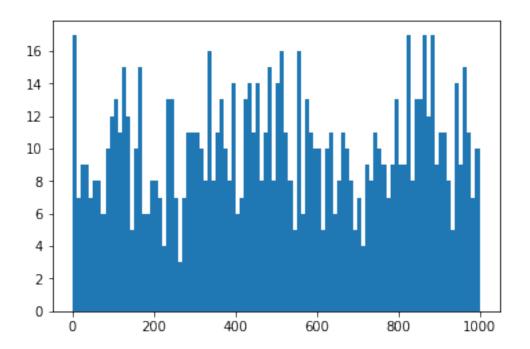
February 20, 2020

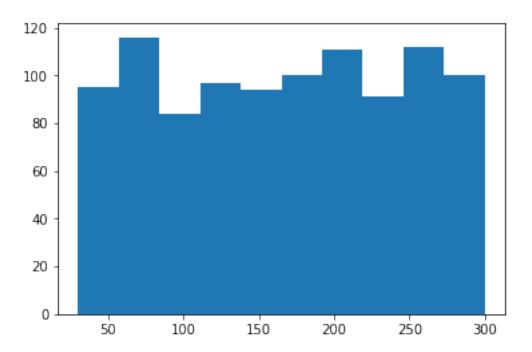
```
In [1]: import matplotlib.pyplot as plt
        import pandas
        import numpy as np
In [2]: f = open("f_libraries_of_the_world.txt", "r")
In [3]: b, l, d = map(int, f.readline().split())
In [4]: book_scores = map(int, f.readline().split())
In [5]: lib_books_count = []
        lib_days_signup = []
        lib_speed = []
In [6]: book_count_in_libs = dict()
In [7]: # for bb in range(b):
            book\_count\_in\_libs[bb] = 0
In [8]: for i in range(1):
            n, t, m = map(int, f.readline().split())
            lib_books_count.append(n)
            lib_days_signup.append(t)
            lib_speed.append(m)
            books = map(int, f.readline().split())
            for book in books:
                if book not in book_count_in_libs:
                    book_count_in_libs[book] = 0
                book_count_in_libs[book] += 1
In [9]: books_counts = book_count_in_libs.values()
In [10]: print("Books", b)
        print("Libraries", 1)
        print("Days", d)
```

```
('Books', 100000)
('Libraries', 1000)
('Days', 700)
```

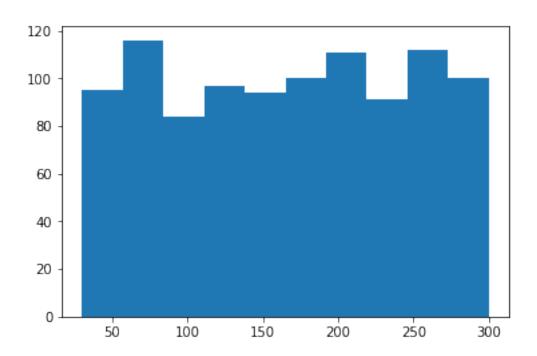
Books per library stats



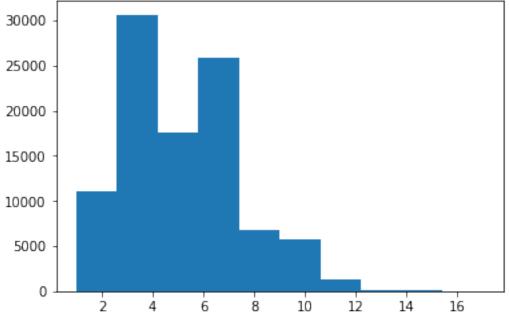
Signup duration stats



Speed stats



(5.122876540105607, 1, 17, 2.225763646482441)



In []:

In []: