Graph Appendix 1: Differences in over and under VAC (vac %-battle%)

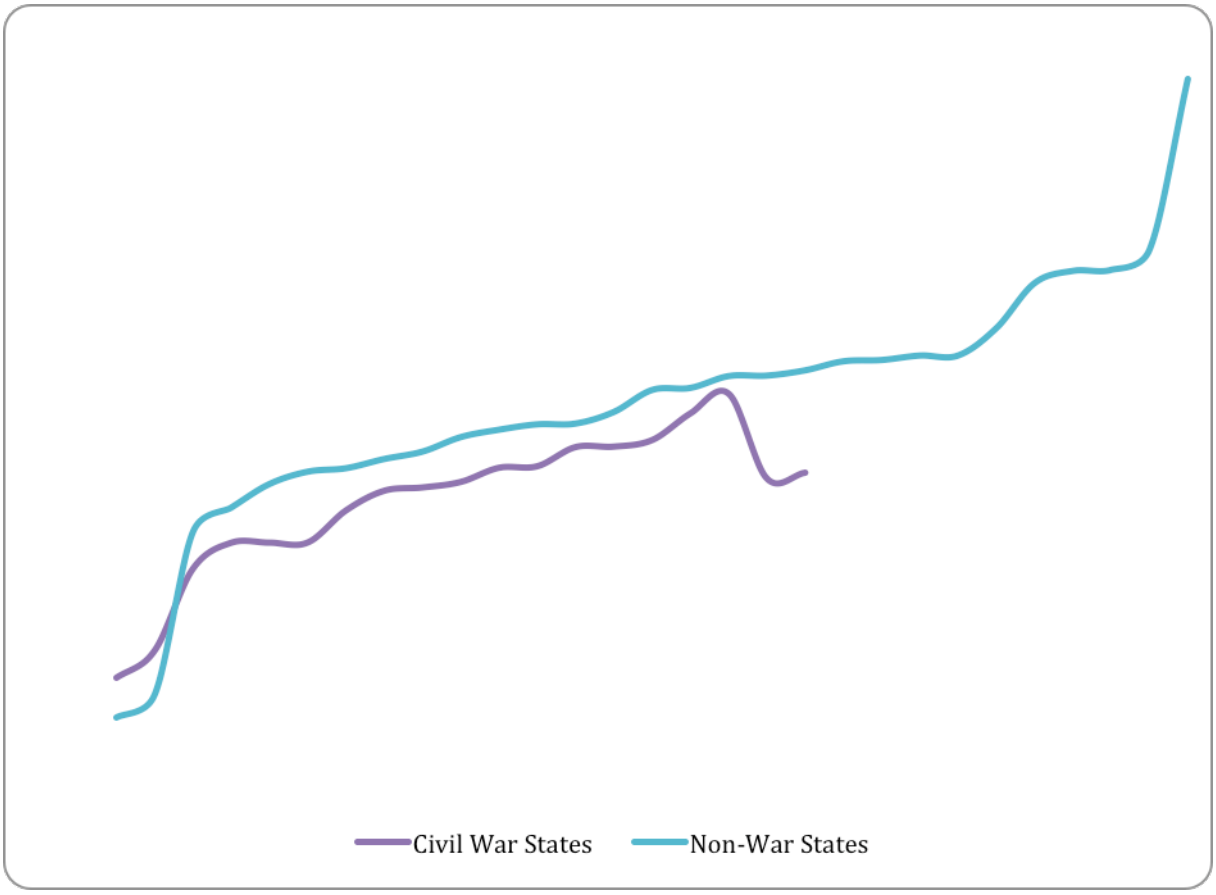
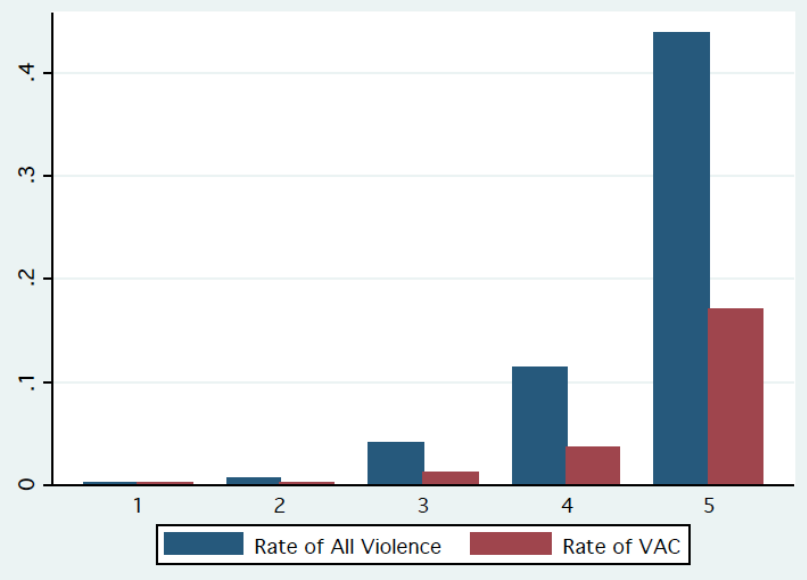


