# Hw10

# Ting Hu th19d

libname hw10 "/courses/d649d56dba27fe300/STA5066";  
/\* 1 \*/  
  
proc print data=hw10.shoes\_tracker;  
 where Product\_Category is missing   
 or Supplier\_Country not in ('GB','US');  
run;  
  
proc freq data=hw10.shoes\_tracker nlevels;  
 table Supplier\_ID Supplier\_Name;  
 run;  
  
proc print data= hw10.shoes\_tracker;  
 where Product\_Name NE propcase(Product\_Name);  
 run;  
   
data work.shoes\_tracker;  
set hw10.shoes\_tracker;  
Supplier\_Country = upcase(Supplier\_Country);  
 if Supplier\_Country ='UT' then   
 Supplier\_Country = 'US';  
 if Product\_Category = ' ' then   
 Product\_Category = 'Shoes';  
 if Supplier\_ID = . then   
 Supplier\_ID = 2963;  
 if Supplier\_Name = '3op Sports' then  
 Supplier\_Name ='3Top Sports';  
 if \_N\_ = 4 then   
 Product\_ID = 220200300079;  
 if Product\_ID = 2202003001290 then   
 Product\_ID = 220200300129;  
 if \_N\_ = 3 then   
 Product\_Name = Propcase(Product\_Name);  
 if Supplier\_Name = '3Top Sports' and Supplie\_ID = 14682  
 then Supplier\_Name = 'Green Sports Ltd';  
run;

/\* 2 \*/  
data work.qtr2 ;  
 set hw10.qtr2\_2007;  
run;   
  
proc print data=work.qtr2;  
 where Delivery\_Date < Order\_Date  
 or Order\_Date not between '01APR2007'd and '30JUN2007'd;  
 run;  
  
proc freq data=work.qtr2 nlevels;  
 tables Order\_ID Order\_Type;  
 run;  
  
proc freq data=work.qtr2 nlevels;  
 table Order\_ID;  
 run;

proc print data= work.qtr2;  
 where Order\_Type not in (1,2,3);  
 run;  
  
data work.qtr2;  
set work.qtr2;  
 if Order\_ID = 1242012259 then Delivery\_Date = '12MAY2007'd;  
 if Order\_ID = 1242449327 then Order\_Date = '26JUN2007'd;  
 if \_n\_ =18 then Order\_ID = 1241895587;  
 if \_n\_= 19 then Order\_ID = 1241895564;  
 if \_n\_ = 2 then Order\_Type = 3;  
 if \_n\_ = 10 then Order\_Type = 3;   
run;

/\* 3 \*/  
  
proc contents data=hw10.price\_current;run;  
  
proc print data= hw10.price\_current;  
 where Unit\_Cost\_Price=.   
 or Unit\_Sales\_Price=.   
 or Factor=.;  
 run;  
   
proc means data= hw10.price\_current  
 n nmiss min max;  
 var Unit\_Cost\_Price Unit\_Sales\_Price Factor;  
 run;  
  
ods select extremeobs missingvalues;  
proc univariate data=hw10.price\_current;  
 var Unit\_Sales\_Price Factor;  
 run;  
  
data work.price\_current;  
 set hw10.price\_current;  
 if Product\_ID = 220200200022 then  
 Unit\_Sales\_Price = 57.30;  
 if Product\_ID = 240200100056 then  
 Unit\_Sales\_Price = 41.2;  
 if \_n\_ = 14 then Factor = 1.0;  
 if \_n\_ = 170 then Factor = 1.02;  
 if \_n\_ = 134 then Factor = 1.0;  
run;  
  
/\* 4 \*/  
proc contents data=hw10.labsub1;run;  
  
proc means data= hw10.labsub1;  
 var hgp htp tcp tgp lcp hdp fbpsi crp sgp urp;  
 run;  
  
data work.labsub2;  
 set hw10.labsub1;  
 if HGP in (8, 88, 888, 8888, 88888) then  
 HGP=.;  
 if HTP in (88, 888, 8888, 88888) then  
 HTP=.;  
 if TCP in (88, 888) then  
 TCP=.;  
 if TGP in (88, 888, 8888) then  
 TGP=.;  
 if LCP in (88, 888) then  
 LCP=.;  
 if HDP in (8, 88, 888) then  
 HDP=.;  
 if FBPSI in (8, 88, 888, 8888) then  
 FBPSI=.;  
 if CRP in (8, 88, 888, 8888, 88888) then  
 CRP=.;  
 if SGP in (88, 888)then  
 SGP=.;  
 if URP in (8, 88, 888, 8888, 88888)then  
 URP=.;  
 run;  
proc means data= work.labsub2;  
 var hgp htp tcp tgp lcp hdp fbpsi crp sgp urp;  
 run;