

```

*;
*;
* HBAT - Two-Sample T-Test and Univariate Examples;
*;
*;
ods graphics on;
*;
options ls=80 ps=50 nodate pageno=1;
*;
Title 'HBAT - Two-Sample T-Test';
*;
* Input HBAT ;
*;
Data HBAT;
Infile 'N:\BIA652D_Multivariate Data Analytics_2016_Fall\Class_04_Chap
2\HBAT_tabs.txt' DLM = '09'X TRUNCOVER;
Input ID X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15 X16 X17 X18 X19
X20 X21 X22 X23;
*;
Data HBAT;
Set HBAT (Keep = ID X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15
X16 X17 X18 X19 X20 X21 X22 X23);
Label ID = 'ID - Identification Number'
      X1 = 'X1 - Customer Type'
      X2 = 'X2 - Industry Type'
      X3 = 'X3 - Firm Size'
      X4 = 'X4 - Region'
      X5 = 'X5 - Distribution System'
      X6 = 'X6 - Product Quality'
      X7 = 'X7 - E-Commerce'
      X8 = 'X8 - Technical Support'
      X9 = 'X9 - Complaint Resolution'
      X10 = 'X10 - Advertizing'
      X11 = 'X11 - Product Line'
      X12 = 'X12 - Salesforce Image'
      X13 = 'X13 - Competitive Pricing'
      X14 = 'X14 - Warranty & Claims'
      X15 = 'X15 - New Products'
      X16 = 'X16 - Order & Billing'
      X17 = 'X17 - Price Flexibility'
      X18 = 'X18 - Delivery Speed'
      X19 = 'X19 - Satisfaction'
      X20 = 'X20 - Likelihood of Recommendation'
      X21 = 'X21 - Likelihood of Future Purchase'
      X22 = 'X22 - Current Purchase/Usage Level'
      X23 = 'X23 - Consider Strategic Alliance/Partnership in Future';
*;
*;
Data HBAT;
Set HBAT;
*;
Proc Print Data = HBAT;
*;
* HBAT - Univariate;
*;
Proc Univariate Data = HBAT;
Var X19 X20;

```

```

*;
* HBAT - Two-Sample T-Test;
*;
Proc TTest Data = HBAT;
    Class X3;
    Var X19 X20;
*;
*;
* HBAT - ANOVA;
*;
Proc ANOVA Data = HBAT;
    Class X3;
    Model X19 = X3;
*;
Proc ANOVA Data = HBAT;
    Class X3;
    Model X20 = X3;
*;
*;
* HBAT - REG;
*;
Proc REG Data = HBAT;
    Model X19 = X3;
*;
Proc REG Data = HBAT;
    Model X20 = X3;
*;
*    ods graphics off;
*;
*;
Run;
Quit;

```