In [1]:
import pandas as pd

In []:

In [2]:

df = pd. read_csv("users/user01f2/sample_ex. csv")

In [3]:

df. describe()

Out[3]:

	Left_x	Left_y	Right_x	Right_y	left_pupil_diameter	right_p
count	200495.000000	200495.000000	202340.000000	202340.000000	200495.000000	2
mean	0.452040	0.568493	0.480304	0.558731	2.500707	
std	0.202610	0.305200	0.194269	0.306498	0.162986	
min	-0.194762	-0.198839	-0.197145	-0.205678	0.795181	
25%	0.240769	0.349056	0.284994	0.340492	2.399994	
50%	0.553779	0.522377	0.575833	0.507172	2.499313	
75%	0.603700	0.725637	0.627894	0.722207	2.597702	
max	1.192185	2.131697	1.198954	2.189150	3.968643	
4						•

In [4]: ▶

```
df. query(' 0<Left_x<=1 & 0<Left_y<=1 & 0<Right_x<=1 & 0<Right_y<=1')
# df. query(' 0<Left_x<=1 & 0<Left_y<=1 & 0<Right_x<=1 & 0<Right_y<=1')</pre>
```

Out[4]:

	Left_x	Left_y	Right_x	Right_y	left_pupil_diameter	right_pupil_diameter	mous
5	0.694782	0.829364	0.683713	0.860779	2.386383	2.336685	1
6	0.676107	0.852336	0.678150	0.859380	2.526337	2.498947	1
7	0.669395	0.867482	0.673417	0.864439	2.493469	2.462997	1
8	0.674026	0.868280	0.675698	0.867960	2.474655	2.452347	1
9	0.665345	0.874817	0.674087	0.864104	2.464600	2.448471	1
257895	0.729544	0.455575	0.798775	0.460593	2.724411	2.367157	1
258022	0.722815	0.537679	0.742224	0.470309	2.227951	2.083221	1
258023	0.722815	0.537679	0.742224	0.470309	2.227951	2.083221	1
258026	0.744126	0.507346	0.749441	0.506400	2.192017	2.057831	1
258027	0.744126	0.507346	0.749441	0.506400	2.192017	2.057831	1
169622	rows × 9 c	olumns					
4							•

Out[6]:

[(67004, 9), (97703, 9)]

In [7]: ▶

df2 = pd. read_csv("users/user01f2/sample_ex_click.csv")

In [8]:

df2[df2['PorR']==True]

Out[8]:

		X	У	count	PorR	time_stamp
	0	672	1326	1	True	10:59:34.068619
	2	1439	138	2	True	10:59:37.014096
	4	1459	237	3	True	11:04:31.554119
	6	1610	256	4	True	11:04:45.953730
	8	1450	295	5	True	11:05:15.931944
;	338	1433	131	170	True	12:10:10.796104
;	340	1621	131	171	True	12:10:11.702286
;	342	1402	139	172	True	12:10:12.992323
;	344	630	1312	173	True	12:10:16.030081
;	346	664	1336	174	True	12:10:19.354337

174 rows × 5 columns

In [9]: ▶

df3= pd. read_csv("users/user01f2/sample_ex_key. csv")

In [10]:

df3[df3['PorR']==True]

Out[10]:

	key	PorR	time_stamp
0	'f'	True	11:01:39.487506
2	'r'	True	11:01:39.607185
4	'o'	True	11:01:39.771745
6	Key.backspace	True	11:01:40.422046
8	Key.backspace	True	11:01:40.607549
3243	Key.left	True	12:09:38.653661
3245	Key.left	True	12:09:38.904989
3247	Key.backspace	True	12:09:39.470474
3249	Key.shift	True	12:09:40.018017
3250	Key.f10	True	12:09:40.226521

1703 rows × 3 columns

In [11]: ▶

df3["key"]. value_counts()

Out[11]:

ouc[ii].	
Key. backspace	555
Key. shift	299
Key.right	298
Key. left	267
Key. enter	168
Key. down	158
Key. space	136
Key. f10	100
'r'	96
, ' _f ,	82
Key. tab	72
' ('	72
	64
Key. up ' o'	62
	62
'n'	
' e'	60
' a' ' o'	52 50
' 0'	50
Key.ctrl_l	40
' i'	36
' I'	34
, w,	32
't'	32
, x,	30
' 1'	30
' : '	28
' g'	28
' 8'	28
// ₁ //	24
' 5'	24
' y'	24
' d'	22
, _',	21
' 4 '	18
	16
, ₆ ,	14
's' '6' '7'	14
, <u> </u>	13
, j,	12
, c,	11
'¥x03'	
, +X00	8
'¥x16'	Q
' 2'	Q
, 3,	9 8 8 8 8
' m'	0
, III , ,	4
' '	4
'*' 'k'	4
' k'	
' h' ' Y…1 - '	4
'¥x1a'	2
')'	2 2 2
Key.shift_r	2

,/' 2 Name: key, dtype: int64