

CO 544 Machine Learning and Data Mining

Lab 04

TODO 1: Explain the reason to set,
`fig.subplots_adjust(hspace=1.0)` in part (c).

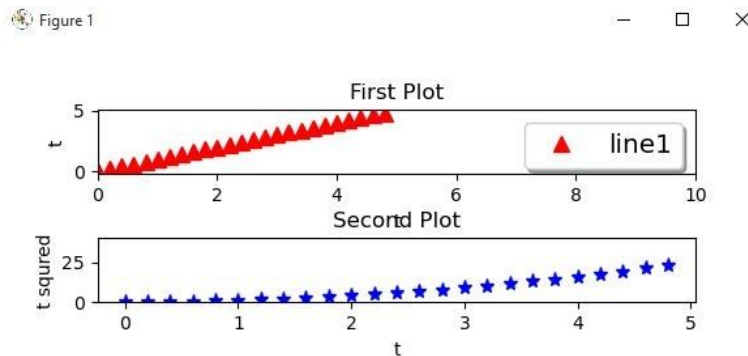


Figure:01

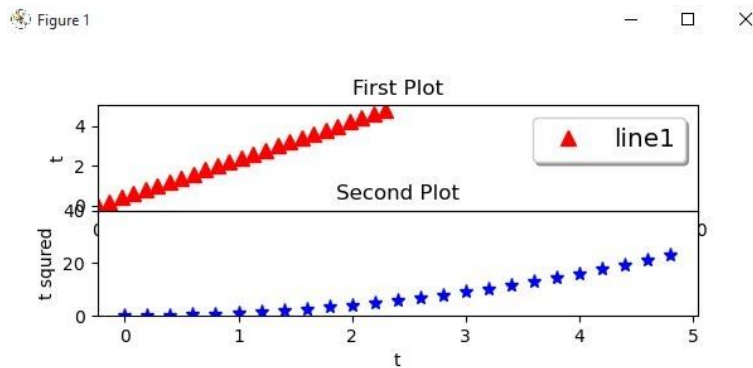


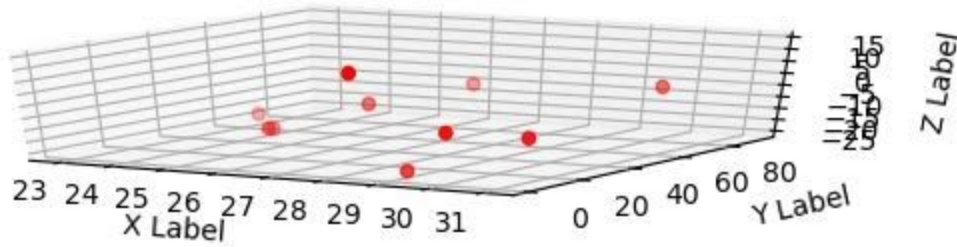
Figure:02

Figure:01 gives the plot for the code with `fig.subplots_adjust(hspace=1.0)` command . Figure:02 gives the plot for the code with `fig.subplots_adjust()` and it means without 'hspace' parameter. We can see there is a space between two subplots in figure 1 and no space between them in figure 02.

The reason for that is the subplot parameter `hspace` gives a space between subplots and the amount of height reserved for space between subplots is given by `hspace` value.

TODO 2: Visualize the 3D plot in part(e) in a different angle.

Default angle

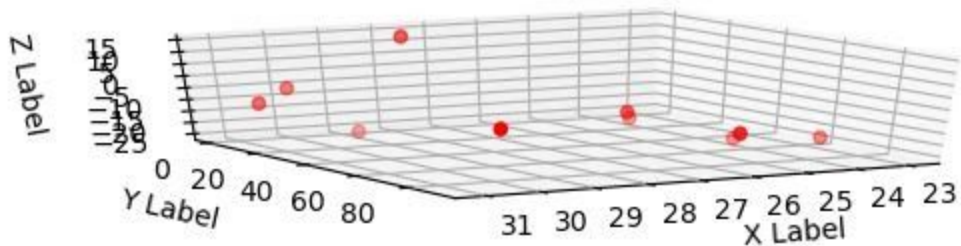


we can use the `view_init` method to set the plot in different angles.

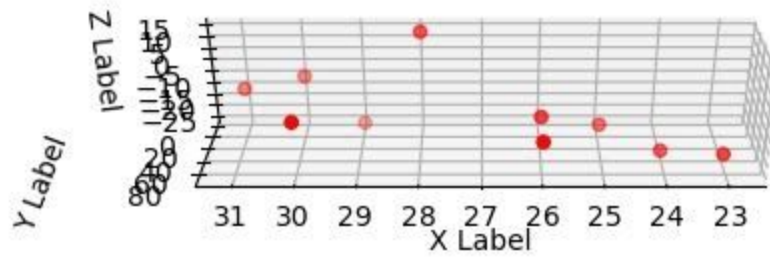
If we use `ax.view_init(30, 60)`, it means we use 30 degrees above the x-y plane and rotated 60 degrees about the z-axis.

Examples:

`ax.view_init(30, 60)`



`ax.view_init(30, 90)`



`ax.view_init(60,30)`

