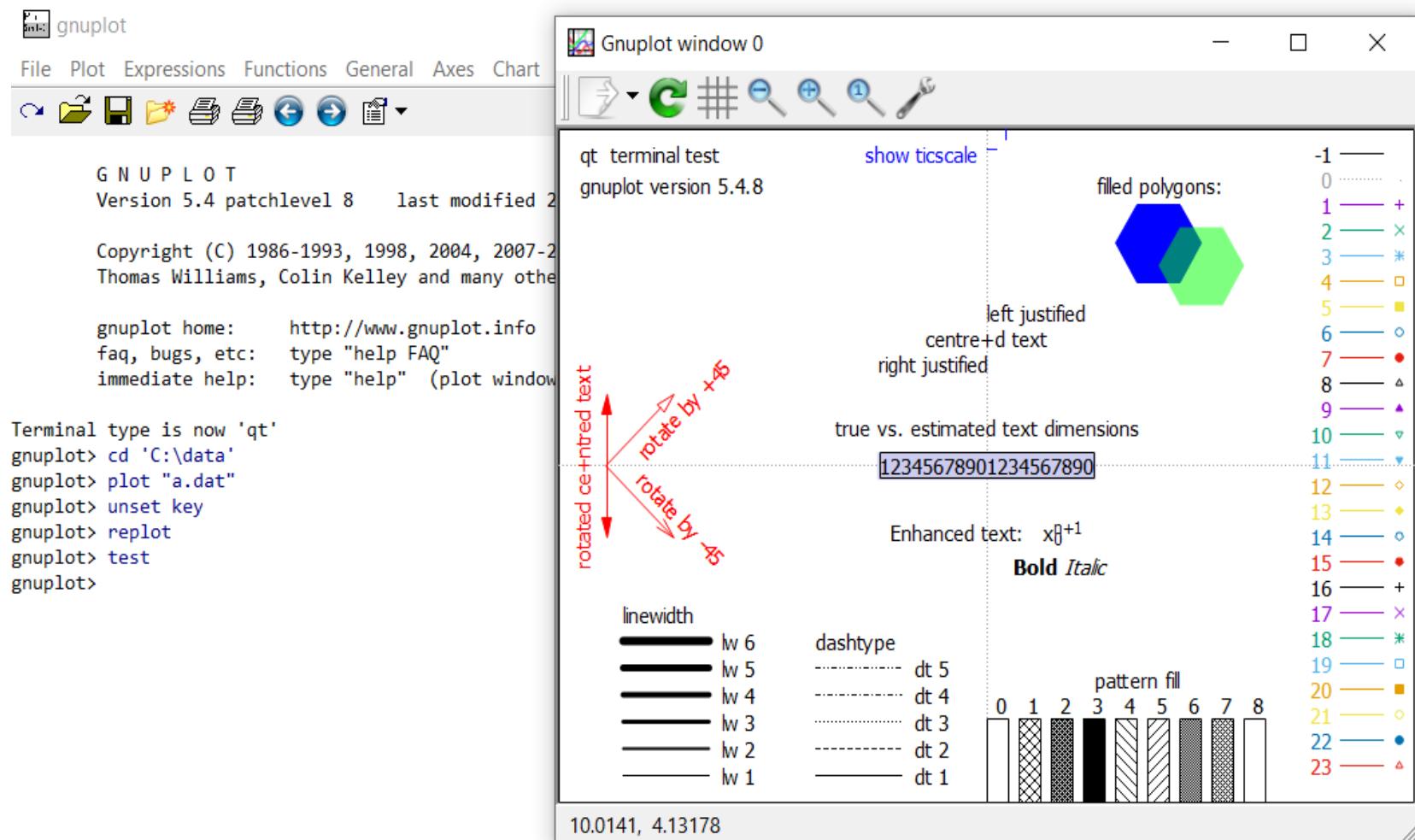
# • Gnuplot



