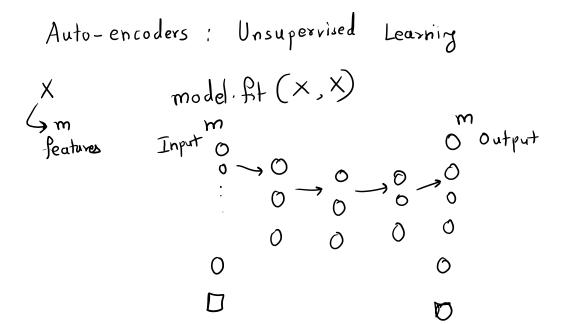
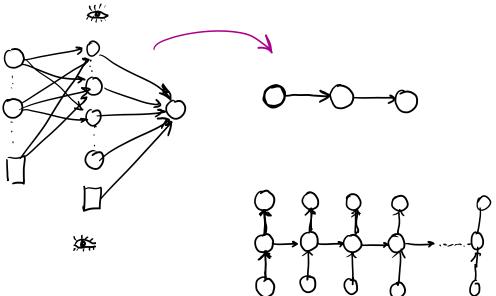
06 January 2023 09:54



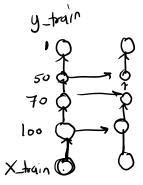
Recurrent Neural Network



```
training_set
X_{train} = []
                                                                          o 1709
y_{train} = []
                                                                            1646
y_train = [] | 0 450
for i in range(timesteps, trn_size):
                                                                          2 1794
    X_train.append(training_set_scaled[i-timesteps:i, 0])
                                                                            1878
    y_train.append(training_set_scaled[i, 0])
                                                                            2173
                                                                         5 2321
X_train, y_train = np.array(X_train), np.array(y_train)
                                                                            2468
                train set [0:10,0]
                                                                            2416
        1=10
                                                                            2184
                1709 1646 1794 1878 2173 2321 2468 2416 2184 2121
                                                                    19629
                                                                            2121
                                                                         1962
```

1709 1646 1794 1878 2173 2321 2468 2416 2184 2121 1962 2121 1962 1962 1962 1751 1646 1794 1878 2173 2321 2468 2416 2184 2121 1962 1825

. .



FRED-NROUST.csv

Timesteps = 5

Test: Last 8 observations

BUNDESBANK-BBK01_WT5511.csv

Timesteps = 5, 10, 3

Test: Last 10 observations