

RED NEURONAL RECURRENTE CON TENSORFLOW

In [1]:

```
import numpy as np
import tensorflow as tf
```

In [2]:

```
numero_entradas= 2
numero_neuronas = 3
```

In [3]:

```
x0 = tf.placeholder(tf.float32, [None, numero_entradas])
x1 = tf.placeholder(tf.float32, [None, numero_entradas])
```

In [16]:

```
Wx = tf.variable( tf.random_normal(shape=[numero_entradas,numero_neuronas]))
Wy = tf.variable( tf.random_normal(shape=[numero_entradas,numero_neuronas]))
b = tf.Variable( tf.zeros([1,numero_neuronas]))
```

```
-----
AttributeError                                Traceback (most recent call last)
<ipython-input-16-1868c0b96a03> in <module>
----> 1 Wx = tf.variable( tf.random_normal(shape=[numero_entradas,numero_neuronas]))
      2 Wy = tf.variable( tf.random_normal(shape=[numero_entradas,numero_neuronas]))
      3 b = tf.Variable( tf.zeros([1,numero_neuronas]))

~\anaconda3\envs\pruebasTensorflow\lib\site-packages\tensorflow_core\python\util\module_wrapper.py
in __getattr__(self, name)
    191     def __getattr__(self, name):
    192         try:
--> 193             attr = getattr(self._tfmw_wrapped_module, name)
    194         except AttributeError:
    195             if not self._tfmw_public_apis:
```

AttributeError: module 'tensorflow' has no attribute 'variable'

In []:

In []:

In []:

In []:

In [14]:

```
y0 = tf.tanh(tf.matmul(x0, Wx) + b)
y0 = tf.tanh(tf.matmul(x0, Wx) + b)
```

```
-----
NameError                                Traceback (most recent call last)
<ipython-input-14-616f9738abbd> in <module>
----> 1 y0 = tf.tanh(tf.matmul(x0, Wx) + b)
```

NameError: name 'Wx' is not defined

In []:

In []: