Subject: cumlativeSumInCategory
Posted by chemtv on Wed, 19 May 2021 13:56:13 GMT
View Forum Message <> Reply to Message

I am trying to use a calculated column to sum the values per a text category but I keep getting "NaN" as the result. Can you tell what the problem is?
Attached is an example table...

The formula that gives NAN is:
cumulativeSumInCategory(plateID,"penalties")

I am expecting a new column that has the sum 14 for the first 3 entries and 7 for the second 3 entries, (same number for each of 3 rows).

BTW, I have no success with frequencyInCategory either. Can the frequency count unique text strings (eg. SMILES) as well as numbers?

Thanks,
Greg

File Attachments

1) Example.dwar, downloaded 758 times

Subject: Re: cumlativeSumInCategory
Posted by nbehrnd on Thu, 20 May 2021 22:40:44 GMT
View Forum Message <> Reply to Message

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")

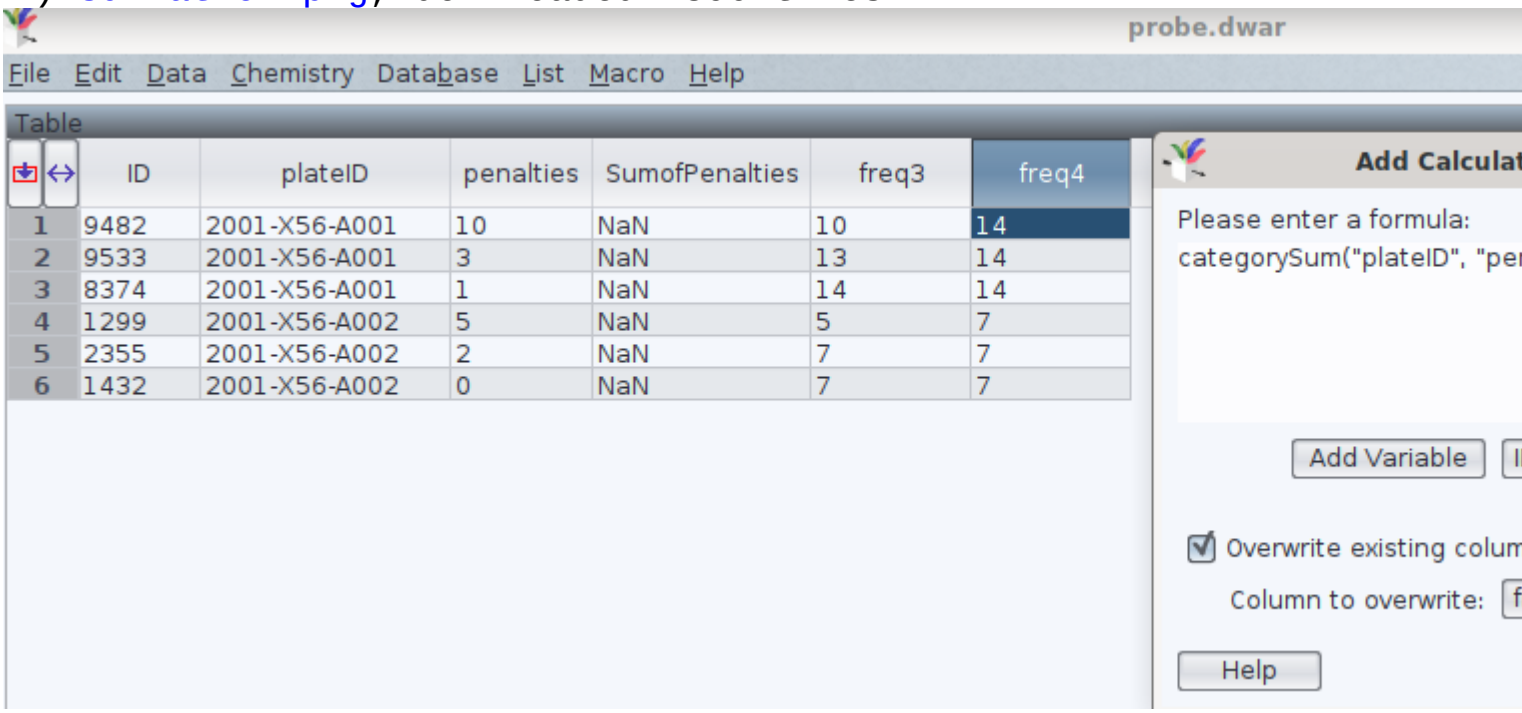
Note, `cumulativeSumInCategory` adds line by line the penalties for the plateIDs, and accounts for all lines already scrutinized. This pattern is used in column «freq3» in the example attached below.

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 1390 times



2) probe.dwar, downloaded 706 times

Subject: Re: cumlativeSumInCategory
Posted by chemtv on Fri, 21 May 2021 12:18:36 GMT
View Forum Message <> Reply to Message

Thanks so much this fixes my problem with several of these functions.

regards,
Greg
