

Chatbot (Apple Disease Classification)

MODEL_NLTK Conv 1

Start talking with Botnita Applebum (type quit to stop)!

You: Hello

Good to see you again!

You: How are you

Hello!

You: What can you tell me about the batch

The batch has been rated as {Class}.

You: How has the batch been classified

The batch contains {scabApple} apples with scabs, this is {scabPercentage}% of the batch.

You: What class is the batch?

The batch contains {} apples.

You: What is the quality of the batch

This is a {Class} batch.

You: What is the classification of the batch

The batch contains {} apples.

You: scabbed apples in batch

The batch contains {scabApple} apples with scabs, this is {scabPercentage}% of the batch.

You: is there an apple with scabs?

The batch has been rated as {Class}.

You: how many rotten apples

There are {} rotten apples in this batch

You: any apples with rot?

Rot can be found in {} apples in the batch.

You: Rotten apples in the batch?

Rot can be found in {} apples in the batch.

You: how many defected apples

The batch has been rejected.

You: any apples with defect

There are {} normal apples in this batch

You: healthy apples in the batch

The batch contains {appleScore} healthy apples, this is {healthyPercentage}% of the total batch.

You: scab apples in the batch

...

You: no answer?

Hello!

You: why aren't you answering my questions?

I'm Bonita Applebum, apples turn me on!

You: Nice

Hi there, how can I help?

You: what is the class of the complete batch

The batch contains {} apples.

You: scab apples in the batch

The batch contains {scabApple} apples with scabs, this is {scabPercentage}% of the batch.

You: any rejected apples

With {rotApple} rotten, {blotchApple} blotched and {scabApple} scabbed apples,
a total of {rejectedPercentage}% damage makes the batch completely unsuitable.

COMMENTS

Question

Excellent answer

Acceptable answer

Wrong answer

Chatbot (Apple Disease Classification)

MODEL_NLTKConv 2

Start talking with Botnita Applebum (type quit to stop)!

You: Hi!

Good to see you again!

You: How are you?

Hello!

You: Yes, hi. How are you today?

Hi there, how can I help?

You: Okay, what can you tell me about the checked batch?

Bum bum, Bonita Applebum

You: Allright, miss Applebum. What class is the batch?

The batch was classified as "{{ClassOne}}".

You: Thanks. How many defected apples were detected?

The batch contains {} apples.

You: Sure, but how many apples where not up to standard?

Hi there, how can I help?

You: By answering my questions.

Goodbye!

You: That's rude. Are there any bad apples in the batch?

This batch has been classified as {classOne}.

You: As you've already told me.

Good to see you again!

You: Cheers

Bum bum, Bonita Applebum

You: Bonita, please tell me how many rotten apples were found

Rot can be found in {} apples in the batch.

You: Thanks

An apple a day, keeps the doctor away

You: Good to know

Hi there, how can I help?

You: How many apples with scab were detected?

The batch contains {scabApple} apples with scabs, this is {scabPercentage}% of the batch.

You: And how many with blotch?

The batch contains {blotchApple} apples with blotch, this is {blotchPercentage}% of the batch.

You: So how many rejected apples in total?

With {rotApple} rotten, {blotchApple} blotched and {scabApple} scabbed apples, a total of {rejectedPercentage}% damage makes the batch completely unsuitable.

COMMENTS

Question

Excellent answer

Acceptable answer

Wrong answer

Chatbot (Apple Disease Classification)

MODEL_NLTK Conv 3

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Start talking with Botnita Applebum (type quit to stop)!
You: Hello
Hello!
You: What can you tell me about the batch?
The batch has been rated as Class 2.
You: Okay, how many healthy apples does it contain?
Blotch was found on 1.25% of the batch.
You: And how many normal apples?
There are 75 normal apples in this batch
You: And rotnern [sic]?
I'm yum yum, Bonita Applebum
You: rotten
The batch consisted of 80 apples in total.
You: how many rotten apples?
Rot can be found in 1 apples in the batch.
You: how many scabbed apples are in the batch?
The batch contains 3 apples with scabs, this is 2.5% of the batch.
You: What is the classification
The batch contains 80 apples.
You: what is the classification
The batch was classified as Class 1.
You: what classification?
I'm yum yum, Bonita Applebum
You: hi
Hi there, how can I help?
You: Help
The batch has been rated as Class 2.  <<
```

Question

Excellent answer

Acceptable answer

Wrong answer

Chatbot (Apple Disease Classification)

MODEL_NLTK Conv 4

```
Start talking with Botnita Applebum (type quit to stop)!
You: hi
Good to see you again! What is your question?
You: how many normal apples
The healthy percentage is 93.5.
You: normal
There are 1 blotch apples in this batch
You: blotch
The batch contains 1 apples with rot, this is 1.25% of the batch.
You: scab
The batch contains 8 apples with scabs, this is 2.5% of the batch.
You: scab
Scabs were found on 2.5% of the batch.
You: scab
The batch contains 8 apples with scabs, this is 2.5% of the batch.
You: normal apples
The batch contains 1 apples with blotch, this is 1.25% of the batch.
```

COMMENTS

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# Pattern & responses == same for blotch and healthy/normal
# Pattern & responses == same for blotch and rot
```

Chatbot (Apple Disease Classification)

MODEL_NLTK Conv 5

Start talking with Botnita Applebum.

Ask here anything about apples.

(type quit to stop)

You: how are you?

I'm Bonita Applebum, apples turn me on! What would you lie to know about the batch?

You: how many normal apple

The batch contains 75 healthy apples, this is 93.5% of the total batch.

You: how many apples with blotch?

Blotch was found on 1.25% of the batch.

You: how many happy apples # test

There are 75 normal apples in this batch

You: happy? # test

The batch contains 75 healthy apples, this is 93.5% of the total batch.

You: blotch?

There are 1 blotch apples in this batch

You: normal apple amount

In 1 apples rot was found in this batch

You: class of the batch?

This is a Class 3 batch.

You: classification of the batch?

This is a Class 3 batch.

You: what quality?

This batch has been classified as Class 3.

You: What is the quality of the batch?

This batch has been classified as Rejected.

You: How many rejected?

With 1 rotten, 1 blotched and 3 scabbed apples, a total of 5% damage

makes the batch completely unsuitable for consumption or further processing.

You: How many healthy apples?

In this batch exactly 1 apples with rot were detected.

You: Amount healthy apple

In this batch exactly 1 apples with rot were detected.

You: Rot in how many apples?

In 1 apples rot was found in this batch

You: Blotched, rotten and scabbed apples amount to which percentage?

The batch contains 5 apples with happy, this is -4% of the batch. # test

You: percentage

The batch has been rejected.

You: detected normal apples?

In 1 apples rot was found in this batch

COMMENTS

Question

Excellent answer

Acceptable answer

Wrong answer