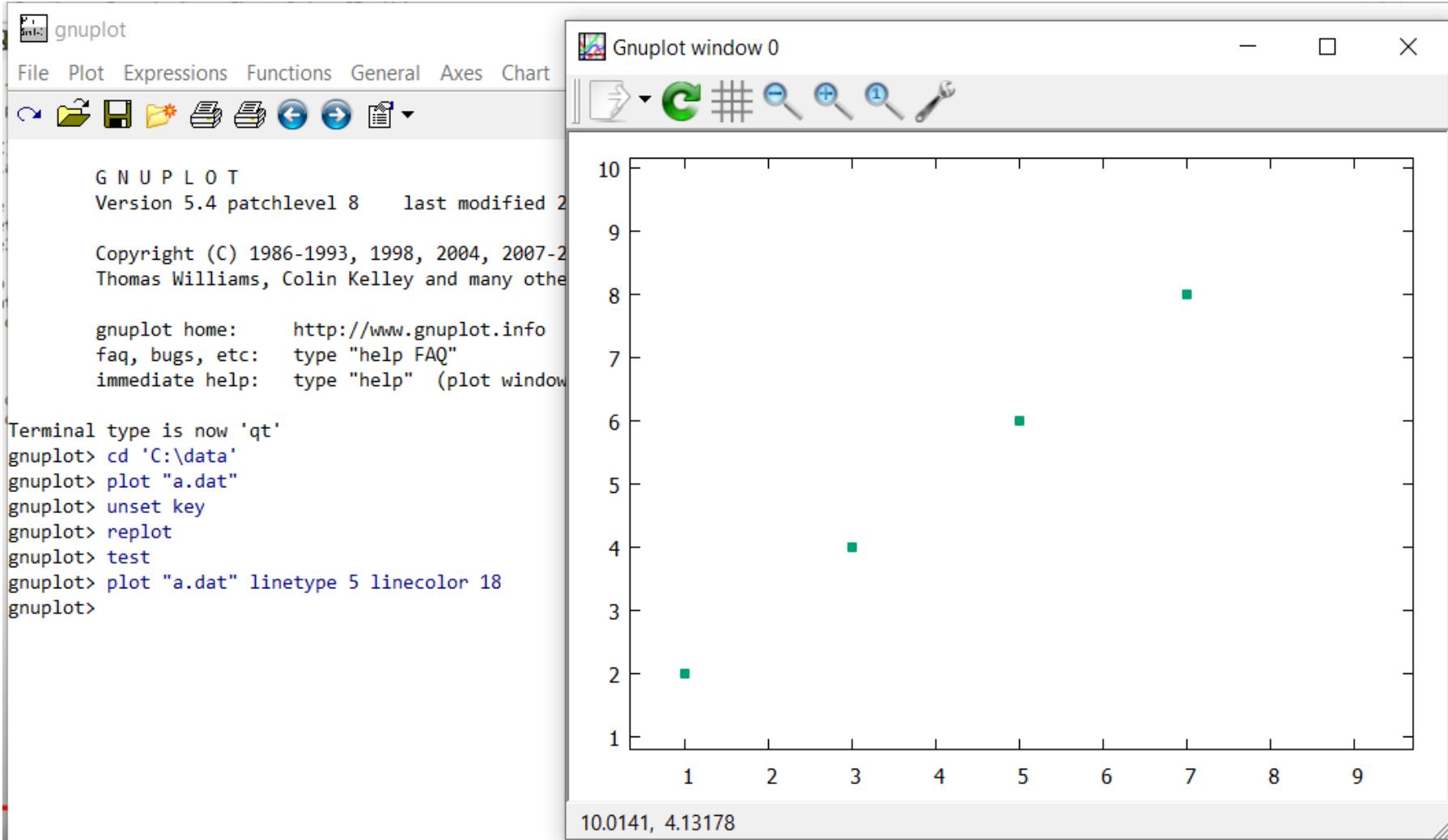
# • Gnuplot



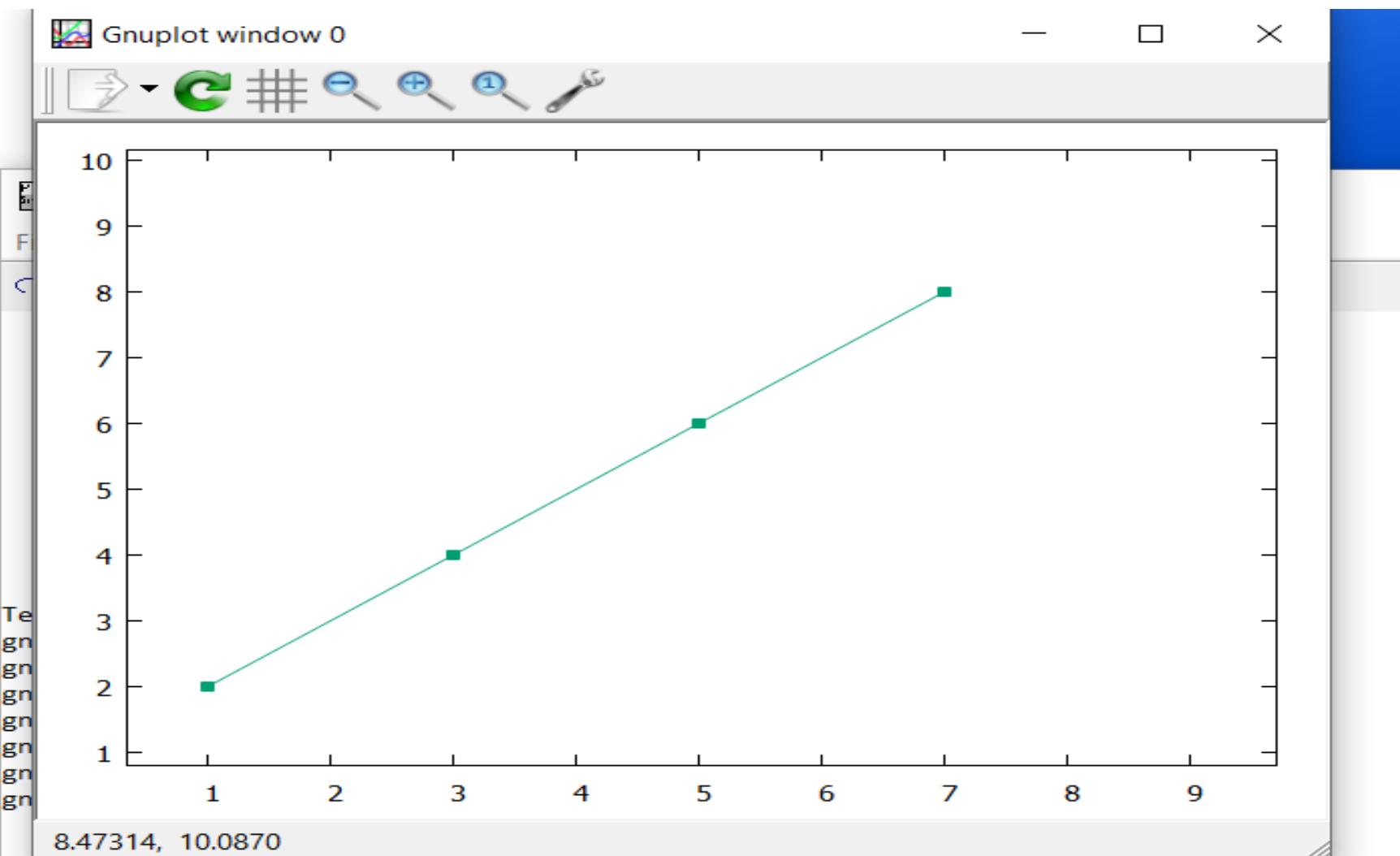
