```
length of the df c1 before removing the NaN rows and pre-processing: 7267
1 column(s) null (for len=5): 748
2 column(s) null (for len=5): 659
3 column(s) null (for len=5): 742
4 column(s) null (for len=5): 543
5 column(s) null (for len=5): 0
Total sum of NaN cases: 2692
C2
length of the df_c2 before removing the NaN rows and pre-processing: 18346
1 column(s) null (for len=10): 4980
2 column(s) null (for len=10): 1718
3 column(s) null (for len=10): 7163
4 column(s) null (for len=10): 288
5 column(s) null (for len=10): 130
6 column(s) null (for len=10): 1211
7 column(s) null (for len=10): 210
8 column(s) null (for len=10): 126
9 column(s) null (for len=10): 283
10 column(s) null (for len=10): 0
Total sum of NaN cases: 16109
C3
length of the df c3 before removing the NaN rows and pre-processing: 6822
1 column(s) null (for len=9): 742
2 column(s) null (for len=9): 934
3 column(s) null (for len=9): 1189
4 column(s) null (for len=9): 1348
5 column(s) null (for len=9): 1104
6 column(s) null (for len=9): 21
7 column(s) null (for len=9): 10
8 column(s) null (for len=9): 9
9 column(s) null (for len=9): 0
Total sum of NaN cases: 5357
C4
length of the df c4 before removing the NaN rows and pre-processing: 18774
1 column(s) null (for len=8): 12887
2 column(s) null (for len=8): 1650
3 column(s) null (for len=8): 770
```

```
4 column(s) null (for len=8): 748
5 column(s) null (for len=8): 787
6 column(s) null (for len=8): 822
7 column(s) null (for len=8): 852
8 column(s) null (for len=8): 0
Total sum of NaN cases: 18516
```

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## C5

length of the df\_c5 before removing the NaN rows and pre-processing: 19004

1 column(s) null (for len=10): 5337 2 column(s) null (for len=10): 577 3 column(s) null (for len=10): 592 4 column(s) null (for len=10): 870 5 column(s) null (for len=10): 1386 6 column(s) null (for len=10): 1754 7 column(s) null (for len=10): 1937 8 column(s) null (for len=10): 1510 9 column(s) null (for len=10): 971 10 column(s) null (for len=10): 0

Total sum of NaN cases: 14934