Table Appendix1: Co-occurrence Rates of Battles and VAC

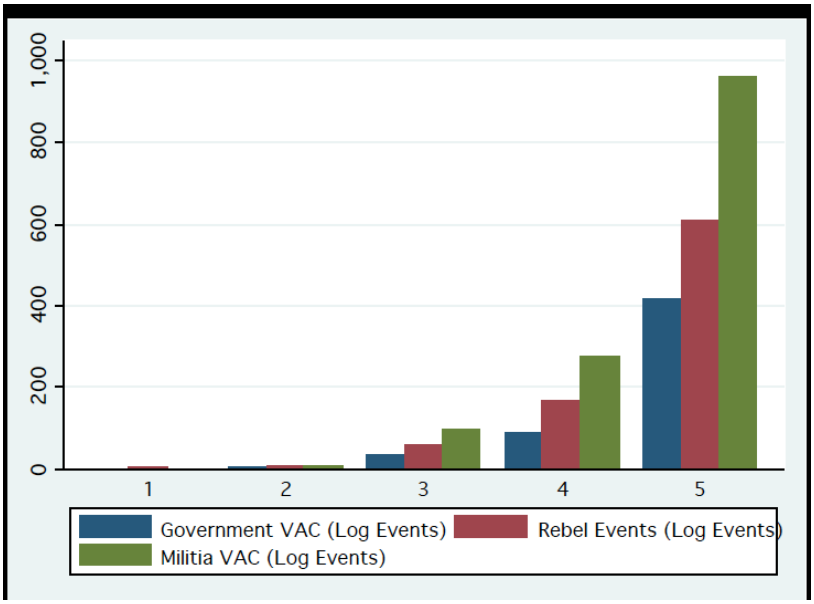
Direct Overlap		Locations (6027)	Region 2 (1193)	Region 1 (427)
	12-27	13%	34%	57%
	17-27	4%	14%	34%
	27-37	5%	21%	37%
	17-37	4%	18%	41%
Number Corrletions				
	12-27	.57***	.72***	.74***
	17-27	.38***	.53***	.46***
	27-37	.45***	.57***	.51***
	17-37	.52***	.69***	.59***
Proportion Correlation				
	12-27	-.35***	-.05	-.12*
	17-27	-.15***	-.15***	-.22***
	27-37	-.21***	-.23***	-.24***

