

StayPointsStats

gunjan kumar

10 June 2016

Total num of stay points:

```
## count(*)
## 1 14373
```

Introduction:

Each user has many trajIDs, each TrajID has many stay points

Raw data is shown for 10 staypoints below. Each row represents one stay point

UserID	TrajID	NumOfStayPoints	NumOfDataPoints	AvgLat	AvgLon	AvgAlt	AvgDistOfPo
0	000-20081023025304	1	185	40.00864	116.3210	139.81081	
0	000-20081023025304	1	164	40.00773	116.3193	1314.21019	
0	000-20081023025304	1	28	40.00888	116.3221	285.45833	
0	000-20081024020959	1	173	40.00886	116.3223	125.00000	
0	000-20081028003826	1	291	40.01151	116.2969	154.30584	
0	000-20081103232153	1	458	40.01121	116.2969	81.69956	
0	000-20081103232153	1	247	40.00687	116.2968	73.05263	
0	000-20081103232153	1	136	40.01094	116.2971	134.11765	
0	000-20081110013637	1	11	39.97422	116.3322	290.27273	
0	000-20081111001704	1	323	40.01131	116.2968	113.09288	

(Note: total num of user in dataset = 182)

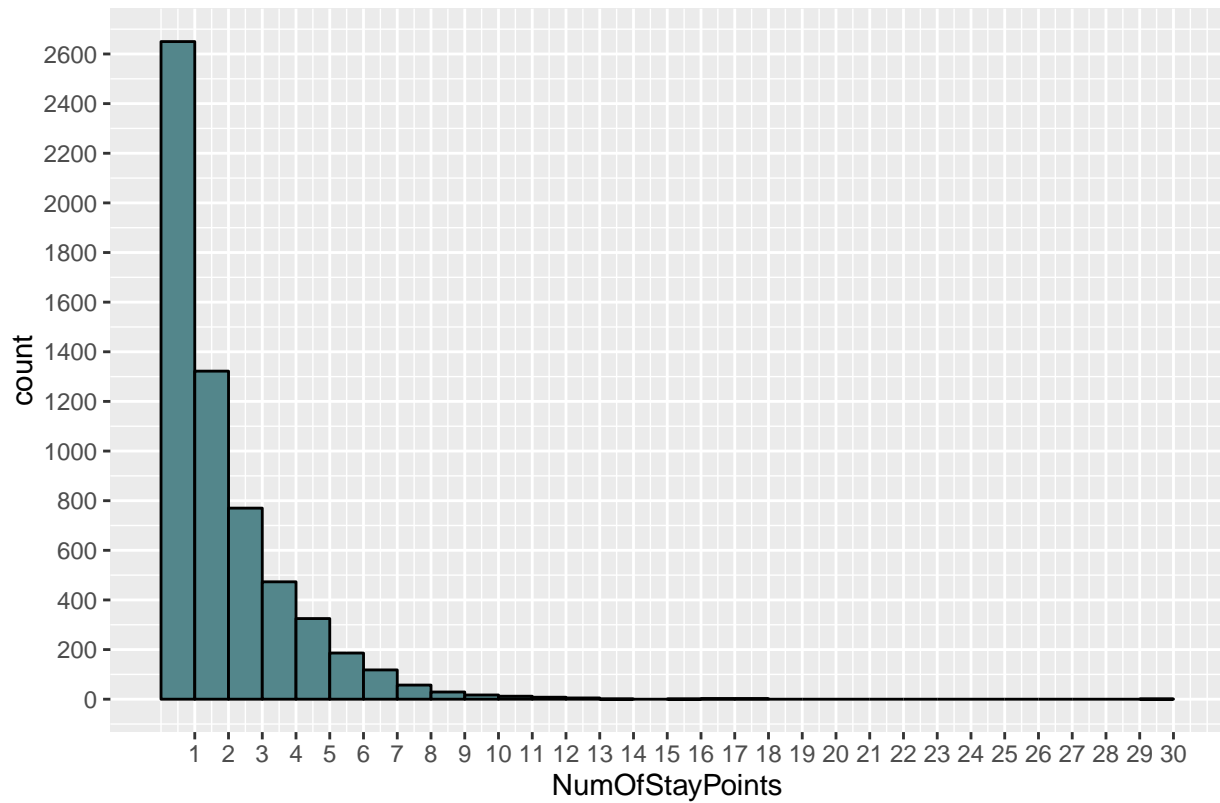
num of users with atleast one stay point :

```
## [1] 171
```

