Replication of Miguel 2004 Civil Conflict and Economic Shock

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Civil Conflict

```
## # A tibble: 16 x 1
##      Type
##     <dbl>
##  1      3
##  2      3
##  3      3
##  4      3
##  5      3
##  6      3
##  7      3
##  8      3
##  9      3
## 10      3
## 11      3
## 12      3
## 13      3
## 14      3
## 15      3
## 16      3

## New names:
## Rows: 41 Columns: 4
## -- Column specification
## ------------------------------------------------------- Delimiter: "," chr
## (2): StateAbb, StateNme dbl (2): ...1, CCode
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

Merge data

```
## New names:
## Rows: 850 Columns: 84
## -- Column specification
## ------------------------------------------------------- Delimiter: "," chr
## (5): country.x, country.y, cname, casename, waryrs dbl (79): ...1, ccode, year,
## GPCP, GPCP_L, GPCP_L2, GPCP_G, GPCP_G_L, GPCP_G...
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
## # A tibble: 10 x 3
##     year country.x ccode
##    <dbl> <chr>     <dbl>
##  1  1990 Namibia     565
##  2  1991 Namibia     565
##  3  1992 Namibia     565
##  4  1993 Namibia     565
##  5  1994 Namibia     565
##  6  1995 Namibia     565
##  7  1996 Namibia     565
##  8  1997 Namibia     565
##  9  1998 Namibia     565
## 10  1999 Namibia     565
```

Dependent variable:

GDP_G

(1)

(2)

(3)

(4)

(5)

GPCP_G

0.055***

0.054***

0.051***

0.046***

0.053***

(0.014)

(0.015)

(0.015)

(0.018)

(0.014)

GPCP_G_L

0.041***

0.040***

0.037**

0.034**

0.038***

(0.015)

(0.015)

(0.015)

2

(0.016)

(0.015)

Y_0

-1.102

(1.034)

polity2l

-0.0002

(0.001)

ethfrac

-0.357

(4.973)

relfrac

7.028

(6.300)

Oil

-0.024

(0.030)

lmtnest

-0.509

(0.774)

lpopl1

-0.014

(0.030)

GPCP_G_FL

-0.007

(0.016)

TOT_100_G

-0.0003

(0.016)

Constant

-0.007**

-2.827

0.008

0.008

0.008

(0.003)

(4.084)

(0.016)

(0.016)

(0.015)

Country-specific time trend

No

Yes

No

No

No

Country fixed effect

No

No

Yes

Yes

Yes

Observations

744

744

744

744

662

R2

0.022

0.076

0.124

0.124

0.147

Adjusted R2

0.019

0.010

0.015

0.014

0.038

Residual Std. Error

0.070 (df = 741)

0.070 (df = 694)

0.070 (df = 661)

0.070 (df = 660)

0.064 (df = 586)

F Statistic

8.224*** (df = 2; 741)

1.159 (df = 49; 694)

1.142 (df = 82; 661)

1.130 (df = 83; 660)

1.350** (df = 75; 586)

Note:

*p<0.1; **p<0.05;* p<0.01

Economic Growth Rate, t

Table 4: OLS VERSUS 2SLS