# • Gnuplot



# • Gnuplot

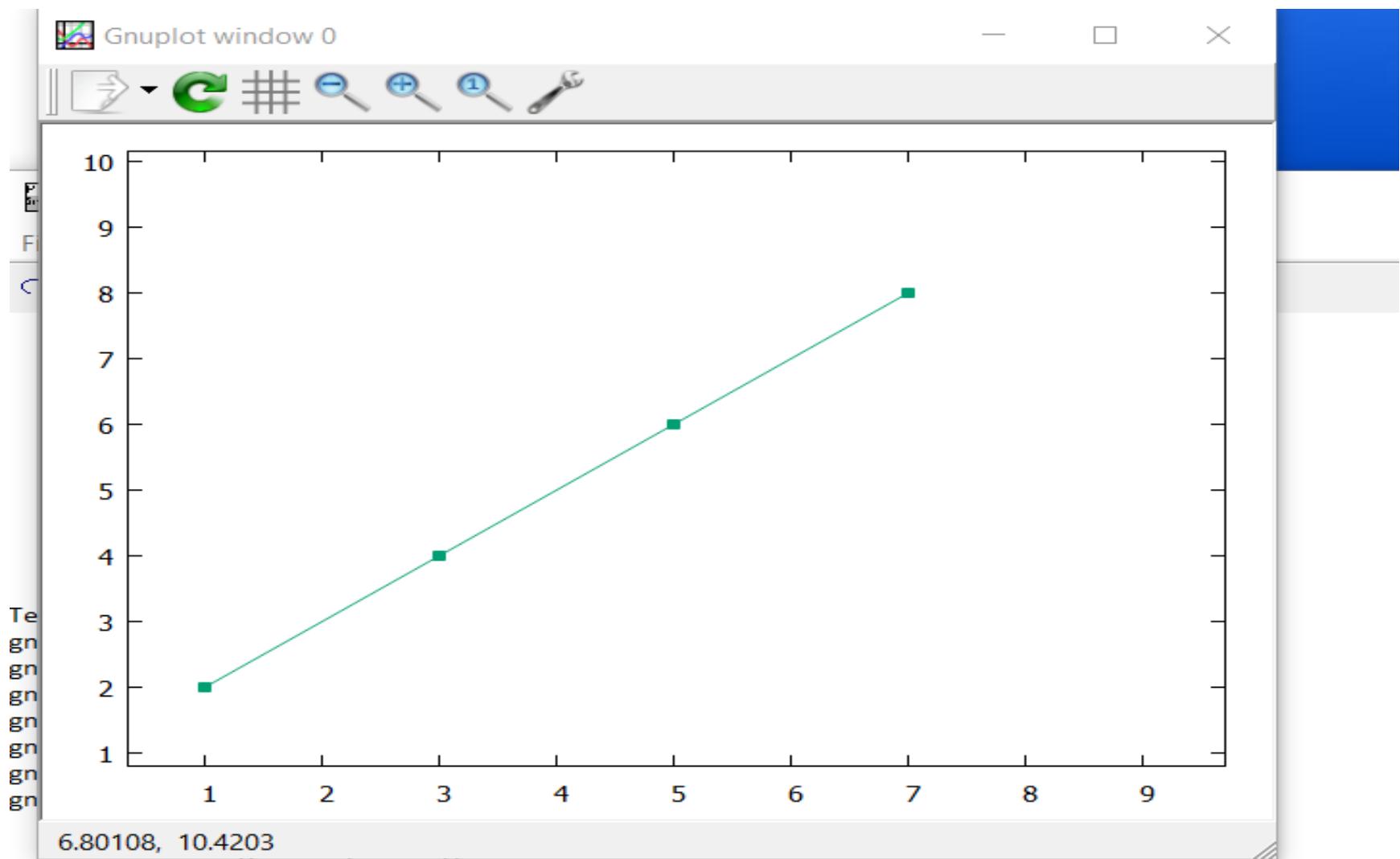


