



PROC REPORT: Next Steps

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Agenda

- Overview of aliases
- Overview of temporary variables
- Examples
 - 1) Displaying multiple statistics
 - 2) Changing values on summary rows
 - 3) Grouping with different formats
 - 4) Filling in GROUP/ORDER values
 - 5) Conditionally apply traffic lighting
 - 6) Calculating percentages within groups

Alias

- Created in COLUMN statement
- Restricted to certain combinations of usages
- Included in OUT= data set
- Initialized to missing on each row of the report

Alias Combinations

| Usage | Usage | |
|----------|----------|---|
| Group | Order | ✗ |
| Group | Across | ✗ |
| Group | Analysis | ✓ |
| Group | Display | ✗ |
| Order | Across | ✗ |
| Order | Analysis | ✓ |
| Order | Display | ✗ |
| Across | Analysis | ✓ |
| Across | Display | ✗ |
| Analysis | Display | ✓ |

*Each usage is valid with itself

Temporary Variable

- Created in compute block
- Assigned as character or numeric
- Not included in OUT= data set
- Retained automatically

Update Your Skills!

ELEMENTARY SCHOOL REPORT CARD

SCHOOL *Smelter*
PUPIL *Florence Wilson*
GRADE *7 B* YEAR-1944 19
TEACHER *Ruth Kaban*

| PERIODS | FIRST SEMESTER | | | | SECOND SEMESTER | | | | YEAR |
|--------------|----------------|-----|-----|-----|-----------------|-----|-----|-----|------|
| | 1ST | 2ND | 3RD | 4TH | 5TH | 6TH | 7TH | 8TH | |
| SUBJECTS | | | | | | | | | |
| DAYS PRESENT | 25 | 20 | | | 26 | 24 | | | |
| DAYS ABSENT | 2 | 1 | | | 5 | 2 | | | |
| TIMES TARDY | 0 | 1 | | | 0 | 0 | | | |
| EFFORT | B | B | B | | B | B | | | |
| ARITHMETIC | B | B | B | | B | B | | | B |
| ENGLISH | B | B | B | | B | B | | | B |
| READING | B | B | B | | B | B | | | B |
| SPELLING | | | | | | | | | |
| S. SCIENCE | | | | | | | | | |
| DRAWING | C | B | B | | B | B | | | B |
| PENMANSHIP | | | | | | | | | |
| HISTORY | | | | | | | | | |
| C. EVENTS | | | | | | | | | |

SYSTEM OF GRADING

A - 90-100
B - 80-90
C - 70-80
D - Below 70
1 D - Conditional pass.
More than 1 D retained in same grade.
All entries in red ink should receive immediate attention.

Resources



Report Writing 1: Essentials

<https://support.sas.com/edu/schedules.html?ctry=us&crs=RPT1>

Ask the Expert PROC REPORT: Getting Started

https://www.sas.com/en_us/webinars/proc-report/register.html

Learn PROC REPORT!

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Offices: Multiple Aircraft: Multiple Customer: Multiple

| Customer | Date | Trip No. | Flight Id. | Flight Type | Aircraft | Office | Route Flow |
|-------------------------------|------------|----------|------------|--------------------|----------|--------------|--|
| ACH Business Contract Billing | 24-01-2000 | 17500 | 312 | Customer Charter | VA-007 | Alto Springs | YB4 -> Y193 -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| | 25-01-2000 | 17500 | 311 | Customer Charter | VA-007 | Alto Springs | YB4S -> CRDA -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| | 27-01-2000 | 17500 | 320 | Customer Charter | VA-007 | Alto Springs | YB4S -> Y193 -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| | 28-01-2000 | 17500 | 326 | Customer Charter | VA-007 | Alto Springs | YB4S -> CRDA -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| | 29-01-2000 | 17500 | 325 | Customer Charter | VA-007 | Alto Springs | YB4S -> Y193 -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| | 30-01-2000 | 17500 | 327 | Customer Charter | VA-007 | Alto Springs | YB4S -> CRDA -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| | 30-01-2000 | 17500 | 341 | Customer Charter | VA-007 | Alto Springs | YB4S -> Y193 -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| | 30-01-2000 | 17500 | 347 | Customer Charter | VA-007 | Alto Springs | YB4S -> CRDA -> DE8K -> Y19K -> DE8K -> CRDA -> YB4S |
| ATL | 02-01-2000 | 8205 | 12000 | Customer Charter | VA-PVA | Durham | Y193 -> Y193 -> 000 -> YB4 -> ELR -> Y193 -> Y193 |
| ASIA | 15-01-2007 | 18880 | 12008 | Customer Charter | VA-P10 | Durham | Y193 -> Y193 |
| ADP | 16-01-2000 | 4828 | 88 | Customer Charter | VA-P89 | Alto Springs | YB4S -> YB4S -> YB4S |
| | 16-01-2000 | 4802 | 86 | Customer Charter | VA-P89 | Alto Springs | YB4S -> YB4S -> YB4S |
| | 16-01-2000 | 8203 | 152 | Customer Charter | VA-P89 | Alto Springs | YB4S -> YB4S -> YB4S |
| | 16-01-2000 | 8201 | 150 | Customer Charter | VA-P89 | Alto Springs | YB4S -> YB4S -> YB4S |
| Air Charter Network | 01-05-2000 | 7912 | 163 | Customer Charter | VA-LAC | Alto Springs | YB4S -> Y193 -> YB4S |
| | 08-03-2000 | 17500 | 348 | Customer Charter | VA-007 | Alto Springs | YB4S -> Y193 -> Y19K -> YB4S |
| Airline Aerial Photography | 20-05-2000 | 18905 | 11207 | Aerial Photography | VA-T08 | Durham | Y193 -> Y193 |
| Alliance Airlines | 20-05-2010 | 20748 | 21010 | Customer Charter | VA-D03 | Paris | Y19K -> Y19K -> Y19K -> Y19K |
| | 13-04-2011 | 20808 | 21000 | Customer Charter | VA-L00 | Paris | Y19K -> Y19K -> Y19K |
| | 13-04-2011 | 20800 | 21000 | Customer Charter | VA-L00 | Paris | Y19K -> Y19K -> Y19K |

