

Democracy, Dictatorship, and Infant Mortality Revisited

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The following is the batch file used by the authors to run their statistics using Limdep software. (Information on Limdep can be found at www.limdep.com.) The description of the variables appears in the print version of the article, published in the July 2003 issue of the *Journal of Democracy*.

```
read; file="C:\My Documents\datavirtual\przeworski\tvsets.xls"; format=xls; names $
read; file="C:\My Documents\datavirtual\przeworski\pato.xls"; format=xls; names $
read; file="C:\My Documents\datavirtual\przeworski\thomasa.xls"; format=xls; names $

sample; all $
reject; year < 1985 $
DSTAT;Rhs=aid,
AGRIGDP,AGRIGROW,BIRTHC,CONTRAC,NEWSP,LFAGRF,LFINDF,LFSEVVF
,EXPSTUS,FERTILT,FINFOR,FDINET,GDPPPP,GOVC,SAVDOM,HEALTHC,HLTHPPP,HOSBED
,ILLITF,ILLIT,IMMUNDPT,IMMUNMEA,INTERNET,LFF,LFAGR,LFCHILD,LAND,LIFEFE,LIFE
M
,LIFE,LOWEIGHT,MALHGH,MALWGHT,MILGOV,MILGNP$
```

```
Title; ***** $
TITLE; ***** REPRODUCING JOFDEMOCRACY ARTICLE (1985-97) ***** $
```

```
TITLE; ***** REJECT MISSING VALUES ***** $
SAMPLE; ALL $
REJECT; YEAR < 1985 $
REJECT; IMR < 0 $
DSTAT; RHS= IMR, levelwb $
```

```
TITLE; REJECT MISSING FOR XREG ***** $
REJECT; NEWC < 0 $
REJECT; BRITCOL < 0 $
REJECT; CATH < 0 $
REJECT; PROT < 0 $
REJECT; MOSLEM < 0 $
REJECT; STRA < 0 $
REJECT; ODWP < 0 $
REJECT; levelWB < 0 $
REJECT; FERTIL < 0 $
REJECT; pop < 0 $
REJECT; lfpw < 0 $
REJECT; aid < -1 $
```

REJECT; fdinet < -50 \$
REJECT; IMMUNDPT < 0 \$
REJECT; levelWB < 0 \$

DSTAT; RHS= levelWB, stra, newc, britcol, religion, cath, prot, moslem, odwp \$

DSTAT; RHS= ONE,
FERTIL,
pop,
lfpw,
aid,
fdinet,
immundpt,
levelWB \$

NAME; XIMR= one,
FERTIL,
pop,
lfpw,
aid,
fdinet,
IMMUNDPT,
levelWB \$

REGRESS; LHS=IMR;RHS=XIMR,REG \$

NAME; XREG = one, LEVELWB, NEWC, BRITCOL, CATH, PROT, MOSLEM, STRA, ODWP \$

CALC; LIST; KXIMR=COL(XIMR) \$

TITLE; ***** PROBIT WITH SELECTION ***** \$

PROBIT; LHS= REG ;RHS= XREG ;HOLD(IMR=LAMBDA) \$

TITLE; ***** HECKMAN TWO-STEP METHOD ***** \$

TITLE; ***** OLS FOR DICTATORSHIPS ***** \$

sample; all \$
reject; year < 1985 \$
reject; IMR < 0 \$
reject; levelwb < 0 \$
REJECT; NEWC < 0 \$
REJECT; BRITCOL < 0 \$
REJECT; CATH < 0 \$

REJECT; PROT < 0 \$
REJECT; MOSLEM < 0 \$
REJECT; STRA < 0 \$
REJECT; ODWP < 0 \$
REJECT; REG=0 \$
REJECT; FERTIL < 0 \$
REJECT; pop < 0 \$
REJECT; lfpw < 0 \$
REJECT; aid < -1 \$
REJECT; fdinet < -50 \$
REJECT; IMMUNDPT < 0 \$
REJECT; levelWB < 0 \$

CREATE; CL=COUNTRY [-1] \$ (lags country)
CREATE; IF (CL # COUNTRY) FLAGD=1 \$
CREATE; IF (CL # COUNTRY) FLAGA=0 \$

CREATE; IF (FLAGA=-999) FLAG1=0; ELSE FLAG1=FLAGA \$
CREATE; IF (FLAGD=-999) FLAG2=0; ELSE FLAG2=FLAGD \$
CREATE; FLAGN=FLAGA+FLAGD \$
REJECT; FLAGN=1 \$

