Using the SWIID in Stata

Frederick Solt
Associate Professor of Political Science
University of Iowa
frederick-solt@uiowa.edu

Test. Johnson and Shipp (1997)

0.0.1 Descriptive Statistics

A simple example.

```
. sysuse auto
(1978 Automobile Data)

. generate gpm = 1/mpg

. summarize price gpm

    Variable |        Obs        Mean    Std. Dev.        Min         Max
-------------+--------------------------------------------------------------
       price |         74    6165.257    2949.496        3291       15906
         gpm |         74    .0501928    .0127986    .0243902    .0833333


>  . regress price gpm

      Source |       SS           df       MS      Number of obs   =        74
-------------+----------------------------------   F(1, 72)        =     35.95
       Model |  211486574            1   211486574   Prob > F        =    0.0000
    Residual |  423578822           72   5883039.19   R-squared       =    0.3330
-------------+----------------------------------   Adj R-squared   =    0.3238
       Total |  635065396           73   8699525.97   Root MSE        =    2425.5


------------------------------------------------------------------------------
       price |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         gpm |     132990   22180.86     6.00   0.000     88773.24    177206.7
```

```
        _cons |  -509.8827    1148.469     -0.44    0.658     -2799.314    1779.548
------------------------------------------------------------------------------
```

References

Johnson, David, and Stephanie Shipp. 1997. "Trends in Inequality Using Consumption-Expenditures: The U.s. from 1960 to 1993." *Review of Income and Wealth* 43(2):133–152.