CODEBOOK FOR REPLICATION DATA SET:
price_series_data.dta

Pathways to Smallholder Food and Water Security: Climate Variability in the Context of Multiple Livelihood Hazards

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Data format: Stata data set (v. 14)
Last saved: 11 Mar 2020 10:11

Data structure: Monthly time series running from 2000 to 2018.

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-------------------------------------------------------------------------------
mt                                                                Month and year
-------------------------------------------------------------------------------

                  type:  numeric monthly date (float)

                 range:  [480,699]                    units:  1
       or equivalently:  [2000m1,2018m4]              units:  months
         unique values:  220                     missing .:  0/220

                  mean:     589.5 = 2009m2 (+ 15 days)
             std. dev:   63.6527

          percentiles:        10%       25%       50%       75%       90%
                            501.5     534.5     589.5     644.5     677.5
                          2001m10    2004m7    2009m2    2013m9    2016m6
```

```
-------------------------------------------------------------------------------
mm                                                  Month of year (1 = Jan etc)
-------------------------------------------------------------------------------

                  type:  numeric (float)

                 range:  [1,12]                       units:  1
         unique values:  12                       missing .:  0/220

                  mean:   6.42727
             std. dev:   3.47321

           percentiles:        10%       25%       50%       75%       90%
                                 2         3         6         9        11
```

```
-------------------------------------------------------------------------------
yy                                                                       Year
-------------------------------------------------------------------------------

                  type:  numeric (float)

                 range:  [2000,2018]                 units:  1
         unique values:  19                       missing .:  0/220

                  mean:   2008.67
             std. dev:    5.3072

           percentiles:        10%       25%       50%       75%       90%
                              2001      2004      2009      2013      2016
```

```
-------------------------------------------------------------------------------
OtherMilds                  Price of green coffee, Other Milds, U.S. cents per pound
-------------------------------------------------------------------------------

                  type:  numeric (double)

                 range:  [52.93,300.12]               units:  .01
         unique values:  332                      missing .:  1/340

                  mean:   129.375
             std. dev:   53.0572

           percentiles:        10%       25%       50%       75%       90%
                            64.85     84.31     124.2    158.48    201.26
```

```
-------------------------------------------------------------------------------
p_w_nica_beansred_real        Real wholesale price of red beans Managua (cordoba/kg)
-------------------------------------------------------------------------------

                  type:  numeric (float)

                 range:  [10.97,46.23]                units:  .01
         unique values:  195                      missing .:  9/220

                  mean:   20.8514
             std. dev:   6.79986

           percentiles:        10%       25%       50%       75%       90%
                            14.53     16.38     18.82      23.1     30.63


Source: FAO, downloaded 5/18/2018 from:
       http://www.fao.org/giews/food-prices/tool/public/#/dataset/domestic
```

```
-------------------------------------------------------------------------------
p_w_nica_maize_real       Real wholesale price of maize (white) Managua (cordoba/kg)
-------------------------------------------------------------------------------

                  type:  numeric (float)

                 range:  [3.67,14.83]                 units:  .01
         unique values:  180                      missing .:  9/220

                  mean:   6.82972
             std. dev:    1.9127

           percentiles:        10%       25%       50%       75%       90%
                              4.86      5.51      6.59      7.61      9.08


Source: FAO, downloaded 5/18/2018 from:
       http://www.fao.org/giews/food-prices/tool/public/#/dataset/domestic
```

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tt_beansred_coffee_jf Price ratio red beans to coffee, index 100 = Jan 2010

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type:	numeric (float)		
range:	[64.31105,314.99738]	units:	1.000e-06
unique values:	179	missing .:	9/220
mean:	144.991		
std. dev:	52.275		

percentiles:	10%	25%	50%	75%	90%
	87.5777	106.839	136.955	170.131	212.018

Sources: Wholesale price of red beans Managua from FAO, downloaded 5/18/2018 from:
http://www.fao.org/giews/food-prices/tool/public/#/dataset/domestic
International price of coffee (other milds) from ICO, downloaded 5/18/2018 from:
http://www.ico.org/new_historical.asp

Price ratio is monthly price of beans relative to mean price of coffee at time of most recent harvest, mean of january and February.

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tt_maize_coffee_jf Price ratio maize to coffee, index 100 = Jan 2010

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type:	numeric (float)		
range:	[57.419422,243.65338]	units:	1.000e-06
unique values:	139	missing .:	9/220
mean:	128.896		
std. dev:	39.8033		

percentiles:	10%	25%	50%	75%	90%
	81.1792	99.7024	124.783	154.017	188.649

Sources: Wholesale price of maize (white) Managua from FAO, downloaded 5/18/2018 from:
http://www.fao.org/giews/food-prices/tool/public/#/dataset/domestic
International price of coffee (other milds) from ICO, downloaded 5/18/2018 from:
http://www.ico.org/new_historical.asp

Price ratio is monthly price of maize relative to mean price of coffee at time of most recent harvest, mean of january and February.