In [1]:
```
1 import numpy as np
```

In [3]:
```
1 taxi = np.genfromtxt('nyc_taxis.csv', delimiter =',', skip_header = True)
```

In [ ]:
```
1
```

In [5]:
```
1 #mean speed of all the cab rides
```

In [7]:
```
1 speed = taxi[:, 7]/(taxi[:, 8]/3600)
```

In [9]:
```
1 mean_speed = speed.mean()
2 print(mean_speed)
```

```
32.24258580925573
```

In [ ]:
```
1
```

In [10]:
```
1 #the number of rides thaken in the month of february.
```

In [13]:
```
1 rides_feb = taxi[taxi[:, 1] == 2, 1]
2 print(rides_feb.shape[0])
```

```
13333
```

In [ ]:
```
1
```

In [14]:
```
1 #the number of rides with a tip greater than 50dollers
```

In [15]:
```
1 print(taxi[taxi[:, -3] > 50, -3].shape[0])
```

```
16
```

In [ ]:
```
1
```

In [16]:
```
1 #the number of rides where drop was JFK airport
```

In [18]:
```
1 print(taxi[taxi[:, 6] == 2,6].shape[0])
```

```
11832
```

In [ ]:
```
1
```