MET MA 603: SAS Project Exam Help SAS Programming and https://powcoder.com Applications Add WeChat powcoder

Retain and Sum Statements

The Retain Statement

By default, SAS processes data one observation at a time. After executing each statements in the Data step, SAS moves on to the next observation, setting initial values back to missing. Appropriate project personation is lost.

The Retain Statement instructs SAS to remember the value of a variable from the previous observation. This allows the information to be used in processing the subsequent observations.

```
retain running_total 0 ;
```

In the retain statement, indicate the variable to be retained, as well as its initial value. More than one variable can be retained in the same statement.

The Sum Statement

The **Sum Statement** is a short-hand, special case of the running total version of the Retain statement. It allows for much of the code ordinarily needed to execute the Retain statement to **permitted** Project Exam Help

running_total + number; https://powcoder.com

Note that the Sum statement only works to calculate a running total; for anything of their than a running total, the full Retain statement must be used.

Also note, the Sum statement is different than the Sum function, and that the Sum statement does not actually use the word sum in its syntax.

Practice

Use the Loss.sas7bdat dataset for the following:

Use the Sum statement to calculate the total of the Amount.

Use the Retain statement to calculate the total of the Amount separately (in the same Data step) for when WeatherFlag=0 and for when WeatherFlag=1.

Readings

Textbook section 3.10

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