

Homework 8-SOLUTIONS

1. Changing a Variable's Data Type

```
data US_converted (drop=cID nTelephone cBirthday);
  set orion.US_newhire
    (rename=(ID=cID Telephone=nTelephone
              Birthday=cBirthday));
  ID=input(compress(cID,'-'),15.);
  length Telephone $ 8;
  Telephone=cat(substr(put(nTelephone,7.),1,3),
                '-',substr(put(nTelephone,7.),4));
  Birthday = input(cBirthday,date9.);
run;

title 'US New Hires';
proc print data=US_converted noobs;
run;
title;

proc contents data=US_converted varnum;
run;
```

Part II

2. Calculating Statistics for Missing, Median, and Highest Values

```
data work.freqcustomers;
  set orion.orders_midyyear;
  if n(of month1-month6) >= 5;
  /* Alternative: if nmiss(of month1-month6) <= 1; */
  Month_Median=median(of month1-month6);
  Month_Highest=largest(1,of month1-month6);
  Month_2ndHighest=largest(2,of month1-month6);
run;

title 'Month Statistics on Frequent Customers';
proc print data=work.freqcustomers noobs;
run;
title;
```