	17-37	-.08***	-.09**	.06

Graph 3: Rate of VAC to All Violence



Graph 4: VAC by Actor Logged Over Population Quintiles



Graph 5: VAC by Actor Summed Over Population Quintiles

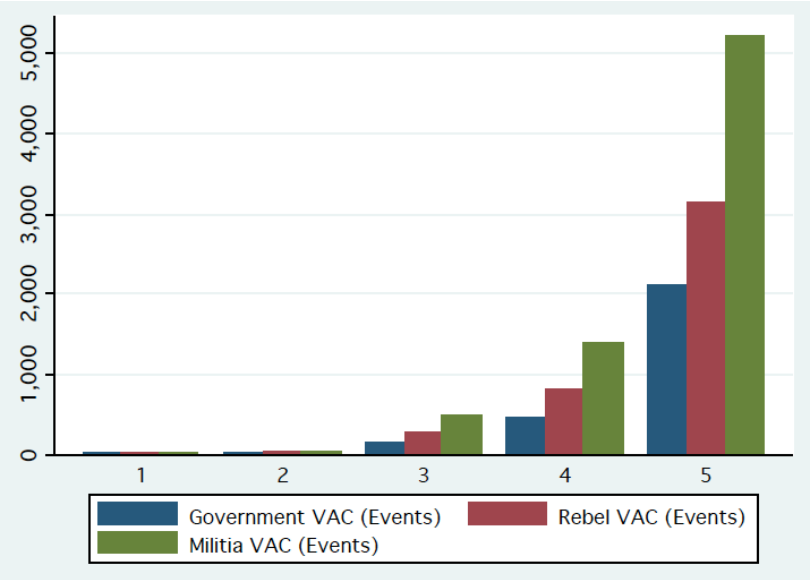


Table 2: Logistic Results for Static Geography

```
43 . logistic all_gov_vac urban10 logpop2005 diamondarea

Logistic regression                                     Number of obs   =     258233
                                                        LR chi2(3)      =    2486.69
                                                        Prob > chi2     =     0.0000
Log likelihood = -6351.3772                             Pseudo R2       =     0.1637

------------------------------------------------------------------------------
  all_gov_vac | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
      urban10 |   5.643792   .4016234    24.32   0.000     4.909054    6.488498
    logpop2005 |   1.746822   .0307777    31.66   0.000     1.687528    1.808199
   diamondarea |   1.522907   .2170113     2.95   0.003     1.151805    2.013576
------------------------------------------------------------------------------

44 . logistic all_reb_vac urban10 logpop2005 diamondarea

Logistic regression                                     Number of obs   =     258233
                                                        LR chi2(3)      =    2986.53
                                                        Prob > chi2     =     0.0000
Log likelihood = -8489.0465                             Pseudo R2       =     0.1496

------------------------------------------------------------------------------
  all_reb_vac | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
      urban10 |   5.572784   .3435444    27.87   0.000     4.938537    6.288486
    logpop2005 |   1.664343    .024485    34.63   0.000     1.617038    1.713031
   diamondarea |   1.654329   .1957722     4.25   0.000     1.311871    2.086184
------------------------------------------------------------------------------

45 . logistic all_mil_vac urban10 logpop2005 diamondarea

Logistic regression                                     Number of obs   =     258233
                                                        LR chi2(3)      =    3931.57
                                                        Prob > chi2     =     0.0000
Log likelihood = -10964.916                             Pseudo R2       =     0.1520

------------------------------------------------------------------------------
  all_mil_vac | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
      urban10 |   5.052346   .2737549    29.90   0.000     4.543304    5.618422
    logpop2005 |   1.692536   .0216357    41.17   0.000     1.650657    1.735476
   diamondarea |   1.630493   .1690925     4.71   0.000     1.330589    1.997993
------------------------------------------------------------------------------
```

Table 3: Dynamic VAC by Region1

```
54 . logistic type4VAC vac1 vac2 vac3 vac3

note: vac3 dropped because of collinearity

Logistic regression                                     Number of obs   =       7666
                                                        LR chi2(3)      =     302.42
                                                        Prob > chi2     =     0.0000
Log likelihood = -4632.9391                             Pseudo R2       =     0.0316

------------------------------------------------------------------------------
   type4VAC | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------+---------------------------------------------------------------
       vac1 |   1.737836   .1116072     8.61   0.000     1.532297    1.970945
       vac2 |   1.532663   .1011271     6.47   0.000     1.346738    1.744255
       vac3 |    1.51575   .1017155     6.20   0.000     1.328945    1.728813
------------------------------------------------------------------------------
```

Table 4: Dynamic VAC by Region2

```
152 . logistic type4VAC vac1 vac2 vac3 vac3

    note: vac3 dropped because of collinearity

    Logistic regression                             Number of obs   =       6372
                                                    LR chi2(3)      =     200.26
                                                    Prob > chi2     =     0.0000
    Log likelihood = -3651.2606                     Pseudo R2       =     0.0267

------------------------------------------------------------------------------
    type4VAC | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        vac1 |   1.739179   .1205651     7.98   0.000     1.518226    1.992288
        vac2 |   1.476174   .1042536     5.51   0.000     1.285352    1.695325
        vac3 |   1.299879   .0916767     3.72   0.000     1.132062    1.492573
------------------------------------------------------------------------------
```

Table 5: Dynamic VAC by Location

```
250 . logistic type4VAC vac1 vac2 vac3 vac3

    note: vac3 dropped because of collinearity

    Logistic regression                             Number of obs   =      13281
                                                    LR chi2(3)      =     309.93
                                                    Prob > chi2     =     0.0000
    Log likelihood = -8844.3885                     Pseudo R2       =     0.0172

------------------------------------------------------------------------------
    type4VAC | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        vac1 |   2.073383   .1398303    10.81   0.000     1.816661    2.366384
        vac2 |   1.568897   .1121782     6.30   0.000     1.363742    1.804913
        vac3 |   1.361144   .0976393     4.30   0.000     1.182618    1.566619
------------------------------------------------------------------------------
```

Table 6: Regression for Regional _actors

```
. regress actor2cntd ethnic_no_cntd

      Source |       SS       df       MS              Number of obs =     813
-------------+------------------------------           F(  1,   811) =  171.36
       Model |  17126.7837     1  17126.7837           Prob > F      =  0.0000
    Residual |  81058.6923   811  99.9490658           R-squared     =  0.1744
-------------+------------------------------           Adj R-squared =  0.1734
       Total |  98185.476    812  120.918074           Root MSE      =  9.9975

------------------------------------------------------------------------------
  actor2cntd |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
ethnic_no_~d |    5.113205   .3906112    13.09   0.000     4.346477    5.879933
       _cons |    .3581925   .6422635     0.56   0.577    -.9025023    1.618887
------------------------------------------------------------------------------
```