```
##
## \begin{table}[!htbp] \centering
##   \caption{}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lccccccc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{7}{c}{\textit{Dependent variable:}} \\
## \cline{2-8}
## \\[-1.8ex] & \multicolumn{6}{c}{ANY\_PRIO} & WAR\_PRIO \\
## \\[-1.8ex] & \textit{probit} & \multicolumn{3}{c}{\textit{OLS}} & \multicolumn{2}{c}{\textit{instrume
##  & \textit{} & \multicolumn{3}{c}{\textit{}} & \multicolumn{2}{c}{\textit{variable}} & \textit{variab
## \\[-1.8ex] & (1) & (2) & (3) & (4) & (5) & (6) & (7)\\
## \hline \\[-1.8ex]
##  Y\_0 & $-$0.341$^{*}$ & $-$0.071$^{*}$ & 14.905 &  & 13.999 &  &  \\
##   & (0.202) & (0.041) & (11.408) &  & (11.926) &  &  \\
##   & & & & & & & \\
##  polity2l & 0.014 & 0.003 & 0.001 &  & 0.001 &  &  \\
##   & (0.018) & (0.004) & (0.005) &  & (0.005) &  &  \\
##   & & & & & & & \\
##  ethfrac & 0.591 & 0.160 & 81.383 &  & 80.272 &  &  \\
##   & (0.856) & (0.267) & (51.948) &  & (51.288) &  &  \\
##   & & & & & & & \\
##  relfrac & $-$0.816 & $-$0.185 & 30.850 &  & 35.806 &  &  \\
##   & (0.955) & (0.254) & (61.972) &  & (63.130) &  &  \\
##   & & & & & & & \\
##  Oil & 0.382 & 0.145 & $-$0.030 &  & $-$0.026 &  &  \\
##   & (0.658) & (0.196) & (0.073) &  & (0.079) &  &  \\
##   & & & & & & & \\
##  lmtnest & 0.249$^{*}$ & 0.073$^{*}$ & 4.909 &  & 4.578 &  &  \\
##   & (0.128) & (0.038) & (6.913) &  & (7.026) &  &  \\
```

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```
##   & & & & & & & \\
## lpop1 & 0.179 & 0.040 & 0.299 &  & 0.288 &  &  \\
##   & (0.178) & (0.050) & (0.258) &  & (0.255) &  &  \\
##   & & & & & & & \\
## GDP\_G & $-$1.359 & $-$0.384 & $-$0.570$^{***}$ & $-$0.328$^{*}$ & $-$0.046 & $-$0.084 & $-$0.138 \\
##   & (1.202) & (0.290) & (0.220) & (0.178) & (0.814) & (0.873) & (0.494) \\
##   & & & & & & & \\
## GDP\_G\_L & $-$0.759 & $-$0.194 & $-$0.302$^{*}$ & $-$0.078 & $-$1.394$^{*}$ & $-$1.433$^{*}$ & 0.2: \\
##   & (0.940) & (0.241) & (0.173) & (0.121) & (0.817) & (0.871) & (0.539) \\
##   & & & & & & & \\
## year & 0.007 & 0.002 &  &  &  &  &  \\
##   & (0.024) & (0.006) &  &  &  &  &  \\
##   & & & & & & & \\
## Constant & $-$2.466$^{**}$ & $-$0.192 & $-$92.453$^{**}$ & 0.108$^{***}$ & $-$93.688$^{**}$ & 0.104$
##   & (1.148) & (0.312) & (40.788) & (0.002) & (40.248) & (0.008) & (0.005) \\
##   & & & & & & & \\
## \hline \\[-1.8ex]
## Country-speci c time trend & No & No & Yes & No & Yes & No & No \\
## Country fixed effect & No & No & No & Yes & No & Yes & Yes \\
## \hline \\[-1.8ex]
## Observations & 743 & 743 & 743 & 743 & 743 & 743 & 743 \\
## R$^{2}$ &  & 0.114 & 0.592 & 0.734 & 0.551 & 0.683 & 0.726 \\
## Adjusted R$^{2}$ &  & 0.102 & 0.563 & 0.700 & 0.520 & 0.644 & 0.692 \\
## Log Likelihood & $-$359.625 &  &  &  &  &  &  \\
## Akaike Inf. Crit. & 741.250 &  &  &  &  &  &  \\
## Residual Std. Error &  & 0.403 (df = 732) & 0.281 (df = 693) & 0.233 (df = 660) & 0.295 (df = 693) &
## F Statistic &  & 9.430$^{***}$ (df = 10; 732) & 20.505$^{***}$ (df = 49; 693) & 22.156$^{***}$ (df =
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{7}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
## \end{tabular}
## \end{table}
```

Table 3

```
##
## \begin{table}[!htbp] \centering
##   \caption{}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & ANY\_PRIO & WAR\_PRIO \\
## \\[-1.8ex] & (1) & (2)\\
## \hline \\[-1.8ex]
##  GPCP\_G & $-$0.003 & $-$0.048 \\
##   & (0.057) & (0.029) \\
##   & & \\
##  GPCP\_G\_L & $-$0.064 & $-$0.027 \\
##   & (0.047) & (0.033) \\
##   & & \\
```

```
##  Constant & 0.106$^{***}$ & 0.054$^{***}$ \\
##   & (0.002) & (0.001) \\
##   & & \\
## \hline \\[-1.8ex]
## Country-speci c time trend & Yes & Yes \\
## Country fixed effect & Yes & Yes \\
## \hline \\[-1.8ex]
## Observations & 770 & 770 \\
## R$^{2}$ & 0.699 & 0.699 \\
## Adjusted R$^{2}$ & 0.663 & 0.663 \\
## Residual Std. Error (df = 687) & 0.251 & 0.193 \\
## F Statistic (df = 82; 687) & 19.426$^{***}$ & 19.430$^{***}$ \\
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{2}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
## \end{tabular}
## \end{table}
```

table c1

Country	Total Years	Years of Civil Conflict 25 Deaths (PRIO/Uppsala)	Years of Civil Conflict 1,000 Deaths (PRIO/Uppsala)
Angola	19	19	16
Benin	19	0	0
Botswana	19	0	0
Burkina Faso	19	1	0
Burundi	19	8	1
Cameroon	19	1	0
Central African Republic	19	0	0
Chad	19	17	9
Congo, Brazzaville	19	5	2
Congo, Kinshasa	18	3	2
Cote d'Ivoire	19	0	0
Djibouti	11	1	0
Ethiopia	19	15	11
Gabon	19	0	0
Gambia	19	1	0
Ghana	19	2	0
Guinea	19	0	0
Guinea-Bissau	19	2	1
Kenya	19	1	0
Lesotho	19	1	0
Liberia	11	3	1
Madagascar	19	0	0
Malawi	19	0	0
Mali	19	2	0
Mauritania	19	0	0
Mozambique	19	12	12
Namibia	10	0	0
Niger	19	4	0
Nigeria	19	0	0

Country	Total Years	Years of Civil Conflict 25 Deaths (PRIO/Uppsala)	Years of Civil Conflict 1,000 Deaths (PRIO/Uppsala)
Rwanda	19	8	3
Senegal	19	7	0
Sierra Leone	19	9	2
Somalia	11	11	3
South Africa	19	8	6
Sudan	18	16	14
Swaziland	19	0	0
Tanzania	19	0	0
Togo	19	2	0
Uganda	19	17	10
Zambia	19	0	0
Zimbabwe	19	0	0
Total	744	176	93