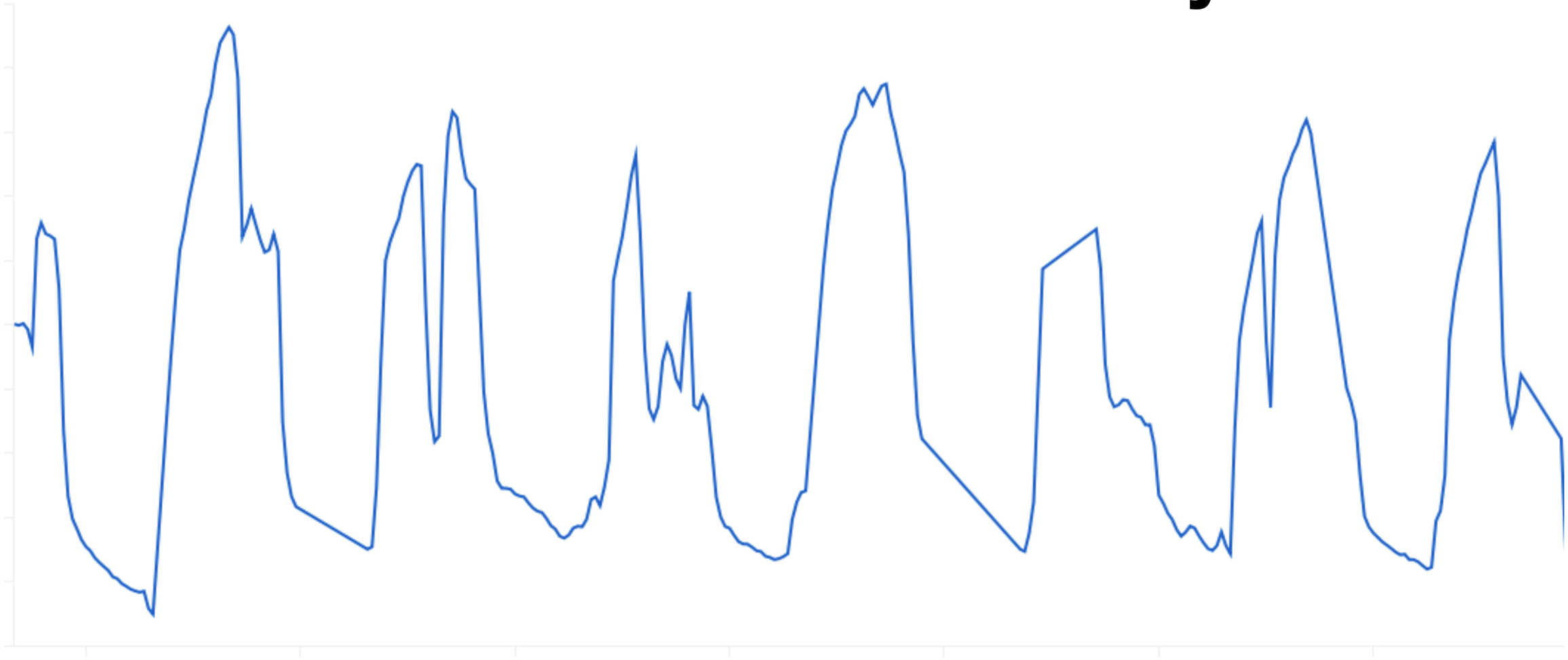
Data and Measurement

Generating and Processing Data to tell Stories

What do you observe?
What do you notice?



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What do you notice?

