

train_examples

December 5, 2021

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[ ]: import os
import sys
from tensorflow.python.lib.io import file_io
from pickle import Unpickler
import numpy as np
from matplotlib import pyplot as plt
import numpy as np

def load_z_s(number):
    path = os.path.join(os.path.dirname(os.getcwd()), f'data/temp/
↪checkpoint_{number}.pth.tar.examples')
    train_examples_history = []
    if not os.path.isfile(path):
        print(f'File "{path}" with trainExamples not found!')
        r = input("Continue? [y|n]")
        if r != "y":
            sys.exit()
    else:
        print("File with trainExamples found. Loading it...")
        with file_io.FileIO(path, "rb") as f:
            train_examples_history = Unpickler(f).load()
        print('Loading done!')
    z_s = []
    for game in train_examples_history:
        for experience in game:
            z = experience[2]
            z_s.append(z)
    return z_s

def hist(z_s):
    plt.hist(z_s, bins = [-1/2, -1/3, -1/6, -1e-08, 1e-08, 1/6, 1/3, 1/2],
↪density=False)
    plt.title("histogram")
    plt.show()

z_s_17 = load_z_s(17)
```

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print(np.median(z_s_17))  
print(np.mean(z_s_17))
```

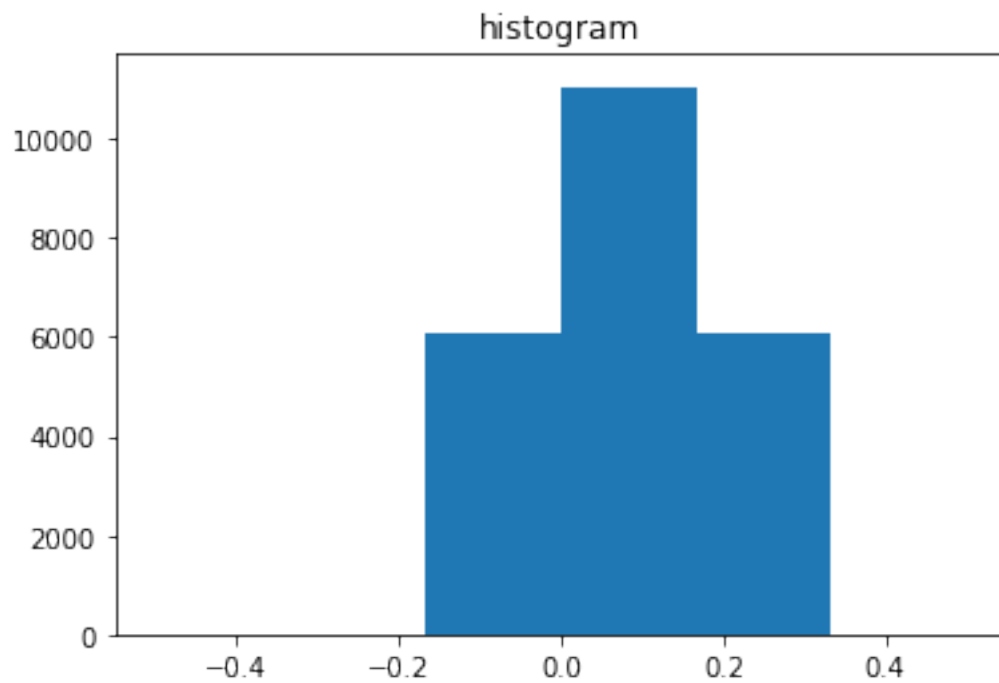
File with trainExamples found. Loading it...

Loading done!

-1e-08

4.84464730732711e-06

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[ ]: hist(z_s_17)
```



```
[ ]: z_s_27 = load_z_s(27)  
hist(z_s_27)
```

File with trainExamples found. Loading it...

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