REGRESS; LHS=IMR; RHS=XIMR,LAMBDA; AR1 \$

MATRIX; BAUT=PART(B,1,KXIMR) \$

TITLE; ***** OLS FOR DEMOCRACIES ***** \$

sample; all \$
reject; year < 1985 \$
reject; IMR < 0 \$
reject; levelwb < 0 \$
REJECT; NEWC < 0 \$
REJECT; BRITCOL < 0 \$
REJECT; CATH < 0 \$
REJECT; PROT < 0 \$
REJECT; MOSLEM < 0 \$
REJECT; STRA < 0 \$
REJECT; ODWP < 0 \$
REJECT; REG=1 \$
REJECT; FERTIL < 0 \$
REJECT; pop < 0 \$
REJECT; lfpw < 0 \$
REJECT; aid < -1 \$
REJECT; fdinet < -50 \$
REJECT; IMMUNDPT < 0 \$
REJECT; levelWB < 0 \$

```

CREATE;    CL=COUNTRY [-1] $ (lags country)
CREATE;    IF (CL # COUNTRY) FLAGA=1 $
CREATE;    IF (CL # COUNTRY) FLAGD=0 $

CREATE;    IF (FLAGA=-999) FLAG1=0; ELSE FLAG1=FLAGA $
CREATE;    IF (FLAGD=-999) FLAG2=0; ELSE FLAG2=FLAGD $
CREATE;    FLAGN=FLAGA+FLAGD $
REJECT;    FLAGN=1 $

REGRESS;   LHS=IMR; RHS=XIMR,LAMBDA; AR1 $

MATRIX;    BDEM=PART(B,1,KXIMR) $

TITLE; ***** CALCULATE UNBIASED VALUES ***** $

```

```

sample; all $
reject; year < 1985 $
reject; IMR < 0 $
reject; levelwb < 0 $
REJECT; NEWC < 0 $
REJECT; BRITCOL < 0 $
REJECT; CATH < 0 $
REJECT; PROT < 0 $
REJECT; MOSLEM < 0 $
REJECT; STRA < 0 $
REJECT; ODWP < 0 $
REJECT; FERTIL < 0 $
REJECT; pop < 0 $
REJECT; lfpw < 0 $
REJECT; aid < -1 $
REJECT; fdinet < -50 $
REJECT; IMMUNDPT < 0 $
REJECT; levelWB < 0 $
REJECT;    FLAGN=1 $

```

```

CREATE;    IMR1 = DOT(XIMR,BAUT) $ (IMR1 is IMR under dic)
CREATE;    IMR0 = DOT(XIMR,BDEM) $ (IMR0 is IMR under dem)
CREATE;    DIMR=IMR1-IMR0 $ (DIMR is the difference)
DSTAT;    RHS=IMR1,IMR0,DIMR $

```

```

TITLE; *****TEMPORARY CALCULATIONS ***** $

```

```

SAMPLE; ALL $
REJECT; YEAR < 1990 $

```

REJECT; IMR < 0 \$
DSTAT; RHS= IMR, levelwb, reg \$

PLOT;Lhs=REG;Rhs=LEVELWB\$
PLOT;Lhs=REG;Rhs=IMR\$
PLOT;Lhs=LEVELWB;Rhs=IMR\$

TITLE; ***** RESULTS IN SELECTED COUNTRIES ***** \$
LIST; country, YEAR, IMR, IMR1, IMR0, FILE \$

reject; country # 120 \$ PORTUGAL
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 120 \$
REJECT; COUNTRY # 110 \$ GREECE
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 110 \$
REJECT; COUNTRY # 122 \$ SPAIN
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 122 \$
REJECT; COUNTRY # 71 \$ ECUADOR
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 71 \$
REJECT; COUNTRY # 74 \$ PERU
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 74 \$
REJECT; COUNTRY # 67 \$ BOLIVIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 67 \$
REJECT; COUNTRY # 66 \$ ARGENTINA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 66 \$
REJECT; COUNTRY # 76 \$ URUGUAY
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 76 \$
REJECT; COUNTRY # 68 \$ BRAZIL
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 68 \$
REJECT; COUNTRY # 59 \$ HONDURAS
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 59 \$