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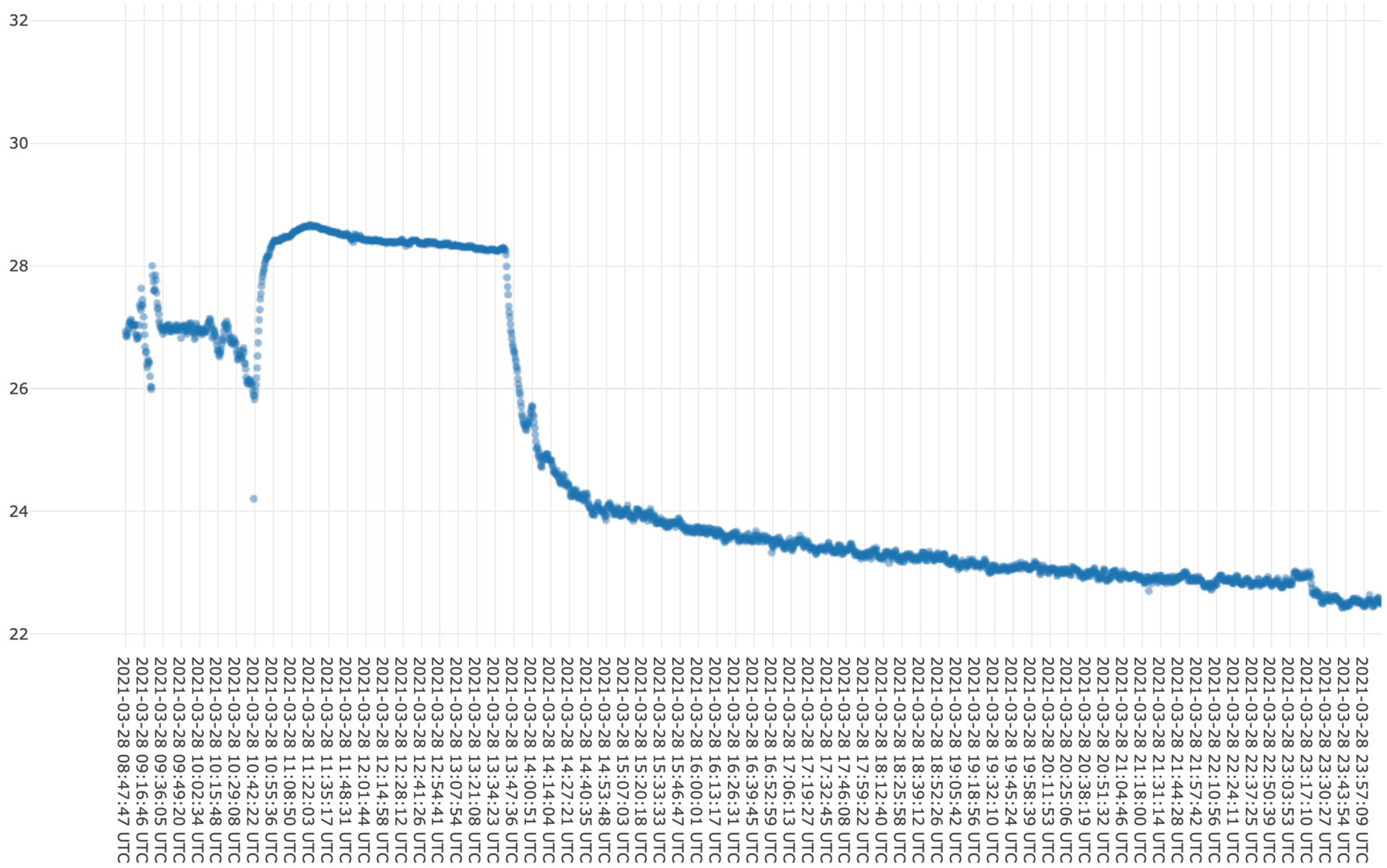
