## 

(Inference in code) (Tensorflow)

ex) Roasted coffee is good tasting coffee? (classification)

teatures: temperature, duration

$$\frac{1}{2}$$
 $\frac{1}{2}$ 
 $\frac{1$ 

(code)

2 = np. array ([[200.0, 17.0]]) - 1×2 matrix

layer-1 = Dense (wits = 3. activation = sigmoid')

ai = layer\_1(a)

(x3 matrix (eg [[0.2, 0.11, 0.3]])

H. Tensor ([[0.2 0.11 0.3]], shape = (13), type=float 32)

layer\_2 = Dense (Units=1, activation='signoid')

a2 = layer\_2(a1)

1 1 matrix (e.g. [[0.8]])

H. Tensor ([[0.8]], shape = (1,1), dipe=float32)

instead of manually setting Dense layer

model = Sequential ([

Dense (units = 3, activation = 'sigmoid')

Dense (units = 1, activation= 'sigmoid')])