REJECT; COUNTRY # 55 \$ EL SALVADOR
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 55 \$
REJECT; COUNTRY # 57 \$ GUATEMALA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 57 \$
REJECT; COUNTRY # 61 \$ MEXICO
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 61 \$
REJECT; COUNTRY # 154 \$ CUBA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 154 \$
REJECT; COUNTRY # 80 \$ INDIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 80 \$
REJECT; COUNTRY # 125 \$ TURKEY
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 125 \$
REJECT; COUNTRY # 94 \$ PHILIPINES
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 94 \$
REJECT; COUNTRY # 87 \$ SOUTH KOREA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 87 \$
REJECT; COUNTRY # 93 \$ PAKISTAN
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 93 \$
REJECT; COUNTRY # 111 \$ HUNGARY
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 111 \$
REJECT; COUNTRY # 119 \$ POLAND
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 119 \$
REJECT; COUNTRY # 173 \$ RUSSIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 173 \$
REJECT; COUNTRY # 155 \$ CZECH REPUBLIC
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 121 \$
REJECT; COUNTRY # 111 \$ ROMANIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 121 \$
REJECT; COUNTRY # 119 \$ POLAND
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 119 \$
REJECT; COUNTRY # 159 \$ ESTONIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 159 \$
REJECT; COUNTRY # 166 \$ LATVIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 166 \$
REJECT; COUNTRY # 168 \$ LITHUANIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 168 \$
REJECT; COUNTRY # 103 \$ BULGARIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 103 \$
REJECT; COUNTRY # 86 \$ JORDAN
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 86 \$
REJECT; COUNTRY # 90 \$ MONGOLIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 86 \$
REJECT; COUNTRY # 69 \$ CHILE
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 69 \$
REJECT; COUNTRY # 63 \$ PANAMA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 63 \$
REJECT; COUNTRY # 62 \$ NICARAGUA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 62 \$
REJECT; COUNTRY # 172 \$ NAMIBIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 172 \$
REJECT; COUNTRY # 35 \$ SENEGAL
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 35 \$
REJECT; COUNTRY # 44 \$ TUNISIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 44 \$
REJECT; COUNTRY # 1 \$ ALGERIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 1 \$
REJECT; COUNTRY # 14 \$ EGYPT
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 14 \$
REJECT; COUNTRY # 33 \$ NIGERIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 33 \$
REJECT; COUNTRY # 39 \$ SOUTH AFRICA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 39 \$
REJECT; COUNTRY # 79 \$ CHINA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

include; country # 79 \$
reject; country # 33 \$ NIGERIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 33 \$
REJECT; COUNTRY # 81 \$ INDONESIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 81 \$
REJECT; COUNTRY # 35 \$ SENEGAL
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 35 \$
REJECT; COUNTRY # 37 \$ SIERRA LEONE
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 37 \$
REJECT; COUNTRY # 40 \$ SUDAN
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 40 \$
REJECT; COUNTRY # 45 \$ UGANDA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 45 \$
REJECT; COUNTRY # 47 \$ ZAMBIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 47 \$
REJECT; COUNTRY # 48 \$ ZIMBABWE
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 48 \$
REJECT; COUNTRY # 83 \$ IRAQ
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 83 \$
REJECT; COUNTRY # 89 \$ MALAYSIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 89 \$
REJECT; COUNTRY # 90 \$ MONGOLIA
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 90 \$
REJECT; COUNTRY # 91 \$ MYANMAR
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

INCLUDE; COUNTRY # 91 \$
REJECT; COUNTRY # 97 \$ SINGAPORE
LIST; YEAR, REG, IMR, IMR1, IMR0; FILE \$

SAMPLE; ALL \$
REJECT; YEAR < 1987 \$
REJECT; IMR < 0 \$
REJECT; REG # 1 \$
LIST; country, YEAR, IMR, IMR1, IMR0, FILE \$

TITLE; ***** STRATIFY BY LEVEL OF DEVELOPMENT ***** \$

SAMPLE; all \$
Reject; year < 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb < 0 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; all \$
reject; year < 1989 \$

REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb < 0 \$
reject; levelwb > 1999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year < 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb <2000 | levelwb >2999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year < 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb <3000 | levelwb >3999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year < 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb <4000 | levelwb >4999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year < 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb <5000 | levelwb > 5999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year < 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb <6000 \$
dstat; RHS=IMR; str=reg \$

TITLE; ***** STRATIFY BY LEVEL OF DEVELOPMENT ***** \$

SAMPLE; all \$
Reject; year > 1989 \$
REJECT; IMR < 0 \$

REJECT; IMR = 0 \$
reject; levelwb < 0 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; all \$
reject; year > 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; levelwb < 0 \$
reject; level > 1999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year > 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; level <2000 | level >2999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year > 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; level <3000 | level >3999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year > 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; level <4000 | level >4999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year > 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; level <5000 | level > 5999 \$
dstat; RHS=IMR; str=reg \$

SAMPLE; ALL \$
reject; year > 1989 \$
REJECT; IMR < 0 \$
REJECT; IMR = 0 \$
reject; level <6000 \$
dstat; RHS=IMR; str=reg \$