

9.12.2020

June 9, 2021

1 PYTHON MODULE

1.1 Exercise 1

Determine the output of the three following blocks of Python code. Justify your answer with a short explanation.

```
[ ]: for undici in range(10,16):  
    if undici % 3 == 0 and undici % 5 == 0:  
        print("undici")  
        continue  
    elif undici % 3 == 0:  
        print("un")  
        continue  
    elif undici % 5 == 0:  
        print("dici")  
        continue  
    print(undici)
```

```
[ ]: nato_list = ['Alpha', 'Bravo', 'Charlie', 'Delta', 'Echo', 'Foxtrot']  
sel_list = [x.upper() if len(x) % 2 != 0 else x.lower() for x in nato_list if  
↳ "a" in x]  
print(sel_list)
```

```
[ ]: some_list = [1, 2.0, 'dog']  
other_list = [1]  
new_list = other_list + [2.0, 'dog']  
print(new_list == some_list, new_list is some_list, sep=' ')
```

1.2 Exercise 2

Explain what nested cross validation is used for, and describe how it works.