CP5804: SAS Week 4 Collaborative Tutorial Session

Presented by Sisi





SAS Essentials

> Installation:

□ SAS University Edition: https://www.sas.com/en_au/software/university-edition/download-software.html

□ VirtualBox: https://www.virtualbox.org/wiki/Download_Old_Builds_5_2, (Tip: please download 5.2.X builds instead of the latest version)

- Weekly materials:
 - ☐ Assessments → SAS Self-Training Content
 - ☐ Assessments → Assessment 5 (SAS Coursework)





Troubleshooting VirtualBox

- ➤ Check if you have enabled VT-X in BIOS in startup. Could refer to the link for details: <a href="https://docs.fedoraproject.org/en-US/Fedora/13/html/Virtualization_Guide/sect-Virtualization-Troubleshooting-Enabling_Intel_VT_and_AMD_V_virtualization_hardware_extensions_in_BIOS.html;
- ▶ If VT-X is already enabled, check if Hyper_V is turned off. Try running the following in Command Prompt (Run): dism.exe /Online /Disable-Feature:Microsoft-Hyper-V. Could refer to the link for details:
 https://superuser.com/questions/1153470/vt-x-is-not-available-but-is-enabled-in-bios;
- ➤ If the issue still exists, possibly try using VMware instead of VirtualBox.





SAS Assessments

> Submission due:

Week 4 due on Wednesday of Week 5 (08/04/2020 11:59pm AEST) Week 5 due on Wednesday of Week 6 (15/04/2020 11:59pm AEST) Week 6 due on Wednesday of Week 7 (22/04/2020 11:59pm AEST) Week 7 non-graded





SAS Assessments

- ➤ Marking criteria (2/2):
 - ☐ For activity answer sheets less than or equal to 10 questions:
 - 0 not submitted or submit non-relevant results
 - 1 more than half, but all attempted
 - 1.5 more than 2, less than half
 - 2 less than 2 incorrect answer
 - ☐ For activity answer sheets more than 10 questions:
 - 0 not submitted or submit non-relevant results
 - 1 more than half, but all attempted
 - 1.5 more than 4, less than half
 - 2 less than 4 incorrect answer





SAS Help

- > Q&A for SAS
- ➤ Setup Instructions: Assessments → SAS Self-Training Content → Video Instructions for SAS Setup
- > Demo





➤ 10.01:
 □ PG_Ch10, page 15, slide 28;
 □ Program p110d02.

> 10.03:

☐ Hint: the keyword "descending" is placed before the variable to which it applies.

> 10.06:

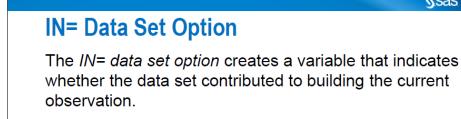
☐ Program **p110d07**.





> 10.07:

- ☐ PG_Ch10, page 62-63, slides 131-135;
- ☐ Program **p110d08**;
- O indicates that the data set did not contribute to the current observation;
- ☐ 1 indicates that the data set did contribute to the current observation.



MERGE SAS-data-set (IN=variable) ...

variable is a temporary numeric variable that has two possible values:

- Indicates that the data set did *not* contribute to the current observation.
- Indicates that the data set *did* contribute to the current observation.

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- **>** 11.05:
 - ☐ PG_Ch11, page 31, slide 63;
 - N Obs the number of observations with each unique combination of class variables;
 - □ N the number of observations with nonmissing values of the analysis variable (or variables).

Viewing the Output

Statistics are produced for each combination of values of the classification variables.

The MEANS Procedure Analysis Variable : Salary							
		N					
Gende	r Country	Obs	N	Mean	Std Dev	Minimum	Maximum
fffff	fffffffffff	fffffff:	fffffff:	fffffffffffff	ffffffffffff	ffffffffffff	ffffffffff
F	AU	27	27	27702.41	1728.23	25185.00	30890.00
	US	41	41	29460.98	8847.03	25390.00	83505.00
М	AU	36	36	32001.39	16592.45	25745.00	108255.00
	US	61	61	33336.15	29592.69	22710.00	243190.00

- N Obs the number of observations with each unique combination of class variables
- N the number of observations with nonmissing values of the analysis variable (or variables)

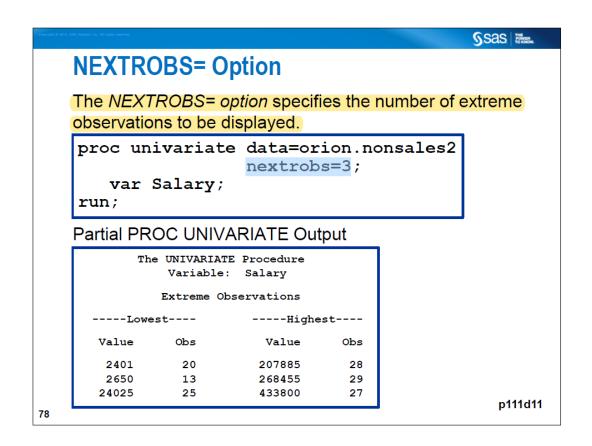
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Sas Power



➤ 11.06:
 □ PG_Ch11, page 38, slide 78;
 □ Sample: Program p111d11;
 □ Hint: not limit to this chapter, can be any SAS base procedure.

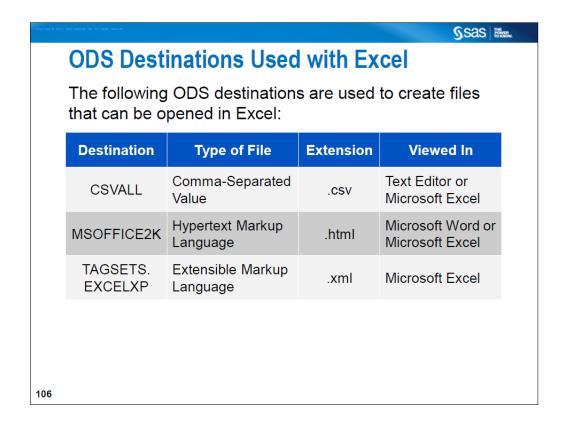






➤ 11.07:
 □ PG_Ch11, page 46-47, slides 92-94;
 □ Note: "\" is not an error.
 □ 11.08:
 □ PG_Ch11, page 52, slide 106;

☐ Sample: Program **p111d15**.







SAS Set Up for Weeks 5 and 6

➤ SAS Self-Training Content → Video Instructions for SAS Setup → SAS Set Up for Weeks 5 and 6

> Demo





2.03:
 Program s102a02;
 Copying or rephrasing the log is not enough, please provide brief explanation on why this log is generated.