- **Gnuplot**



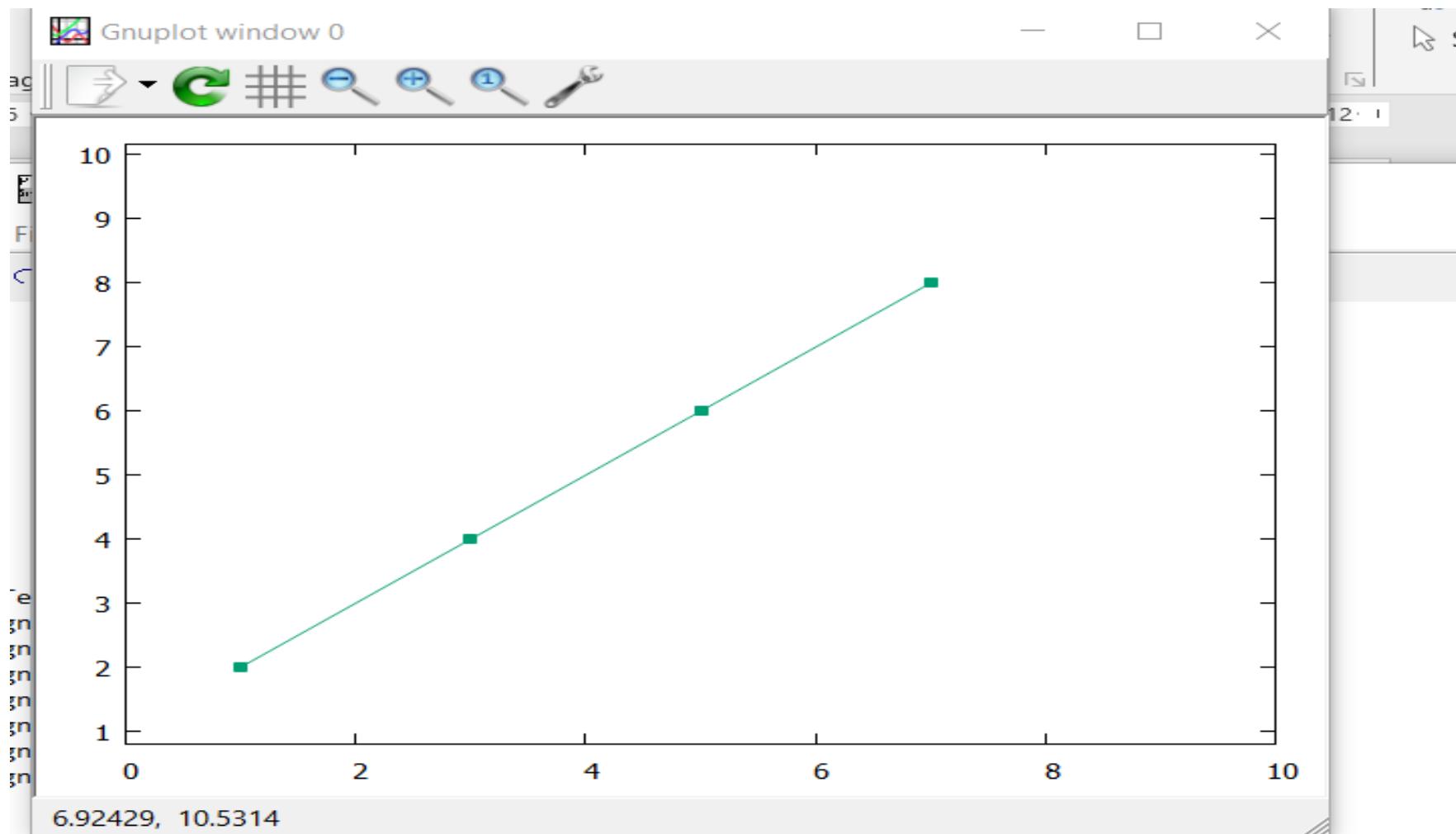
```
gnuplot> plot "a.dat" linetype 5 linecolor 18 with linespoints  
gnuplot>
```

