

*

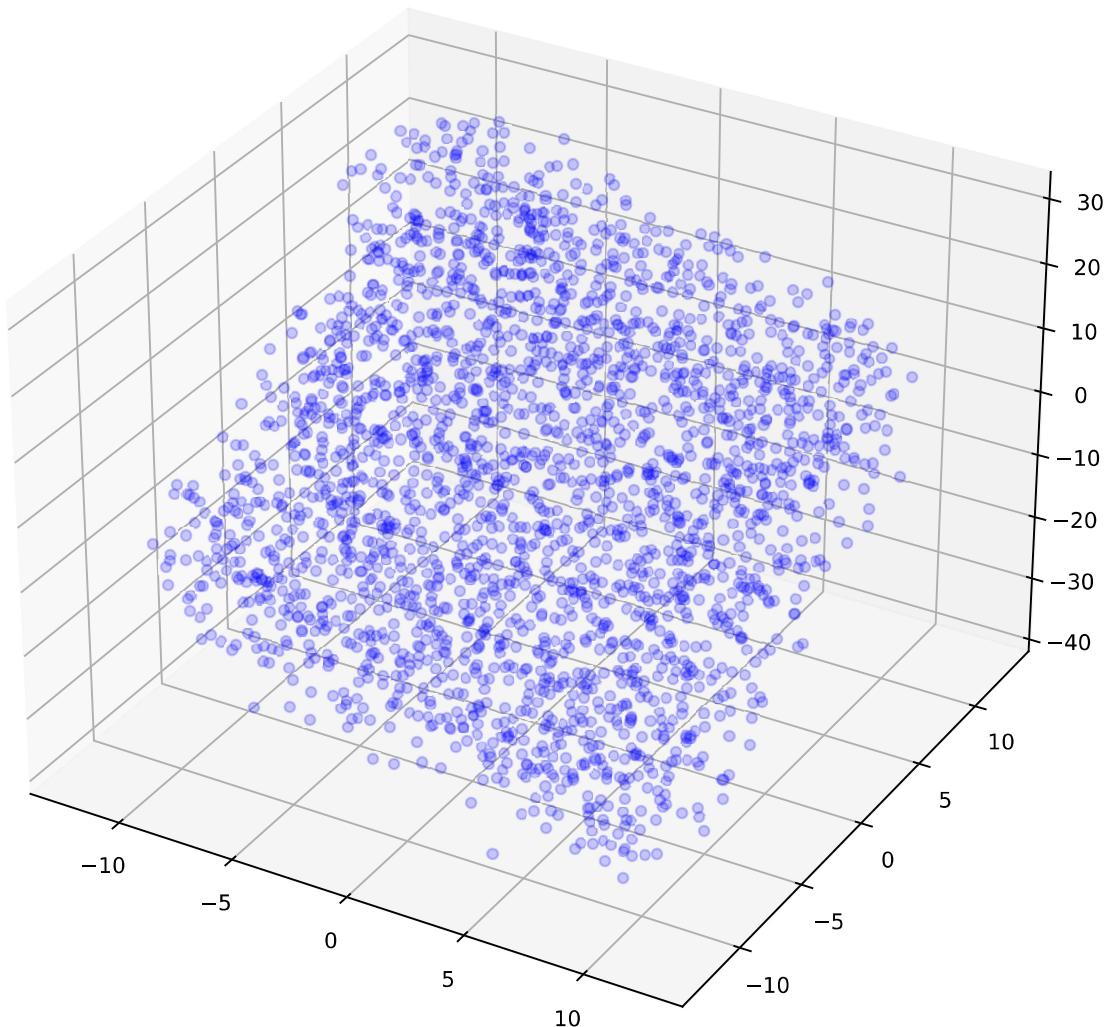
* results

*

01. plot the input data in blue point in 3-dimensional space

```
In [ ]: plot_data(xx, yy, zz)
```

