

# From POC to Prod

EPF - P2023

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# From POC to Prod - Lab1

- In this lab we will construct a model to automatically tag stackoverflow.com questions by using their title

The screenshot shows a Stack Overflow question titled "Python list function or list comprehension". The title is enclosed in a blue box, and a blue arrow labeled "Input" points to it. Below the title, the question text is: "Can anybody please explain to me the difference between these two ways of creating a list. Are they the same thing ? If not which one should I use ?". The question has 12 votes and 1 answer. The answer contains two code snippets: `squares1 = [x**2 for x in range(1, 11)]` and `squares2 = list(x**2 for x in range(1, 11))`. Below the answer, there are two tags: "python" and "python-3.x", both enclosed in blue boxes. A blue arrow labeled "Output" points to the "python" tag. At the bottom right, there is a user profile for "Oppac" with a score of 135 and 7 answers.

Python list function or list comprehension ← **Input**

Asked 3 years, 3 months ago Active 3 years, 3 months ago Viewed 5k times

Can anybody please explain to me the difference between these two ways of creating a list. Are they the same thing ? If not which one should I use ?

12

```
squares1 = [x**2 for x in range(1, 11)]
squares2 = list(x**2 for x in range(1, 11))
```

1

python python-3.x

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**Output**

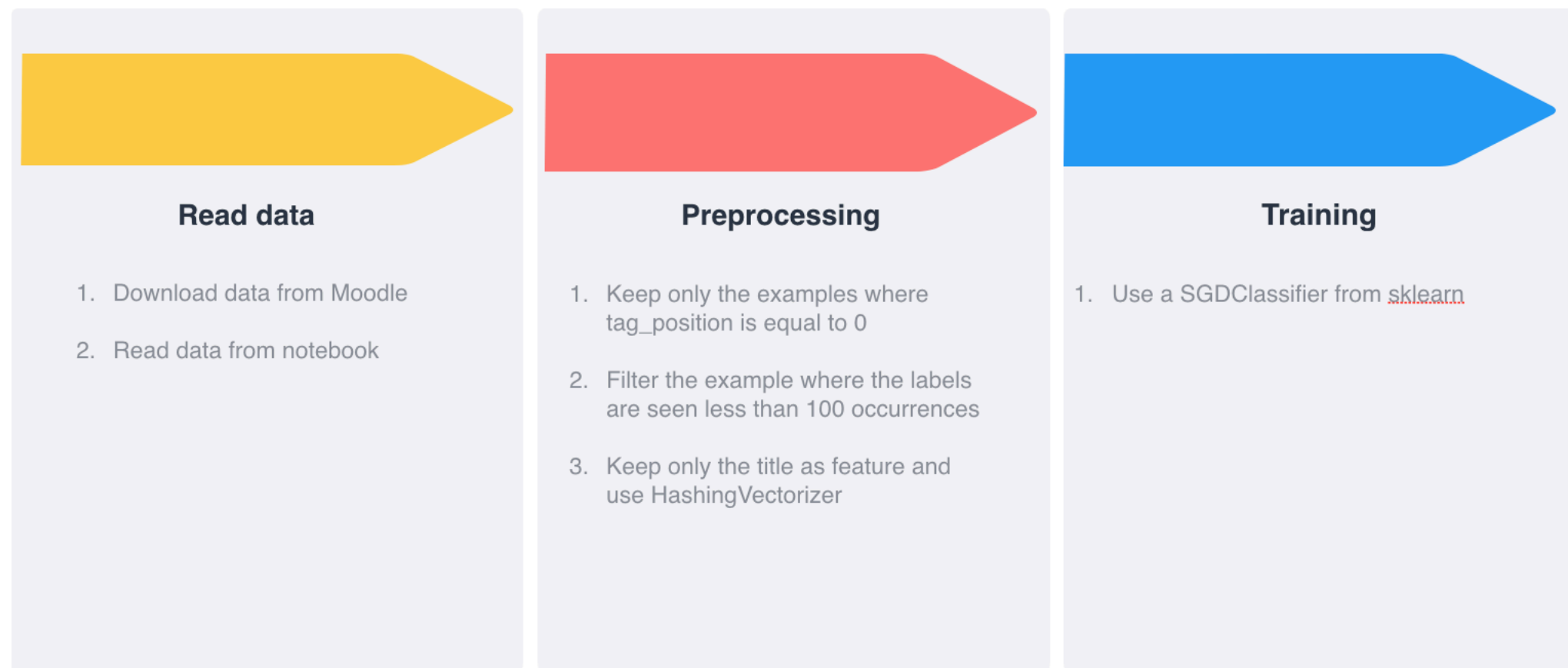
asked Aug 15 '18 at 15:16

Oppac  
135 ● 1 ● 7

- This is a multi-class classification task

# From POC to Prod - Lab1

- First approach: use scikitlearn's SGDClassifier combined with a HashingVectorizer to transform the input



# From POC to Prod - Lab1

- Second approach: use Keras sequential model combined with a pre-trained BERT model to embed the input

