

300

200

100

 $\theta$ 

In [326]: x1\_range = np.linspace(df['en\_ghosh'].min(), df['en\_ghosh'].max(), 10)

y\_pred\_mesh = gdr.predict(np.c\_[x1\_mesh.ravel(), x2\_mesh.ravel()])

fig.add\_trace(go.Surface(x=x1\_mesh, y=x2\_mesh, z=y\_pred\_mesh, opacity=0.5))

xaxis\_title='Electronegativity',

x1\_mesh, x2\_mesh = np.meshgrid(x1\_range, x2\_range)

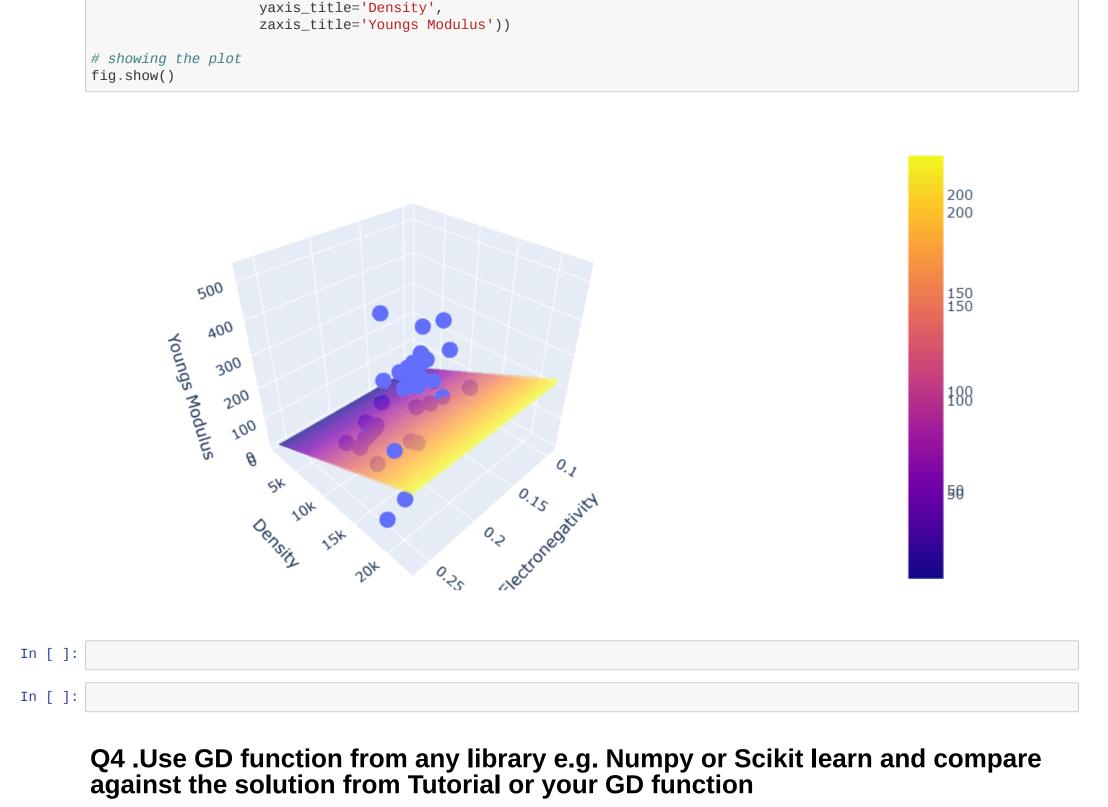
y\_pred\_mesh = y\_pred\_mesh.reshape(x1\_mesh.shape)

# updating the plot layout fig.update\_layout(scene=dict( density\_of\_solid

x2\_range = np.linspace(df['density\_of\_solid'].min(), df['density\_of\_solid'].max(), 10)

Out[298]: (43, 2)

