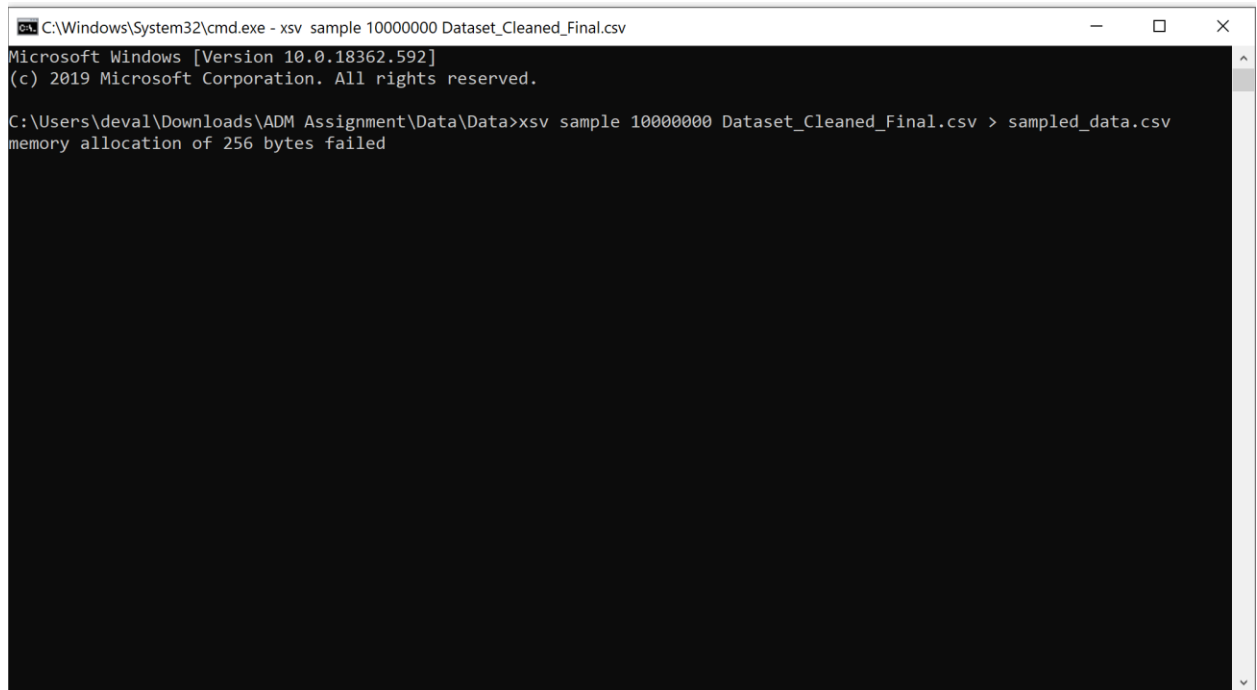


XSV Commands

- **Sample command**

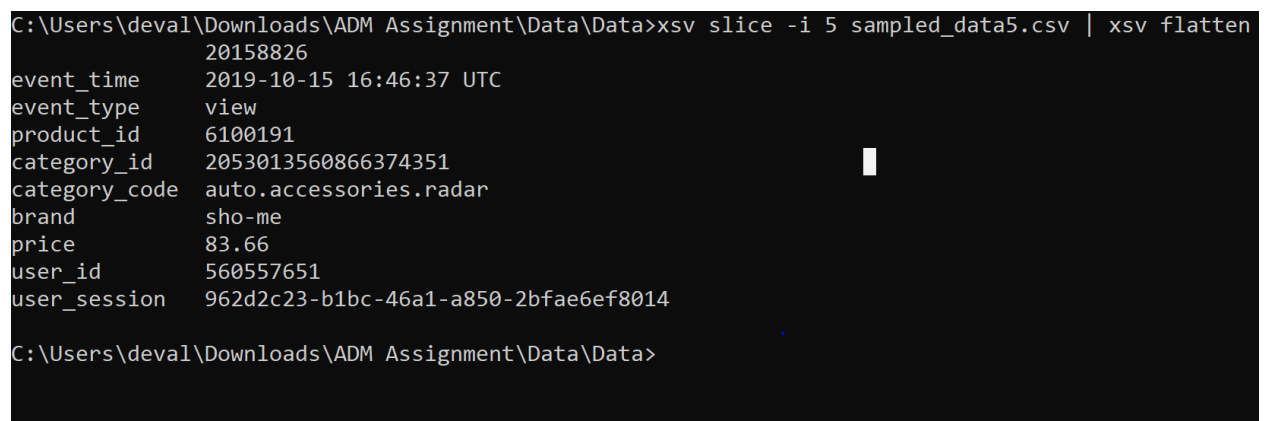


A screenshot of a Windows command prompt window. The title bar reads "C:\Windows\System32\cmd.exe - xsv sample 10000000 Dataset_Cleaned_Final.csv". The window content shows the following text:

```
Microsoft Windows [Version 10.0.18362.592]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\deval\Downloads\ADM Assignment\Data\Data>xsv sample 10000000 Dataset_Cleaned_Final.csv > sampled_data.csv
memory allocation of 256 bytes failed
```

- **Slice command**



A screenshot of a Windows command prompt window. The title bar reads "C:\Users\deval\Downloads\ADM Assignment\Data\Data>xsv slice -i 5 sampled_data5.csv | xsv flatten". The window content shows the following text:

```
C:\Users\deval\Downloads\ADM Assignment\Data\Data>xsv slice -i 5 sampled_data5.csv | xsv flatten
20158826
event_time      2019-10-15 16:46:37 UTC
event_type      view
product_id      6100191
category_id     2053013560866374351
category_code   auto.accessories.radar
brand           sho-me
price           83.66
user_id         560557651
user_session    962d2c23-b1bc-46a1-a850-2bfae6ef8014

C:\Users\deval\Downloads\ADM Assignment\Data\Data>
```

- **Frequency Command**

```
C:\Windows\System32\cmd.exe
C:\Users\deval\Downloads\ADM Assignment\Data>xsv frequency sampled_data5.csv
#field,value,count
,6373760,1
,6611812,1
,69516,1
,7615999,1
,12704370,1
,14413352,1
,472825,1
,143339,1
,425446,1
,11406463,1
