
Subject: Re: cumulativeSumInCategory

Posted by [nbehrnd](#) on Thu, 20 May 2021 22:40:44 GMT

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Dear Greg,

the computation fails because the instruction contains an error in the syntax. In your example, plateID and penalties are not variables, but label-like column headers. For this reason both are to be enclosed in quotes. To enable a computation, the formula thus shall be written as cumulativeSumInCategory("plateID", "penalties")

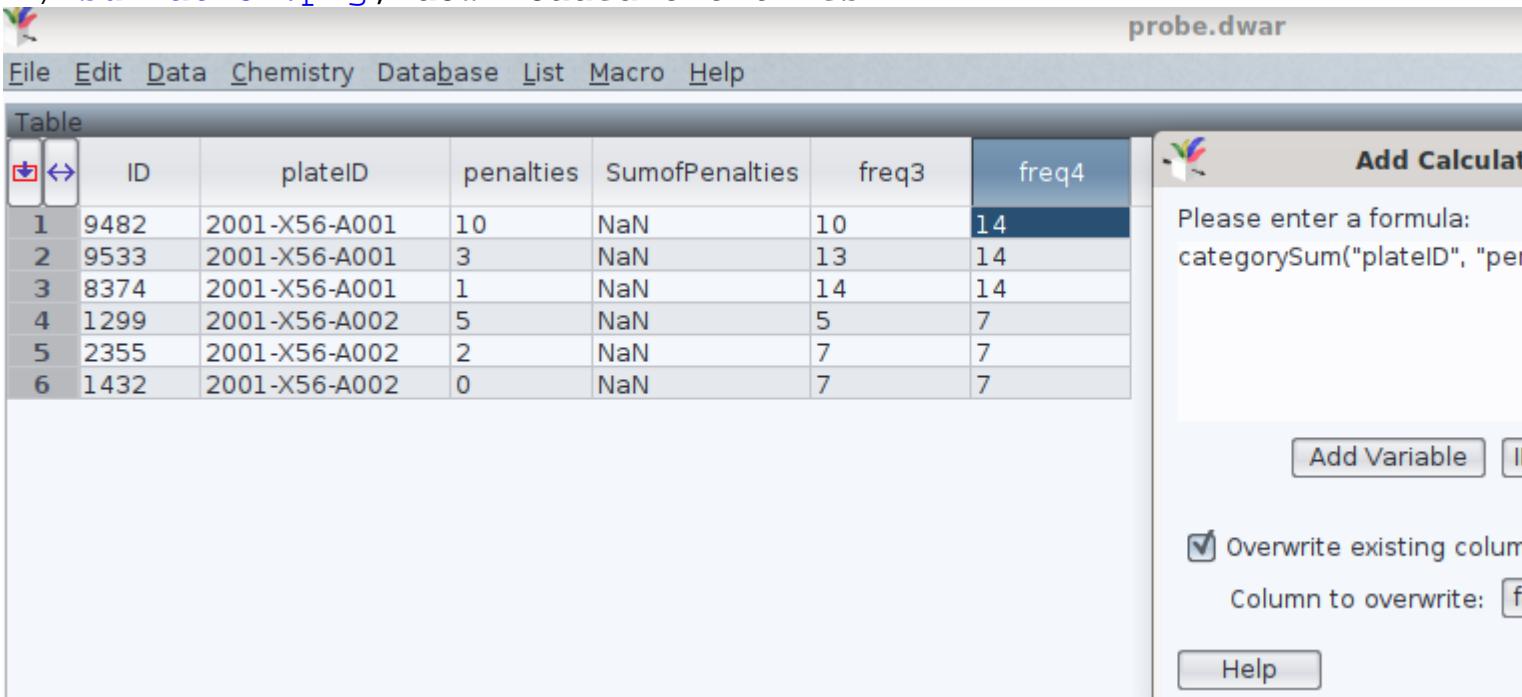
Note, `cumulativeSumInCategory` adds line by line the penalties for the plateIDs, and accounts for all lines already scrutinized. This pattern is used in column «freq3» in the example attached below.

Your description of the anticipated results differs from this, though. It is better described by the formula categorySum("plateID", "penalties") This pattern is used in column «freq4»:

Norwid

File Attachments

1) [summation.png](#), downloaded 818 times



The screenshot shows the OpenMolecules software interface. On the left, there is a table with the following data:

	ID	plateID	penalties	SumofPenalties	freq3	freq4
1	9482	2001-X56-A001	10	NaN	10	14
2	9533	2001-X56-A001	3	NaN	13	14
3	8374	2001-X56-A001	1	NaN	14	14
4	1299	2001-X56-A002	5	NaN	5	7
5	2355	2001-X56-A002	2	NaN	7	7
6	1432	2001-X56-A002	0	NaN	7	7

On the right, there is a formula editor window with the following text:

```
Please enter a formula:  
categorySum("plateID", "penalties")
```

With buttons for "Add Variable", "Overwrite existing column", "Column to overwrite", and "Help".

2) [probe.dwar](#), downloaded 548 times
