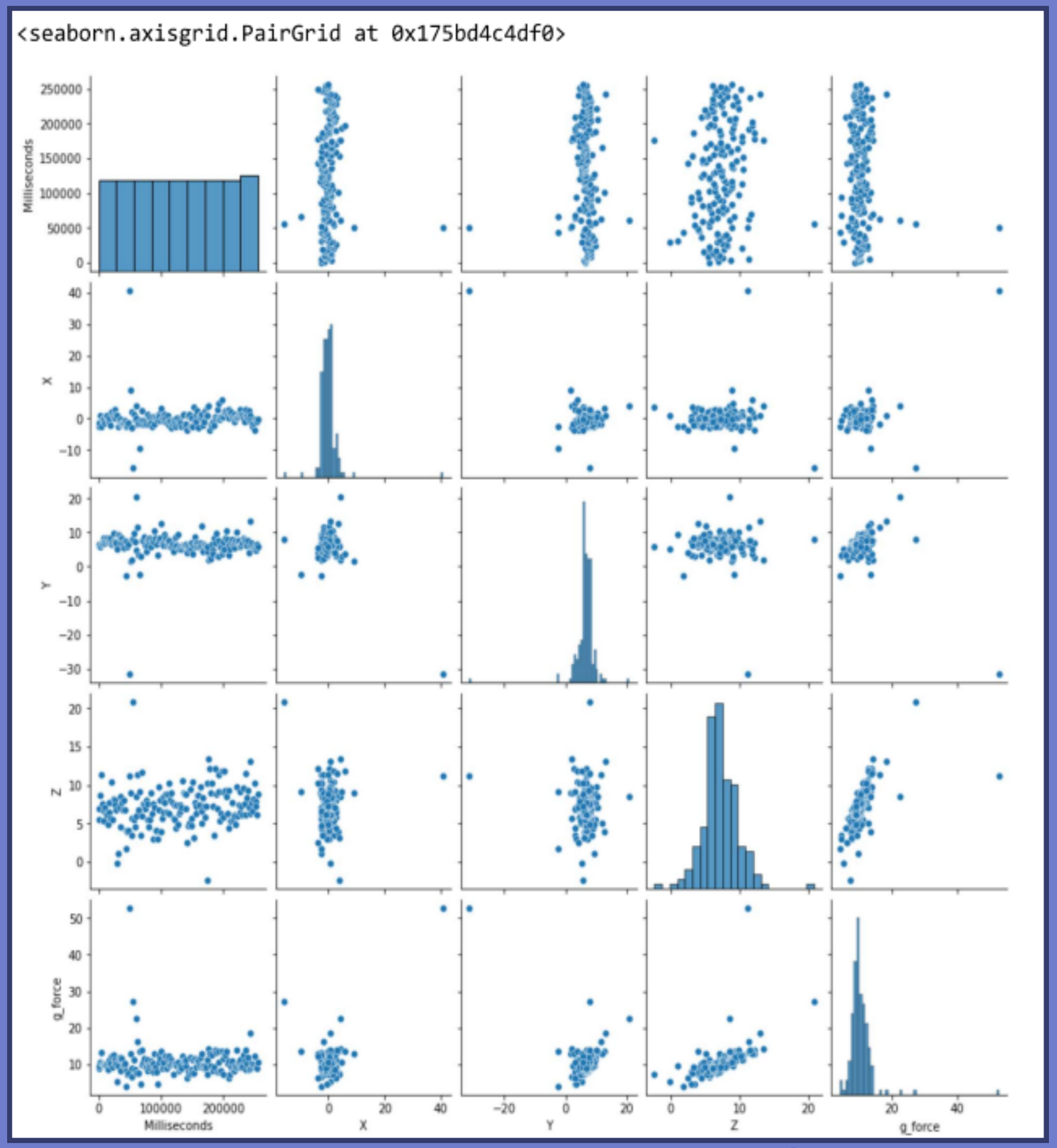
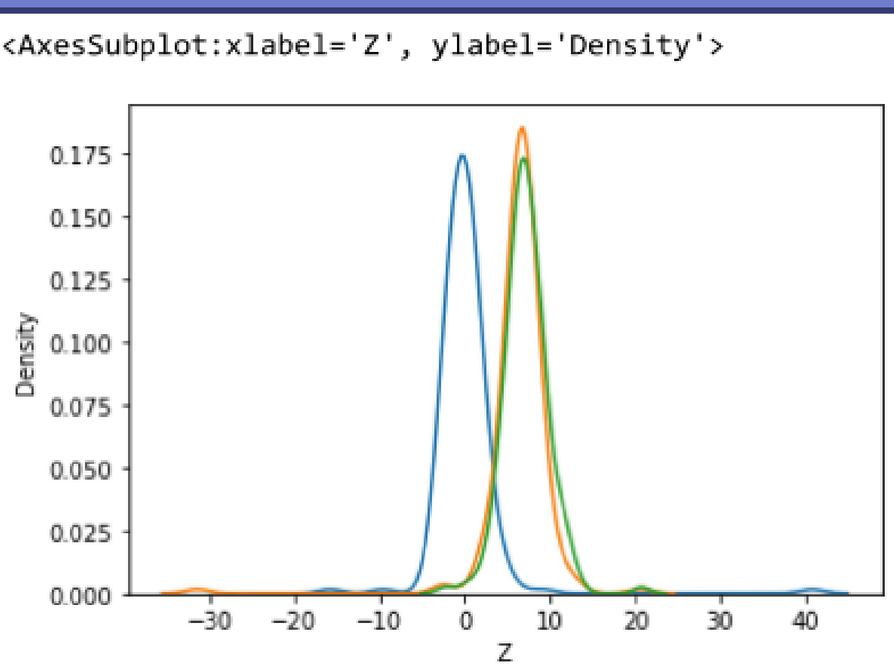


graph between accelerometer values and g-force



distribution of accelerometer values

```
In [79]: from sklearn.ensemble import RandomForestClassifier

In [80]: reg_rand = RandomForestClassifier(n_estimators=100)
         reg_rand.fit(x_train,y_train)

Out[80]: RandomForestClassifier()

In [81]: reg_rand.score(x_test,y_test)

Out[81]: 0.9534883720930233
```