event_time,2019-10-15 07:50:47 UTC,7
event_time,2019-10-18 15:00:48 UTC,7
event_time,2019-10-13 09:52:54 UTC,7
event_time,2019-10-13 16:01:29 UTC,6
event_time,2019-10-18 07:48:20 UTC,6
event_time,2019-10-08 16:04:19 UTC,6
event_time,2019-10-11 16:46:32 UTC,6
event_time,2019-10-01 15:29:45 UTC,6
event_time,2019-10-16 10:43:19 UTC,6
event_time,2019-10-17 09:10:22 UTC,6
event_type,view,620879
event_type,cart,16891
event_type,purchase,12230
product_id,1004856,9606
product_id,1004767,8309
product_id,1005115,7345
product_id,1004833,4539
product_id,1004249,4439
product_id,4004056,4316
product_id,1004870,4181
product_id,1005105,4092
product_id,5100816,3868
product_id,1002544,3862
category_id,2053013555631882655,220334
category_id,2053013558920217191,22183
category_id,2053013554658804075,21072
category_id,2053013554415534427,20456
category_id,2053013563810775923,16335
category_id,2053013565983425517,14782
category_id,2053013553341792533,13605
category_id,2053013561579406073,12196
category_id,2053013563011439225,11797
category_id,205301356168753601,11544
category_code,electronics.smartphone,236728
category_code,electronics.clocks,27158
category_code,electronics.video.tv,22964
category_code,appliances.environment.vacuum,22686
category_code,computers.notebook,22623
category_code,electronics.audio.headphone,22301
category_code,appliances.kitchen.refrigerators,17871
category_code,appliances.kitchen.washer,17465
category_code,apparel.shoes,13572
category_code,construction.tools.drill,12396
brand,samsung,102289
```