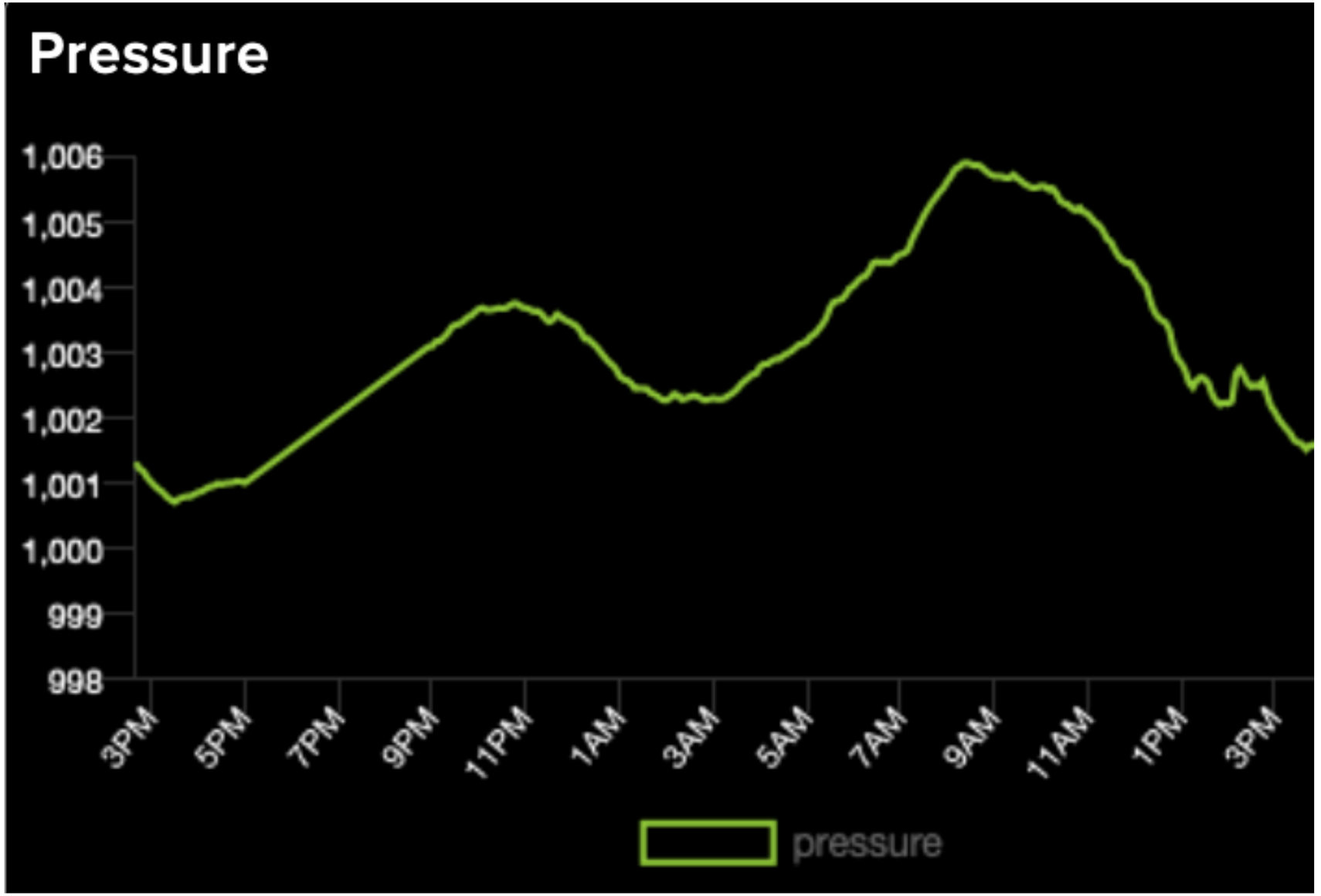
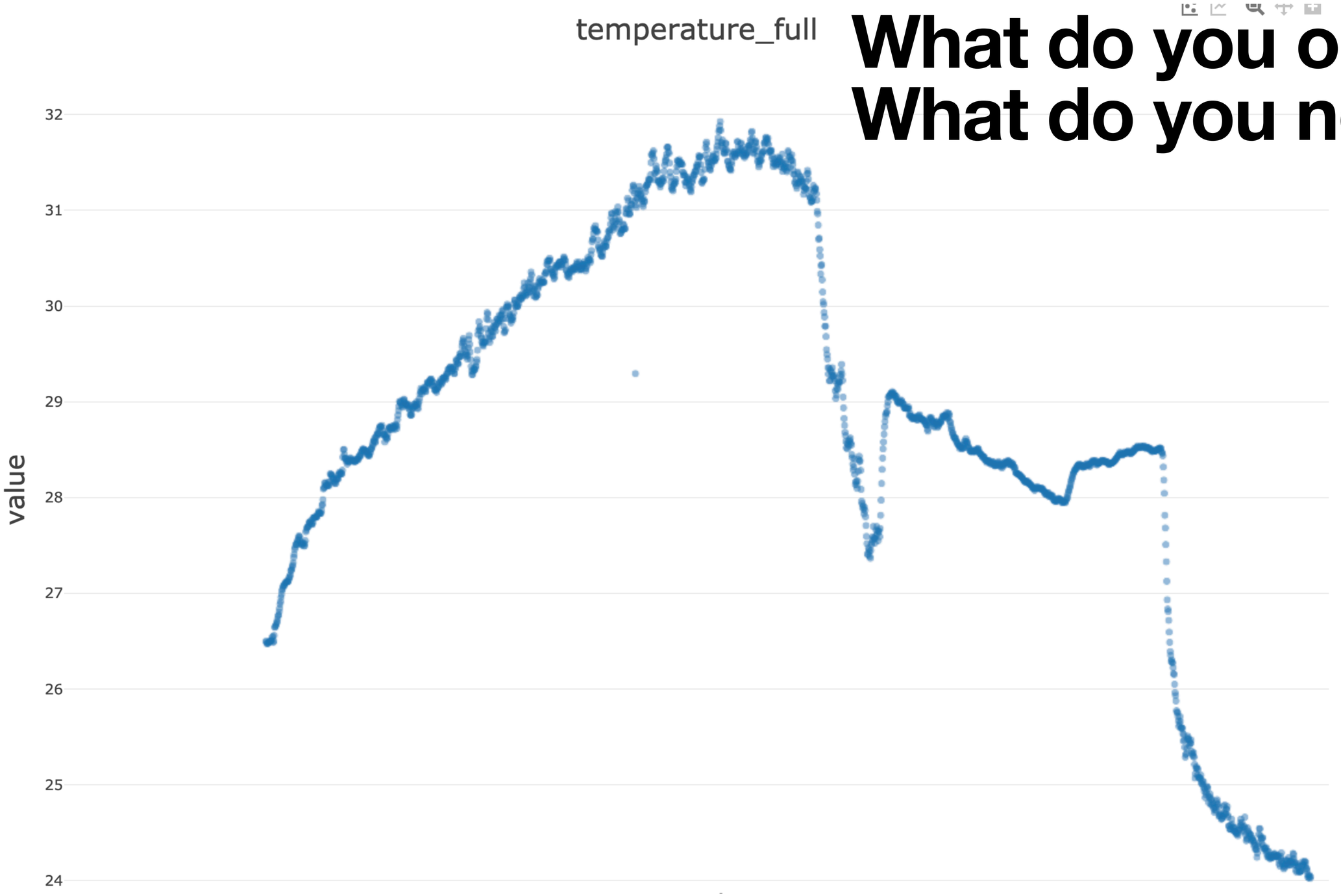


