

```
In [1]: # Import Libraries
import pandas as pd
import numpy as np
```

```
In [4]: # Remove 2nd column and Rename 1st column
```

Out [4]:

	Channel Group	DateHour	Users	Session	Engaged Sessions	Average engagement time per session	Engaged sessions per user	Events per session	Engagement rate	Event count
0	Direct	2024041623	237	300	144	47.52666666666700	0.6075949367088610	4.673333333333300	0.48	1402
1	Organic Social	2024041719	208	267	132	32.09737827715360	0.6346153846153850	4.295880149812730	0.4943820224719100	1147
2	Direct	2024041723	188	233	115	39.93991416309010	0.6117021276595740	4.58782832618030	0.49356223175965700	1069
3	Organic Social	2024041718	187	256	125	32.16015625	0.6684491978609630	4.078125	0.48828125	1044
4	Organic Social	2024041720	175	221	112	46.918552036199100	0.64	4.529411764705880	0.5067873303167420	1001

```
In [5]: # Clean Data
```

Out [5]:

	Channel Group	DateHour	Users	Session	Engaged Sessions	Average engagement time per session	Engaged sessions per user	Events per session	Engagement rate	Event count
0	Direct	2024041623	237	300	144	47.52666666666700	0.6075949367088610	4.673333333333300	0.48	1402
1	Organic Social	2024041719	208	267	132	32.09737827715360	0.6346153846153850	4.295880149812730	0.4943820224719100	1147
2	Direct	2024041723	188	233	115	39.93991416309010	0.6117021276595740	4.58782832618030	0.49356223175965700	1069
3	Organic Social	2024041718	187	256	125	32.16015625	0.6684491978609630	4.078125	0.48828125	1044
4	Organic Social	2024041720	175	221	112	46.918552036199100	0.64	4.529411764705880	0.5067873303167420	1001

```
In [6]: # Section And User Overtime
```

Out [6]:

	Channel Group	DateHour	Users	Session	Engaged Sessions	Average engagement time per session	Engaged sessions per user	Events per session	Engagement rate	Event count	Hour
0	Direct	2024-04-16 23:00:00	237	300	144	47.526667	0.607595	4.673333	0.480000	1402	23
1	Organic Social	2024-04-17 19:00:00	208	267	132	32.097378	0.634615	4.295880	0.494382	1147	19
2	Direct	2024-04-17 23:00:00	188	233	115	39.939914	0.611702	4.587983	0.493562	1069	23
3	Organic Social	2024-04-17 18:00:00	187	256	125	32.160156	0.668449	4.078125	0.488281	1044	18
4	Organic Social	2024-04-17 20:00:00	175	221	112	46.918552	0.640000	4.529412	0.506787	1001	20