- **Headers**

```
C:\Users\deval\Downloads\ADM Assignment\Data\Data>xsv headers sampled_data5.csv
1
2 event_time
3 event_type
4 product_id
5 category_id
6 category_code
7 brand
8 price
9 user_id
10 user_session
```

- Stats Command

```
C:\Users\deval\Downloads\ADM Assignment\Data\Data>xsv stats sampled_data5.csv | xsv table
```

field	type	sum	min	max	min_length	max_length	mean	stddev
	Integer	8201518331154	45	25132976	2	8	12617720.509468116	7303686.412733735
event_time	Unicode		2019-10-01 00:00:35 UTC	2019-10-19 06:11:08 UTC	23	23		
event_type	Unicode		cart	view	4	8		
product_id	Integer	4956098424701	1001588	57800018	7	8	7624766.8072323315	10426771.874138867
category_id	Integer	1154709812274001882	2053013552226107603	2175419595093967522	19	19	2056870499907754500	17659587502787702
category_code	Unicode		accessories.bag	stationery.cartrige	9	38		
brand	Unicode		a-elita	zte	2	19		
price	Float	208521084.18996146	0	2574.07	3	7	320.8016679846074	376.3464448008976
user_id	Integer	346098570574486	240236728	561792271	9	9	532459339.34536445	17755006.86601037
user_session	Unicode		000097b7-14fd-4336-a0e6-c82c981f8817	ffffe4b3-d2f5-46f7-853f-b37ed9cc307a	36	36		

- Slice Command

```
C:\Users\deval\Downloads\ADM Assignment\Data\Data>xsv slice sampled_data5.csv -s 1 -e 11 | xsv table
```

	event_time	event_type	product_id	category_id	category_code	brand	price	user_id	user_session
12092009	2019-10-10 10:35:33 UTC	view	12709462	2053013553559896355	auto.accessories.compressor	goodyear	78.51	544080809	6dd868fd-c5ad-400e-90ff-b2b8307d0f94
18537191	2019-10-14 16:01:48 UTC	view	19400021	2053013563768832881	construction.tools.drill	bosch	514.5	514236427	23c08167-0273-4ff1-b6ad-18ef3bc07d4b
2311261	2019-10-02 18:06:21 UTC	view	4700569	2053013560899928785	auto.accessories.videoregister	ibox	56.63	548864522	7f680b61-f6a5-4e1f-abf5-3748c090fa70
18856560	2019-10-14 20:16:57 UTC	view	3700766	2053013565983425517	appliances.environment.vacuum	samsung	136.17	520490423	201dbf44-0758-426a-a24e-897cb09ba302
20158826	2019-10-15 16:46:37 UTC	view	6100191	2053013560866374351	auto.accessories.radar	sho-me	83.66	560557651	962d2c23-b1bc-46a1-a850-2bfae6ef8014
8308914	2019-10-07 13:21:05 UTC	view	3601124	2053013563810775923	appliances.kitchen.washer	haier	308.86	555485728	848b7fbc-cb8f-4eea-85b8-e3472d018352
20976224	2019-10-16 09:09:27 UTC	view	2800638	2053013563835941749	appliances.kitchen.refrigerators	indesit	194.32	514729565	14528125-037d-4f0f-9cfd-9fdc334601d5
6675288	2019-10-06 07:47:47 UTC	view	21700002	2053013561126421213	electronics.smartphone	sony	47.59	557276206	9d82faf8-a871-4702-bbdb-0ddf021a32ba
7508734	2019-10-06 18:29:26 UTC	view	18000890	2053013558525952589	electronics.smartphone	apple	198.18	538743996	0f2194e0-0d38-4613-a6ae-b2b3c122a1aa
4964892	2019-10-04 22:04:42 UTC	view	1004903	2053013555631882655	electronics.smartphone	huawei	111.7	513817096	806849b2-4405-44a7-b079-81e7e8656a68