# Types of RNN

## Many to Many when TX = Ty

* Name entity recognition - Tx = Ty
* Speech recognition-

## Many to one

Sentiment Classification

* 1 or 0- positive or negative
* 1 to 5 reviews

Y

X1 X2 X3 X4

One to Many – Music generation – Integer- music to notes

Y1 Y2 Y3 Y4

X1

Many to Many when TX not equal Ty

* Machine Translation - French to english

Y4 Y5

X1 X2