

# Resource Hub

## 01 / INTRODUCTION

1. Welcoming from the Course Author
2. Identifying Your SAS System Version and Other Useful Information for Your CV
3. Running your First Program in SAS® Studio and Getting Familiar with Your Programming Interface
4. Saving a Dataset Permanently and Understanding the Concepts of Member and Library
5. Understanding the Concepts of Global Statement, Data Step, Procedure, and so on

## 02 / METADATA & OTHER KEY CONCEPTS

1. Creating a Dataset and a View - Methods Overview
2. Listing Table and Variable Attributes
3. Adding Titles and Footnotes
4. Getting Familiar with Bit/Bytes, Hexadecimal Values and ASCII Table

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## 03 / DATA HANDLING 1

### 1. Dealing with SAS Date, SAS Time and SAS Datetime

today, date, time, datetime, mdy, hms, dhms, datepart, timepart,  
day, month, year, qtr, hour, minute, second

### 2. Discovering Common Functions , Series 1

sum, mean, min, max, n, nmiss, cmiss, missing, call missing, round, int, abs,  
mod, strip, cat/cats/catx, compbl, compress, transtrn, tranwrd, trimn, scan,  
substr/substrn, repeat, reverse

### 3. Discovering Common Functions , Series 2

put, input

## 04 / DATA HANDLING 2

### 1. Selecting Observations and Variables

### 2. Sorting Data and Managing Duplicates using proc sort

### 3. Creating a Counter using retain and Temporary Variables

## 05 / DATA HANDLING 3

### 1. Appending Several Datasets

### 2. Merging Several Datasets

## 06 / STATISTICS & GRAPHICS 1

### 1. proc means by Example

ceil, floor

### 2. Understanding Common Descriptive Statistics

### 3. Creating Your First Graph: Box-and-Whisper Plot

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## 07 / PROC SQL

1. Using proc sql with One Dataset
2. Using proc sql with Several Datasets

coalesce, coalescec

## 08 / MACRO LANGUAGE

1. Creating a Macro Variable and Displaying Its Value
2. Getting Familiar with a Few Macro Functions

pathname, %sysfunc, %eval, %sysevalf, %str, %nrstr, %quote, %cmpres, %upcase

3. Getting Started with Macros

## 09 / REPORTING 1

1. Using proc report with a Listing Destination

## 10 / DATA HANDLING 4

1. proc transpose by Example
2. Discovering Common Functions, Series 3

length/lengthc/lengthn, index/indexc/indexw, find/findc/findw,  
lag/dif, ifc/ifn, putc/putn, week/weekday, intnx, intck, yrdif, datdif

## 11 / EXTERNAL FILES 1

1. Generating a Text File using the file Statement
2. Reading a Text File using the infile Statement
3. Working with a Transport File

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## **12 / REPORTING 2**

1. Creating Reports using the Output Delivery System

## **13 / REPORTING 3**

1. Creating an Excel File using ods excel

resolve

## **14 / STATISTICS AND GRAPHICS 2**

1. proc freq by Example
2. Creating a Bar Chart using proc sgplot

## **15 / EXTERNAL FILES 2**

1. Exporting Data using Engine/proc export (xlsx/excel)
2. Importing Data using Engine/proc import (xlsx/excel)

## **16 / DATA HANDLING 5**

1. Arrays by Example

lbound,hbound, dim, dim2