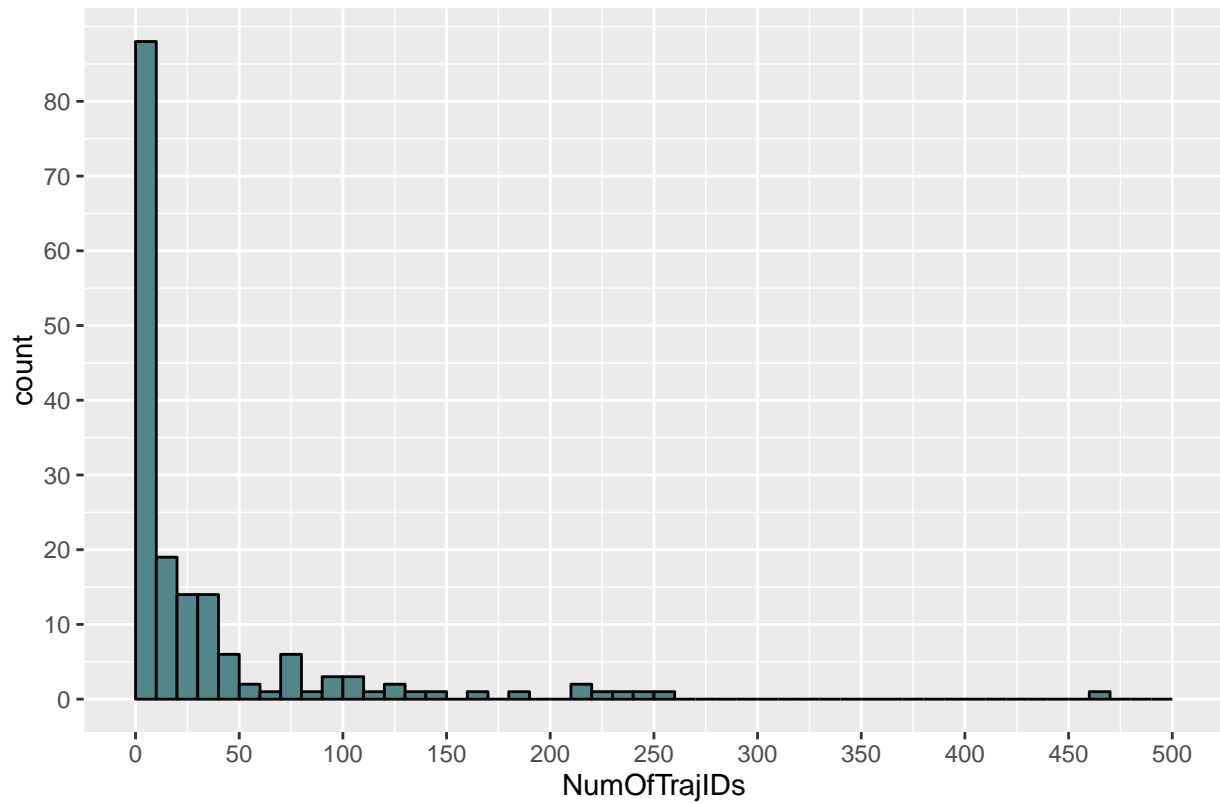
num of TrajIDs with atleast one stay point :

```
## [1] 5979
```