What do you observe?
What do you notice?





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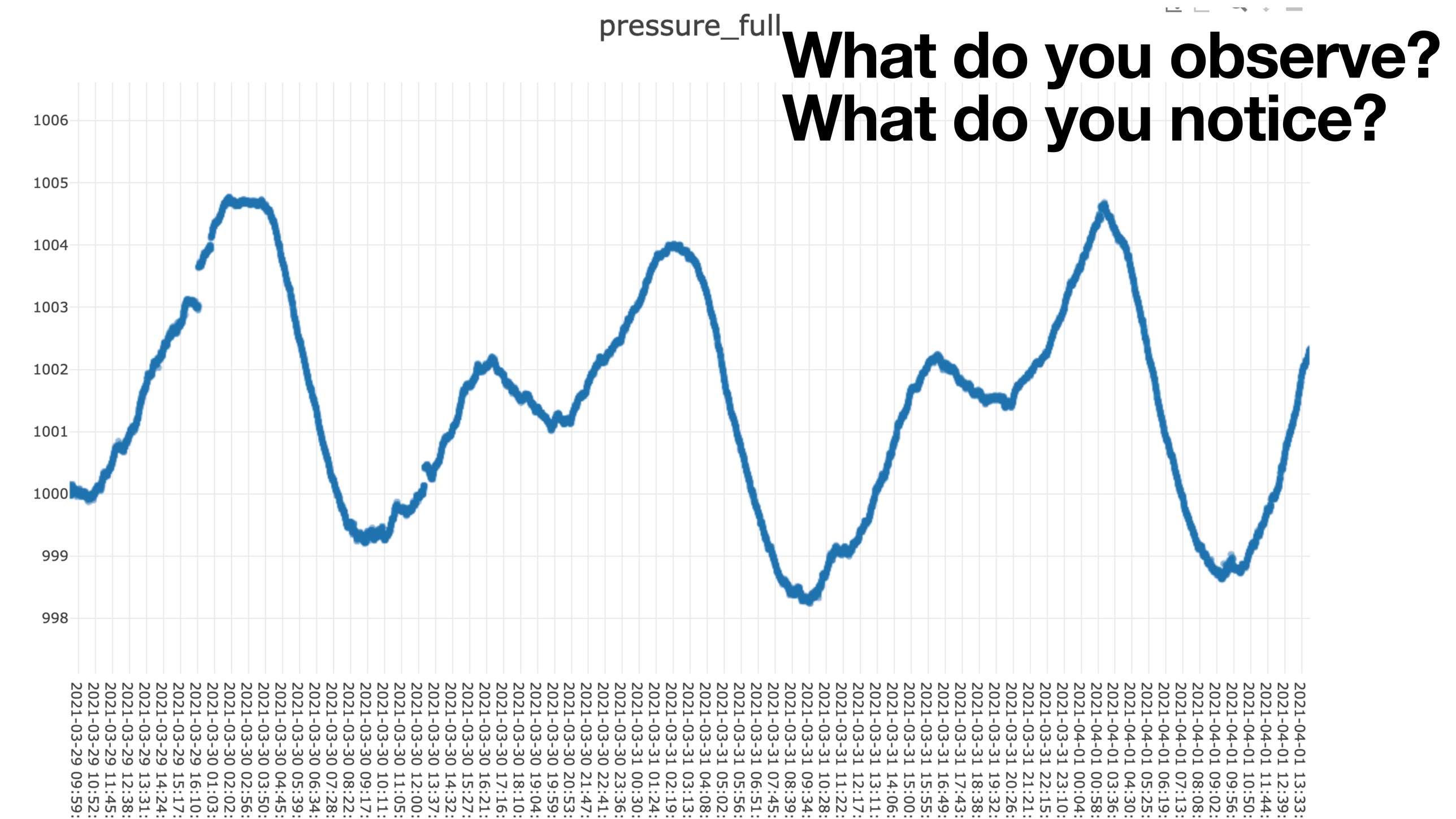
What do you notice?