In [299]: y\_young\_M.shape



0.1 0.15

0.25

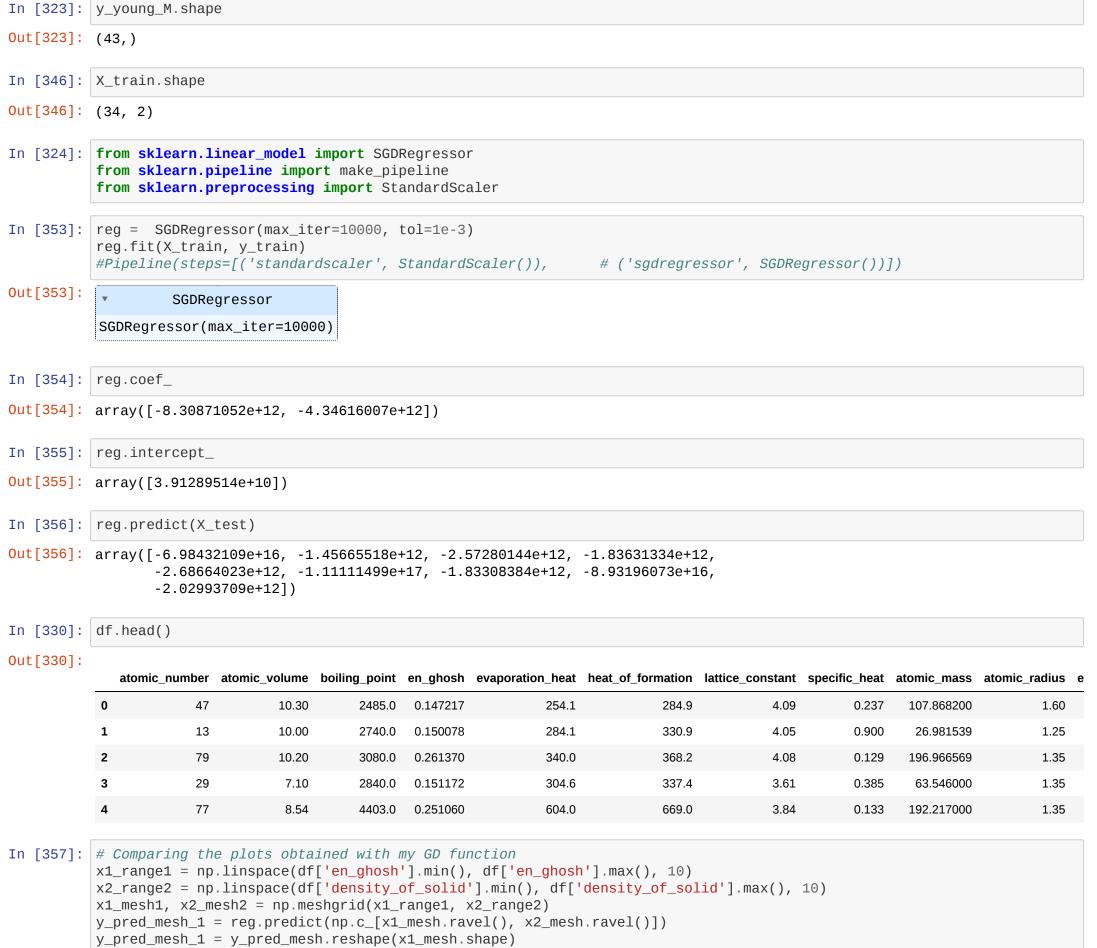


fig.add\_trace(go.Surface(x=x1\_mesh, y=x2\_mesh, z=y\_pred\_mesh\_1, opacity=0.5))

xaxis\_title='Electronegativity',

zaxis\_title='Youngs MOdulus'))

yaxis\_title='Density',

# updating the plot layout fig.update\_layout(scene=dict(

# showing the plot

fig.show()

In [ ]:

In [ ]:

In [ ]:

In [ ]:

