Reloaded modules: Neural\_Network.brain, Neural\_Network.text\_preprocessing, Features.csv\_writer, task, Features.listen, Features.speak, Features.alarm, Features.weather, Features.wishme, Features.wolfram

A.I : Good Morning sir, What can I do for you ?

Good Morning sir, What can I do for you ?

Listening...

Recognizing...

U said: how are you

['you']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[7.3150e-20, 9.9999e-01, 7.0753e-19, 1.8614e-10, 1.1817e-19, 2.1899e-09,

1.4922e-16, 1.4288e-14, 1.0935e-10, 9.1852e-07, 1.0793e-07, 1.9985e-06,

5.0689e-06, 2.0991e-11, 1.3219e-10, 9.9212e-43, 1.3312e-42, 1.4579e-21,

7.1206e-32, 1.7252e-31, 1.3611e-12, 9.6806e-27, 9.8089e-12]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(1.0000, grad\_fn=<SelectBackward>)

Watching a movie, what about you ?

A.I : Watching a movie, what about you ?

Listening...

Recognizing...

U said: fine

['fine']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[1.0837e-23, 2.2002e-08, 9.4084e-09, 1.9078e-21, 5.1775e-08, 1.5443e-04,

1.9235e-25, 1.4917e-08, 9.9977e-01, 2.0280e-15, 7.4784e-05, 2.1582e-06,

7.4383e-14, 1.2910e-07, 2.3349e-22, 1.5098e-12, 6.4159e-21, 1.1210e-44,

0.0000e+00, 0.0000e+00, 4.8074e-11, 0.0000e+00, 1.4421e-13]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(0.9998, grad\_fn=<SelectBackward>)

Yeah, That's a relief

A.I : Yeah, That's a relief

Listening...

Recognizing...

U said: tell me a joke

['joke']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[1.0419e-39, 3.0210e-11, 1.3854e-14, 1.5441e-07, 1.1446e-07, 3.6598e-11,

1.0535e-23, 1.8012e-07, 1.2431e-18, 1.9196e-13, 2.7240e-06, 1.0000e+00,

2.5466e-13, 2.2900e-33, 1.1352e-32, 6.3386e-39, 1.2106e-28, 2.7835e-30,

0.0000e+00, 0.0000e+00, 8.6438e-08, 0.0000e+00, 9.2113e-18]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(1.0000, grad\_fn=<SelectBackward>)

joke

A.I : Finding a good PHP developer is like looking for a needle in a haystack. Or is it a hackstack in a needle?

Listening...

Recognizing...

U said: what's time now

['what', "'s", 'time']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[1.6945e-15, 5.7240e-16, 4.2039e-45, 1.6325e-42, 1.3868e-38, 1.2727e-15,

3.3771e-27, 0.0000e+00, 1.7721e-32, 3.7311e-05, 1.0529e-19, 1.1953e-20,

1.7639e-09, 1.5554e-43, 0.0000e+00, 0.0000e+00, 0.0000e+00, 5.7138e-12,

1.9890e-16, 9.9996e-01, 3.5815e-15, 2.8750e-06, 7.1363e-09]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(1.0000, grad\_fn=<SelectBackward>)

Current time is

A.I : 11: 26

Listening...

Recognizing...

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_This one is wrong output\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Problem – the output is correct but the point is “ ’s” should also be ignored

Solution – add “ ‘s ” to ignore\_words list in the text\_preprocessing file

U said: what is today's date

['what', 'today', "'s", 'date']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[9.9405e-16, 1.7097e-06, 1.7788e-34, 2.7684e-32, 4.3719e-32, 2.5789e-11,

9.9999e-01, 9.2371e-32, 2.8409e-21, 8.1706e-09, 1.4795e-16, 2.1494e-09,

8.3617e-17, 3.3374e-14, 6.7535e-06, 0.0000e+00, 0.0000e+00, 1.6794e-33,

0.0000e+00, 0.0000e+00, 2.7881e-23, 2.9910e-39, 8.2409e-23]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(1.0000, grad\_fn=<SelectBackward>)

date

A.I : 2021-12-11

Listening...

Recognizing...

U said: which day is today

['which', 'day', 'today']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[4.0638e-44, 1.9742e-16, 2.5013e-10, 6.6136e-14, 8.5771e-13, 4.8576e-18,

2.1281e-32, 1.0000e+00, 3.5689e-16, 4.0299e-24, 2.3844e-14, 1.0158e-09,

7.3389e-21, 2.4365e-22, 2.5015e-25, 6.3473e-23, 3.5532e-29, 6.4883e-41,

0.0000e+00, 0.0000e+00, 3.7128e-18, 0.0000e+00, 4.5558e-25]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(1., grad\_fn=<SelectBackward>)

day

A.I : Saturday

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_This one is wrong output\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Problem – alarm word not recognised

Solution:- check for the alarm intents, improve it, re-train the model

(possibly it is getting biased on the you word so we have to either ignore it or do something to decrease their priority)

Listening...

Recognizing...

U said: can you set an alarm

['you', 'set', 'alarm']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[0.0000e+00, 7.8080e-13, 7.9537e-10, 7.2811e-31, 5.3867e-04, 2.5520e-03,

0.0000e+00, 4.1388e-11, 7.0817e-02, 2.3341e-22, 7.2742e-01, 1.9867e-01,

5.2919e-19, 1.5198e-24, 0.0000e+00, 1.9925e-24, 1.6240e-28, 0.0000e+00,

0.0000e+00, 0.0000e+00, 1.4819e-09, 0.0000e+00, 4.2551e-19]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(0.7274, grad\_fn=<SelectBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Final\_reply\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Here's your assistant

Listening...

Recognizing...

A.I : Couldn't understand, say that again please!

Listening...

Recognizing...

U said: can you tell me my weather

['you', 'weather']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_This one is wrong output\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Problem – weather word not recognised

Solution:- check for the weather intents, improve it, re-train the model

(possibly it is getting biased on the you word so we have to either ignore it or do something to decrease their priority)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[9.6302e-10, 8.1058e-01, 3.9258e-34, 2.6274e-24, 3.8361e-33, 8.1775e-11,

1.6558e-13, 7.8174e-41, 1.0596e-17, 1.8764e-01, 1.2330e-12, 1.4852e-12,

9.0945e-04, 2.5961e-15, 3.1240e-15, 0.0000e+00, 0.0000e+00, 1.6059e-13,

2.0548e-25, 2.3810e-08, 4.9952e-16, 8.6912e-04, 4.5112e-09]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(0.8106, grad\_fn=<SelectBackward>)

just, analyzing the data ,what about you ?

A.I : just, analyzing the data ,what about you ?

Listening...

Recognizing...

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_This one is wrong output\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Problem – here it is running because there is no “you in it”

Solution:- check for the wea intents, improve it, re-train the model

(possibly it is getting biased on the you word so we have to either ignore it or do something to decrease their priority)

U said: what's weather of akot

['what', "'s", 'weather', 'akot']

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_probs\_\_\_\_\_\_\_\_\_

tensor([[2.9847e-07, 8.6527e-13, 2.7174e-40, 1.3452e-43, 4.1353e-40, 3.2455e-15,

1.1618e-17, 0.0000e+00, 3.6253e-24, 3.8605e-08, 6.7677e-22, 1.1070e-22,

9.0061e-13, 1.3463e-21, 1.0936e-27, 0.0000e+00, 0.0000e+00, 1.2726e-18,

1.4753e-25, 4.3184e-07, 2.9639e-22, 1.0000e+00, 4.1241e-13]],

grad\_fn=<SoftmaxBackward>)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_prob\_\_\_\_\_\_\_\_\_

tensor(1.0000, grad\_fn=<SelectBackward>)

weather

A.I : weather of your current location is :

A.I : weather type Haze

A.I : Temperature: 24.99degree celcius

A.I : Do you want to listen more in detail?

Listening...

Recognizing...

U said: yes

A.I : Wind speed is 2.06 metre per second

A.I : Humidity is 41