

▼ Mini Project 1: Generating Data for Regression

```
from sklearn.datasets import make_regression
```

```
X, y, z = make_regression (n_samples=1000, n_features=1, coef=True, bias=100, noise = 10, random_state=2529)
```

```
X, y = make_regression (n_samples=1000, n_features=1, coef=False, bias=100, noise = 10, random_state=2529)
```

```
X.shape
```

```
(1000, 1)
```

```
y.shape
```

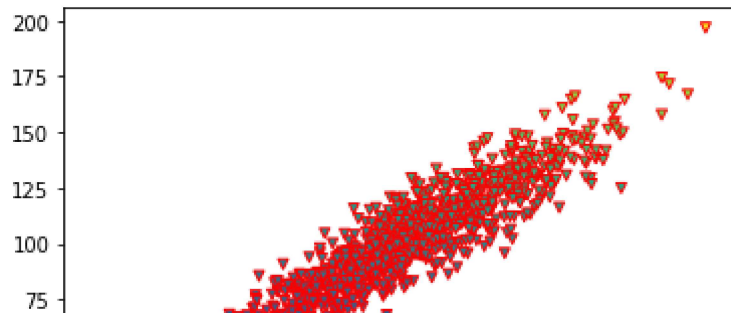
```
(1000,)
```

```
z
```

```
array(24.96405085)
```

```
import matplotlib.pyplot as plt
```

```
plt.scatter(X, y, marker="v", c=y, s=25, edgecolor="r");
```



Link of the same:

[https://colab.research.google.com/drive/1BoMD2XSfl_WP2EP6wFQ6F3sndxk89bFj?
usp=sharing](https://colab.research.google.com/drive/1BoMD2XSfl_WP2EP6wFQ6F3sndxk89bFj?usp=sharing)

