

Spam Detection powered by OpenAI

Creating a ML Engine

```
CREATE ML_ENGINE demo_openai_engine  
FROM openai  
USING  
  api_key = 'Your OpenAI API Key here';
```

Creating a Model

```
CREATE MODEL openai_spam_detector  
PREDICT type  
USING  
  engine = 'demo_openai_engine',  
  prompt_template = 'Determine and Label the given text as  
  "SPAM" or "HAM".  
  "You have won 12 crore lottery. Click here to claim" : SPAM  
  "The team scrum call has been shifted to 8PM today. Kindly join  
  on time." : HAM  
  "{{text}}" : ';
```

Checking Model Status

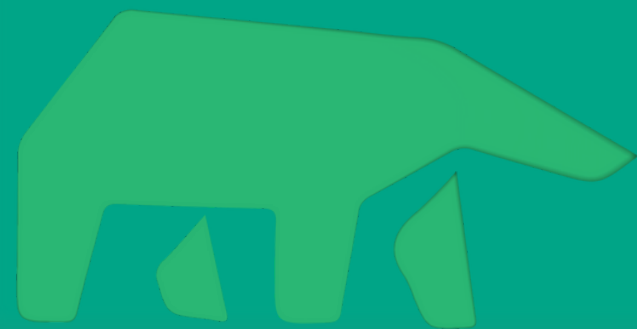
```
SELECT status  
FROM models WHERE name =  
'openai_spam_detector';
```

Dropping the Model

```
Drop Model openai_spam_detector;
```

Querying the Model

```
SELECT text, type  
FROM openai_spam_detector  
WHERE text = 'Our records show you overpaid for (a product or service). Kindly  
supply your bank routing and account number to receive your refund.';
```



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Spam Detection powered by HuggingFace

Creating a Model

```
CREATE MODEL hf_spam_detector  
PREDICT type  
USING  
engine = 'huggingface',  
model_name = 'mariagrandury/roberta-base-finetuned-  
sms-spam-detection',  
input_column = 'text',  
labels = ['HAM','SPAM'];
```

Checking Model Status

```
SELECT status FROM models WHERE name =  
'hf_spam_detector';
```

Querying the Model

```
SELECT text, type  
FROM hf_spam_detector  
WHERE text = "Click here and claim 1 million in 1 minute."
```

Dropping the Model

```
DROP MODEL hf_spam_detector;
```



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