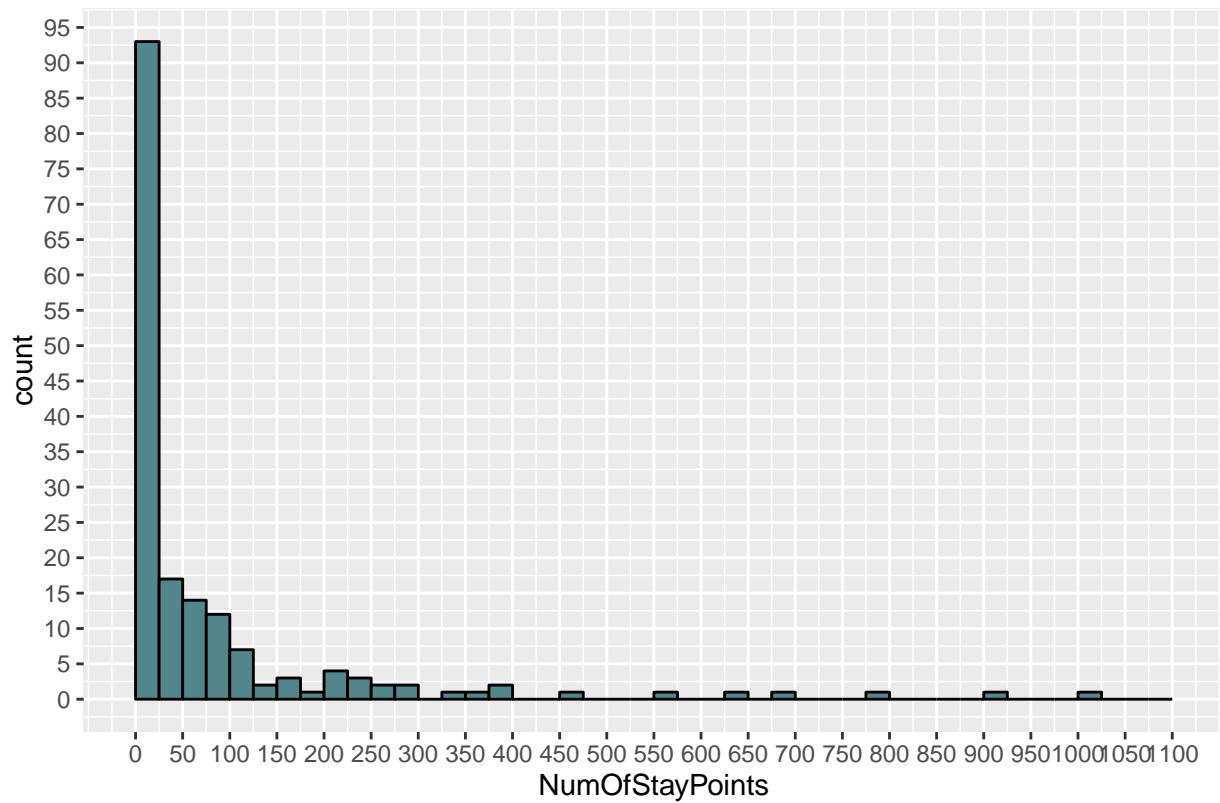
Histogram of #StayPoints per TrajID



Histogram of TrajIDs per user



Histogram of #StayPoints per User

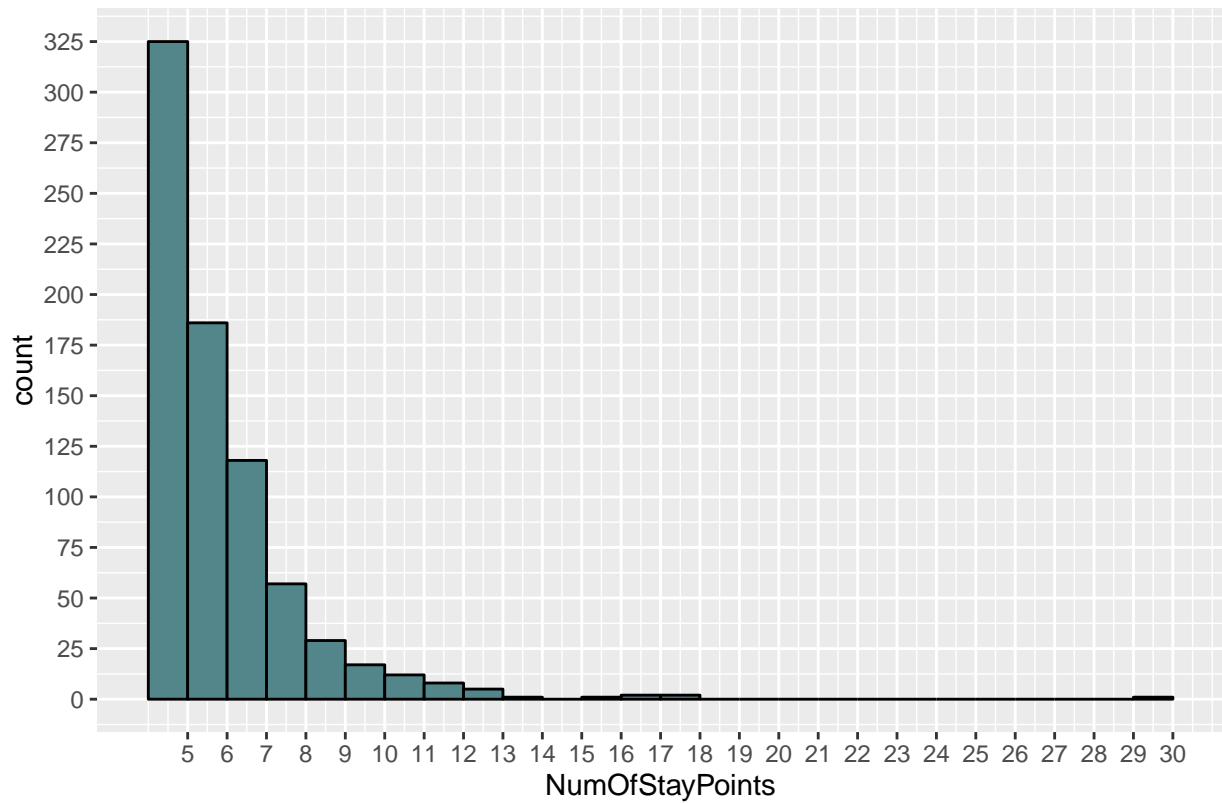


Considering only those trajectories which have atleast 5 stay points

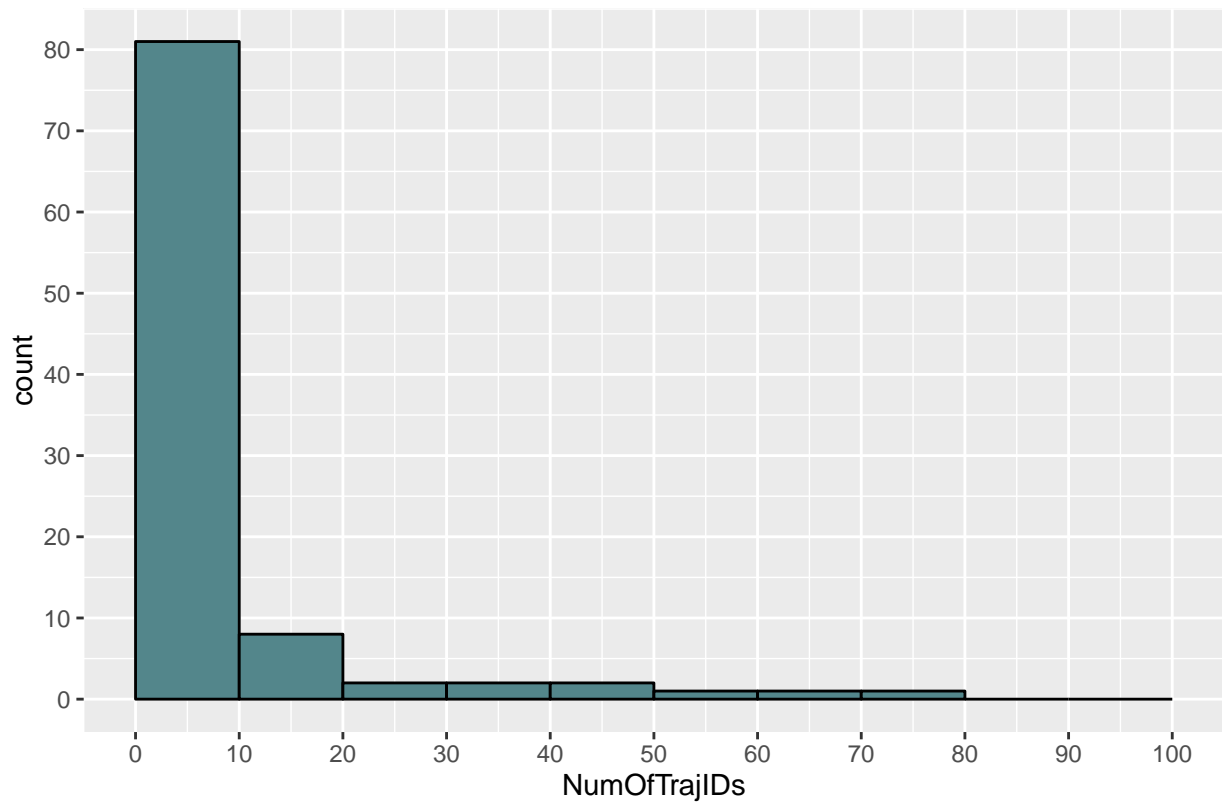
```
## NumOfTrajIDs_with_atleast_5StayPoints
## 1 764
```

```
## NumOfUsers_with_atleast_1trajID_with_atleast_5StayPoints
## 1 98
```

Histogram of #StayPoints per TrajID (only TrajID with ≥ 5 staypoints)



Histogram of TrajIDs (having ≥ 5 staypoints) per user



Note that:

- Only 18 users have atleast 10 TrajIDs with ≥ 5 stay points.
- Only 8 users have atleast 25 TrajIDs with ≥ 5 stay points.

