

Stump the Programmer #80

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Weighted Means

Both PROC REPORT and PROC MEANS support the WEIGHT statement to allow a single observation to represent several observations. PROC MEANS also supports the FREQ statement. How do these vary? For each of the data summarizations below what value will be displayed for N, MEAN, and MIN?

```
data wt;  
input wt score;  
datalines;  
1 10  
2 10  
0 2  
0 2  
run;
```

```
title report weight wt;  
proc report data=wt nowd;  
column score,(n mean min);  
weight wt;  
run;
```

```
title weight wt;  
proc means data=wt n mean min;  
var score;  
weight wt;  
run;
```

```
title freq wt;  
proc means data=wt n mean min;  
var score;  
freq wt;  
run;
```

```
title positive wt;  
proc means data=wt n mean min;  
var score;  
where wt>0;  
run;
```