What do you observe?
What do you notice?

CSV - comma separated values

```
id,value,feed_id,created_at,lat,lon,ele
0EPJR2VDBM31SK6F238443829F,1001.27,1589961,2021-03-28 08:47:48 UTC,,,
0EPJR2ZDFES6W7KXVW532Y8ZX1,1001.24,1589961,2021-03-28 08:48:01 UTC,,,
0EPJR33EC9FGEXTCBD708H2P0T,1001.22,1589961,2021-03-28 08:48:15 UTC,,,
0EPJR37DF5319XSVEM7B2WJ2N7,1001.24,1589961,2021-03-28 08:48:28 UTC,,,
0EPJR3BEF1J49KQ2TY0K5VYCDF,1001.24,1589961,2021-03-28 08:48:41 UTC,,,
0EPJR3FFCPTR3H0ZQPMB7TCBCZ,1001.25,1589961,2021-03-28 08:48:54 UTC,,,
0EPJR3KFE6PMCT0VKHQA7DX1XB,1001.23,1589961,2021-03-28 08:49:07 UTC,,,
```

Task: Process both the pressure and temperature CSV files using the REPL on PSL.

```
id,value,feed_id,created_at,lat,lon,ele
0EPJR2VDBM31SK6F238443829F,1001.27,1589961,2021-03-28 08:47:48 UTC,,,
0EPJR2ZDFES6W7KXVW532Y8ZX1,1001.24,1589961,2021-03-28 08:48:01 UTC,,,
0EPJR33EC9FGEXTCBD708H2P0T,1001.22,1589961,2021-03-28 08:48:15 UTC,,,
0EPJR37DF5319XSVEM7B2WJ2N7,1001.24,1589961,2021-03-28 08:48:28 UTC,,,
0EPJR3BEF1J49KQ2TY0K5VYCDF,1001.24,1589961,2021-03-28 08:48:41 UTC,,,
0EPJR3FFCPTR3H0ZQPMB7TCBCZ,1001.25,1589961,2021-03-28 08:48:54 UTC,,,
0EPJR3KFE6PMCT0VKHQA7DX1XB,1001.23,1589961,2021-03-28 08:49:07 UTC,,,
```

Algorithm: how would you find the biggest number in this list?

10
18
4
16
24
25
24
13
29

Algorithm: how would this change if the list had 100 numbers in it?

10
18
4
16
24
25
24
13
29

In your REPL for pressure and temperature, add a feature that prints out the maximum and minimum values for both quantities after going through the full data set.