- **Gnuplot**



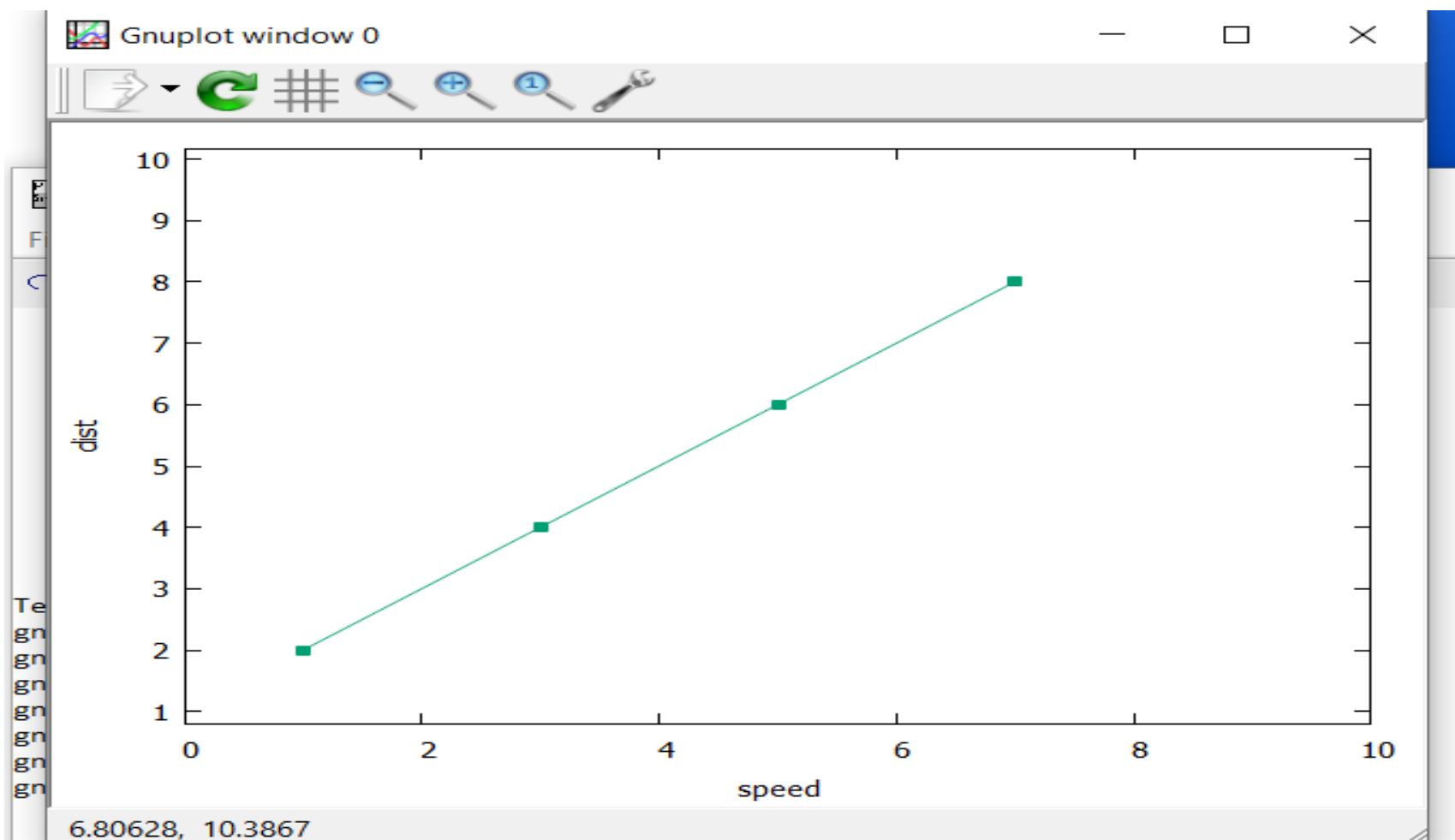
```
gnuplot> plot "a.dat" linetype 5 linecolor 18 with linespoints  
gnuplot> plot "a.dat" lt 5 lc 18 w lp  
gnuplot>
```

- **Gnuplot**



```
gnuplot> plot "a.dat" linetype 5 linecolor 18 with linespoints  
gnuplot> plot "a.dat" lt 5 lc 18 w lp  
gnuplot> set xrange[0:10]  
gnuplot> replot  
gnuplot>
```

- **Gnuplot**



```
gnuplot> plot "a.dat" linetype 5 linecolor 18 with linespoints
gnuplot> plot "a.dat" lt 5 lc 18 w lp
gnuplot> set xrange[0:10]
gnuplot> replot
gnuplot> set xlabel "speed"
gnuplot> set ylabel "dist"
gnuplot> replot
gnuplot>
```

# • Gnuplot

This PC > OS (C:) > data

