

Write a python script using for/if statements

Goal: To pull out the gene name that has a p.value less than 0.05.

Break this down into a series of steps:

1. figure out whether you can use an if statement to evaluate true/false correctly.

i.e. I would index gene\_table and store the row where the gene actually has a value less than 0.05 as a variable. I would then build an if statement to see if I could accurately assess whether I could isolate that value and return true if it is less than 0.05. Here is how I would solve step 1, feel free to use it.

```
gene_table = [['gene', 'p.value'], ['a1bg', 0.25], ['bbx', 0.06], ['creb1', 0.04]]
sample_row = gene_table[3]
if sample_row[-1] < 0.05:
    print('yes')
else:
    print('no')
```

2. put your if statement into a for loop that iterates through all of the rows in the table

3. change your if statement so that if it evaluates true, it prints the gene name. If false, it returns nothing.