## Why pdf only...

```
| Import torch | Import torch | Import torch | Import torch, nn as nn | Import name as a pd | Import name as np | Import name as np
```

```
| Sclass | pandas.core.frame.DataFrame | Sclass | Data columns (total 42 columns):
| # Column | Kon-Null Count | Count | Count | Count | Column | Colum
```

```
data_without_gig2 = data_encoded.drop(["G1", "G2"], axis=1)

x_data = data_without_gig2_drop("G3", axis=1)
y_data = data_without_gig2_drop("G3", axis=1)
y_data = data_without_gig2["G3"]
x_train, x_test, y_train, y_test = train_test_split(x_data, y_data, test_size=0.2, random_state=42)

Fython

from sklearn_linear_model import LinearRegression
model = LinearRegression()
model.fit(x_train, y_train)

Fython

LinearRegression 

from sklearn_metrics import mean_squared_error, r2_score
y_pred = model.predict(x_test)
make = mean_squared_error(y_test, y_pred)
print(f*RSE: (mse)")
```

```
### NSE: 14.099413060952592
R7: 0.09064236608977039

| Class ANNI(nn.Module):
| def __init__(self):
| super(ANN, self).__init__()
| self.fcl = nn.Linear(39, 128)
| self.fc2 = nn.Linear(128, 64)
| self.fc2 = nn.Linear(128, 64)
| self.fc3 = nn.Linear(44, 1)
| self.relu = nn.RelU()
| def forward(self, x):
| output = self.relu(output)
| output = self.relu(output)
| output = self.relu(output)
| output = self.relu(output)
| output = self.relo(output)
| output = self.fc3(output)
| return output
| return output
```

```
| class ANN(m.Module);
| def _init_(self):
| super(ANN, self),_init_()
| self.fcl = mn.Linear(12, 128)
| self.fc2 = mn.Linear(128, 64)
| self.fc2 = mn.Linear(32, 1)
| self.relu = mn.RelU()
| def forward(self, x):
| output = self.relu(output)
| outp
```