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

Data Steps and Procedures

Data Steps

A **Data Step** is a special block of code for reading and modifying datasets.

Example of a Data Step:

```
Assignment Project Exam Help
Miles = 26.22;

https://powcoder.com * Miles;
```

This Data Step contains feur statements er

This Data Step creates an output dataset called "distance" which has one observation and two variables, "Miles" and "Kilometers".

In this example there is no input dataset.

Data statement

The **Data** statement instructs SAS to initiate a Data Step.

The keyword Data can be followed by the name of a dataset to be created, NULL (which instructs SAS to not create a dataset), or nothing at all (which instructs SAS to use a default name for the dataset).com

```
data distance; creates a dataset named "distance" Add WeChat powereder dataset with a default name
```

data _null_ ; does not create a dataset

The statements that follow the Data statement are executed when SAS encounters one of the keywords Run, Data, or Proc.

Procedures

A **Procedure** is a special block of code for analyzing datasets and producing reports. Procedures are designed to accomplish a specific task, and usually require entering a specific sequence of the project Exam Help

Procedures usually require specifying input and output datasets, and may include additional optional or required statements or argundents eChat powcoder

Example of a Procedure:

```
Proc Print data = distance ;
run ;
```

The Print Procedure

The **Print Procedure** displays an input dataset in the Results Window. This particular Procedure doesn't have an output dataset.

In the example below, distance is the input dataset.

Example of the Print Property Powcoder.com

```
Proc Print data = distance ;
run ; Add WeChat powcoder
```

"Noobs" is an optional argument that can be used with Proc Print, that will suppress the printing of the observation number.

Example of the Print Procedure with the noobs argument included:

```
Proc Print data = distance noobs ;
run ;
```

Run statement

The **Run** statement instructs SAS to run the statements that precede it.

SAS recognizes the end of a Data Step or Procedure when it encounters either a Data Step, a Procedure, or a Run statement.

https://powcoder.com

Example with optional Run statement:

```
Data distance WeChat powcoder

Miles = 26.22;

Kilometers = 1.61 * Miles;

Proc Print data = distance;

run;
```

SAS recognizes the end of the Data Step when it encounters the keyword Proc. SAS recognizes the end of the Procedure when it encounters the Run statement.

Practice

Debug the code below:

Once the code has been fixed and executed, how many observations are in the resulting dataset? How many variables?

Readings

Textbook sections 1.3, 1.8, 1.9

Assignment Project Exam Help

https://powcoder.com

Add WeChat powcoder