## PSTAT 130 Midterm2 (1hr 20mins) – Summer 2017

Name	Perm ID
	Firm that I will not use SAS, notes, books, cheat sheet, cell-phones and I will not cheat in T130 midterm Exam. (sign here)
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Multi	ple Choice Questions:
	/hich of the following is not true of PROC TABULATE?
(a)	Requires a comma between dimensions (i.e. rows, columns)
(b)	Can specify format as an option in the TABLE statement
(c)	Can use a WHERE statement
(d)	Allows labelling of variables
2. W	Thich procedure indicates, for each variable, the number of missing values?
(a)	PROC MEANS
(b)	PROC REPORT
(c)	PROC FREQ
(d)	PROC TABULATE
3. To	o convert a SAS data set into an .xls file, we can use
(a)	ods excel file='june.xls';
(b)	ods xls file='june.xls';
(c)	ods html file='june.xls';
(d)	All of the above
4. W	Thich of the following is an example of a name range list?
(a)	address-zip
(b)	addresszip
(c)	zip1-zip20
(d)	_character_
5. W	Thich of the following is not a valid comparison operator?
(a)	BTW
(b)	~=
(c)	GE
(d)	IN
6. Pl	ROC TABULATE
(a)	Allows for the formatting of multiple variables
(b)	Has a maximum of two dimensions
(c)	Uses the keyword ALL to generate overall information

7. Which of the following are case sensitive?

(d) All of the above

- (a) SAS variable names
- (b) SAS library names
- (c) SAS string comparisons
- (d) None are case sensitive
- 8. The SUM statement
  - (a) Takes the form of expression + variable
  - (b) Ignores missing values
  - (c) Creates the variable on the right side of the plus sign if it does not already exist
  - (d) A and C
- 9. Which of the following does not produce the same report?
  - (a) proc print data=cities noobs; var pop taxrate; run;
  - (b) proc report data=cities nowd; var pop taxrate; run;
  - (c) proc report data=cities nowd; column pop taxrate; run;
  - (d) All produce the same report
- 10. Which format produces dates of the form 10DEC2014?
  - (a) ddmmyy9.
  - (b) mmyydd9.
  - (c) yyddmm9.
  - (d) date9.

## **Programming Questions:**

libname mydata C:\data'

1. Without changing the structure of the program, find and fix the 10 errors. Assume the pointers controls are correct. Rewrite the correct program right to the previous program

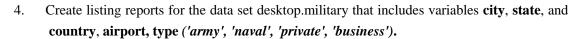
```
data=pioneers;
input firstname 10.
@12 lastname $10
@25 birthdate mmddyy9.;
datalines
Alan Turing 06/23/1912
Blaise Pascal 06/19/1623

fun;
PROC print ia.pioneers;
run;
```

2. Write a program reads in the SAS data set superbowl, located in the folder 'C:\Desktop\football'. This data set contains the team names (Team1, Team2), their respective scores (Score1, Score2), and the game date (GameDate). Write a program that creates a dataset, **results**, that determines for each game: the **year**, the **winner**, and the

(positive) **point difference (PtDiff**). The resulting data set should only contain these three variables.

- 3. using the data set desktop.salesbyday which includes variables **date**, **merchtype** and **sales**; to create report that
- Create a new variable called **day** to extract week day from **date**
- format **day** (the days of the week) as 1='Sunday', 2='Monday', 3='Tuesday', 4 = 'Wednesday', etc.
- displays the mean sales for **each day of the week** (day) by **merchant type** (merchtype).
- also include an overall mean sales for **each day of the week** (day).
- format the sales with a dollar signs, commas, and two decimal places.



- uses proc report
- displays variables **state**, **city**, **type**, **airport**
- only displays army and naval airports, hint: using where statement for **type** variable
- sorted by state, city
- set column width equal to 9 for variable state