**Errata for Carpenter’s Guide to Innovative SAS Techniques**

**Section 2.1.3, pp 42-43**

In each of the four text code boxes the `sodium>'142' becomes sodium>14.2`. *e.g.*

```sas
data labs(keep=subject visit labdate)
set
advrpt.lab_chemistry(rename=(labdt=labdate))
if sodium>14.2;
run;
```

**Section 2.9.5, p. 96**

Top of page; change length of sodium, potassium, and chloride from $12$ to $8$ (5\textsuperscript{th} line of the text box).

```sas
data _null_
length subject $3
visit 8
labdt 8
sodium potassium chloride 8;
declare hash chem (dataset:'advrpt.lab_chemistry', ordered:'Y')
chem.definekey ('subject','visit','labdt','sodium','potassium','chloride');
chem.definedata('subject','visit','labdt','sodium','potassium','chloride');
chem.definedone ()
call missing(subject,visit,labdt, sodium, potassium,chloride);
chem.output(dataset:'nodups');
run;
```

**Section 3.6.5, p. 150**

Middle to the bottom of the page.

The VNEXT routine can be especially helpful as it can return not only the variable’s name, but its type (numeric/character) and length as well. In addition it can be used to step through, one-at-a-time, all the variables (including temporary variables) in a data set.

```sas
data attrib(keep=name p_type p_len);
set advrpt.lab_chemistry;
retain name ' ' p_type ' ' p_len .;
call vnext(name,p_type,p_len);
output attrib;
stop;
run;
```

Here VNEXT is executed once so it will gather information on the first variable on the PDV

1. P\_TYPE will be used to store the type (N or C) of the variable read by VNEXT. The variable P\_LEN will hold the length of the variable.

2. In this example we are executing VNEXT once so VNEXT will retrieve only the attributes of the first variable on the PDV, which in this case is SUBJECT.

3. The attributes of the variable SUBJECT are stored.
Section 4.3, p. 192
The text in the code box is randomly bolded. There should be no bolding.

Section 4.4, p. 193
The symbols in the code box are corrupted.

| 1 |
| 2 |

```plaintext
title1 '4.4a Showing SORT Meta-data';
proc sort data=advrpt.lab_chemistry
  out=lab_chem noduplicates;
  by subject visit labdt;
run;
proc contents data=lab_chem;
run;
```

Section 5.1, p. 198
The 5.1 in the text box at the bottom of the page is bolded. Remove bolding.

```plaintext
... Code not shown ...
proc format;
  value $genlnk 1
    'M' = '#males'
    'F' = '#females';
run;
ods pdf anchor='master';
ods proclabel='Overall';
proc tabulate data=tabdat.clinics;
  class sex ;
  classlev sex/ style=(url=$genlnk. 2
    foreground=blue);
  var wt;
  table sex=' ',
    wt*(n median min max) / box='Gender';
run;
ods pdf anchor='males'; 3
ods proclabel='Males';
proc print data=tabdat.clinics;
  where sex='M'; 4
  var lname fname ht wt;
run;
... Code not shown ...
```

Section 11.4.4, p.351
The code box contains a couple of errors.

a) The word Master appears three times and should be lower case when it is associated with a link. It is OK to be capitalized in the title.

b) There is an extraneous character and a font change in TITLE2 at 5.

c) The format labels for #Males and #Females (lines 4 & 5 in the text box) 6 should be lowercase.