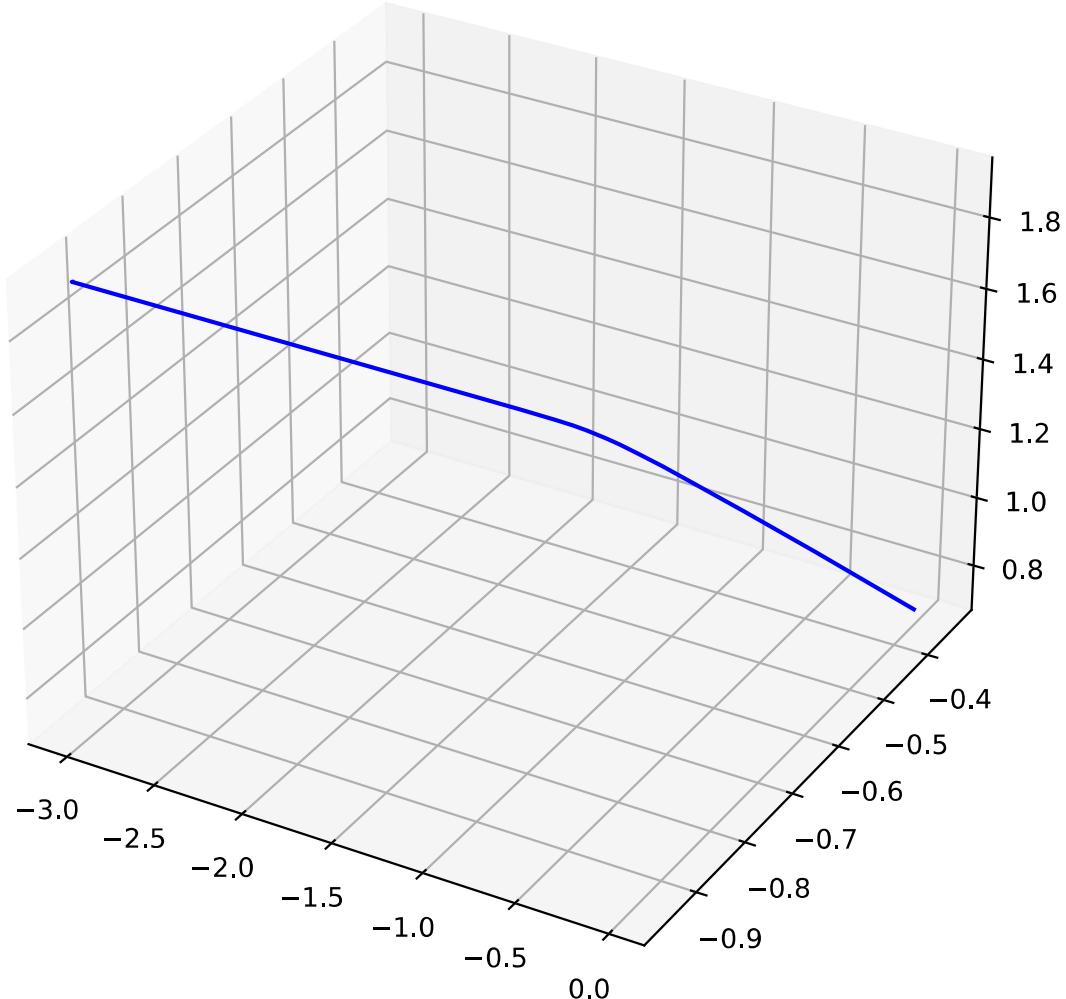
data



02. plot the values of the model parameters θ_0 in red curve, θ_1 in green curve, and θ_2 in blue curve over the gradient descent iterations

```
In [ ]: plot_model_parameter(theta_iteration)
```

```
<ipython-input-12-fb8a3f2d9b7d>:6: MatplotlibDeprecationWarning: Adding an axes using the same arguments as a previous axes currently reuses the earlier instance. In a future version, a new instance will always be created and returned. Meanwhile, this warning can be suppressed, and the future behavior ensured, by passing a unique label to each axes instance.  
.. ax = plt.axes(projection='3d')
```



03. plot the loss values $\mathcal{L}(\theta)$ in red curve over the gradient descent iterations

```
In [ ]: plot_loss_curve(loss_iteration)
```

loss

