Statistics/Data analysis

```
      name:  <unnamed>
       log:  C:\Users\Walter\Dropbox\Indian PM Travel Study\Final Version to Upload\No
> n Resident PM.smcl
  log type:  smcl
 opened on:  25 Sep 2024, 11:11:52

1 . import delimited "C:\Users\Walter\Dropbox\Indian PM Travel Study\Data\India VIP Trav
> el Dataset (ISQ).csv", numericc(2/150)
(66 vars, 5,383 obs)

2 . xtset cowid year
       panel variable:  cowid (unbalanced)
        time variable:  year, 1992 to 2019
                delta:  1 unit

3 . **Table 4_Base Model**

4 .
5 . eststo clear

6 .
7 . logistic pm_vis_bi_logit lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln lag
> _oilreservesln lag_indalign g7 rpower g7 lag_unemp13 lag_inflation13 lag_lnkcombc g
> enelec F.genelec lag_nri_ln polity hrts rao deve_gowda singh vajpayee modi neighbor
> na ce cwa ea eurasia ew esa gulf ior ocean sea wana lag_pm_vis_bi_logit lag2_pm_vis_
> bi_logit lag_eam_vis_bi_logit lag2_eam_vis_bi_logit, vce(cluster cowid) coef

Logistic regression                             Number of obs     =      4,036
                                                Wald chi2(39)     =     827.09
                                                Prob > chi2       =     0.0000
Log pseudolikelihood = -570.10101               Pseudo R2         =     0.2729

                                      (Std. Err. adjusted for 161 clusters in cowid
> )
------------------------------------------------------------------------------
             |               Robust
pm_vis_bi_logit |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval
> ]
-------------+----------------------------------------------------------------
      lag_mil_expln |   .0167541   .0283889     0.59   0.555    -.0388871    .072395
> 3
    lag_indarms_inln |   .0324964   .0200646     1.62   0.105    -.0068296    .071822
> 3
       lag_indexp13 |   .3800482   .1114117     3.41   0.001     .1616853    .598411
> 1
        lag_gdppcln |    .193491   .0655344     2.95   0.003     .0650459     .32193
> 6
  lag_oilreservesln |    .009416   .0103356     0.91   0.362    -.0108414    .029673
> 3
       lag_indalign |  -.3648199   .2067916    -1.76   0.078    -.7701241    .040484
> 2
                 g7 |   1.503326   .4517366     3.33   0.001     .6179382    2.38871
> 3
             rpower |   1.259035    .288325     4.37   0.000     .6939282    1.82414
> 1
                g77 |   .1541545   .3026565     0.51   0.611    -.4390413    .747350
> 4
        lag_unemp13 |   .5267285    2.75662     0.19   0.848    -4.876148    5.92960
> 5
    lag_inflation13 |   .0572463   .2356705     0.24   0.808    -.4046594    .519151
> 9
       lag_lnkcombc |   .0852415   .2217655     0.38   0.701    -.3494109     .51989
> 4
                    |
            genelec |
                --. |  -.7961198   .3988791    -2.00   0.046    -1.577909    -.01433
> 1
                F1. |   .2438572   .2256998     1.08   0.280    -.1985062    .686220
> 7
```

lag_nri_ln	.0203179	.0243127	0.84	0.403	-.0273342	.067969
polity	-.0039361	.0181788	-0.22	0.829	-.0395658	.031693
hrts	-.0448514	.1012575	-0.44	0.658	-.2433124	.153609
rao	.3940013	.620423	0.64	0.525	-.8220054	1.61000
deve_gowda	.2196765	.8706427	0.25	0.801	-1.486752	1.92610
singh	.2771283	.8549125	0.32	0.746	-1.398469	1.95272
vajpayee	.0699083	.7362182	0.09	0.924	-1.373053	1.5128
modi	1.648086	1.101866	1.50	0.135	-.511532	3.80770
neighbor	3.063208	.6185898	4.95	0.000	1.850794	4.27562
na	.9469656	.6939548	1.36	0.172	-.4131608	2.30709
ce	.3158605	.8063857	0.39	0.695	-1.264626	1.89634
cwa	.1137391	.7518328	0.15	0.880	-1.359826	1.58730
ea	2.132426	.6807616	3.13	0.002	.7981573	3.46669
eurasia	2.588387	.6773632	3.82	0.000	1.260779	3.91599
ew	1.682421	.6945378	2.42	0.015	.3211515	3.0436
esa	1.778442	.625072	2.85	0.004	.5533235	3.00356
gulf	.8107119	.8514718	0.95	0.341	-.8581422	2.47956
ior	2.855108	.909569	3.14	0.002	1.072385	4.6378
ocean	.2337328	.8554328	0.27	0.785	-1.442885	1.9103
sea	2.709767	.6108033	4.44	0.000	1.512615	3.9069
wana	1.396745	.6847011	2.04	0.041	.0547555	2.73873
lag_pm_vis_bi_logit	-.876813	.2593799	-3.38	0.001	-1.385188	-.368437
lag2_pm_vis_bi_logit	-.0202299	.2566665	-0.08	0.937	-.523287	.482827
lag_eam_vis_bi_logit	.2472781	.2088965	1.18	0.237	-.1621515	.656707
lag2_eam_vis_bi_logit	.43713	.2357237	1.85	0.064	-.0248801	.8991
_cons	-9.246288	6.006038	-1.54	0.124	-21.01791	2.52532

```
8 .
9 . eststo
  (est1 stored)
```

```
10.
11. logistic eam_vis_bi_logit lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln la
  > g_oilreservesln lag_indalign g7 rpower g77 lag_unemp13 lag_inflation13 lag_lnkcombc
  > genelec F.genelec lag_nri_ln polity hrts rao deve_gowda singh vajpayee modi neighbor
  >  na ce cwa ea eurasia ew esa gulf ior ocean sea wana lag_eam_vis_bi_logit lag2_eam_v
  > is_bi_logit lag_pm_vis_bi_logit lag2_pm_vis_bi_logit, vce(cluster cowid) coef

Logistic regression                             Number of obs     =      4,036
                                                Wald chi2(39)     =    1018.08
                                                Prob > chi2       =     0.0000
Log pseudolikelihood = -745.19602               Pseudo R2         =     0.2655

                                              (Std. Err. adjusted for 161 clusters in cowid
  > )
------------------------------------------------------------------------------
  _
    eam_vis_bi_logit |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval
  > ]
-----------------------------------------------------------------------------
  _
       lag_mil_expln |   .0271906    .020168     1.35   0.178     -.012338    .066719
  > 2
     lag_indarms_inln |   .0131341    .020699     0.63   0.526    -.0274352    .053703
  > 5
        lag_indexp13 |   .5225281   .1164241     4.49   0.000     .2943412    .750715
  > 1
         lag_gdppcln |    .099226   .0690168     1.44   0.151    -.0360444    .234496
  > 3
    lag_oilreservesln |   .0040931   .0099909     0.41   0.682    -.0154887    .023674
  > 8
        lag_indalign |   .0407171   .1452549     0.28   0.779    -.2439772    .325411
  > 5
                  g7 |   1.175423   .3807317     3.09   0.002     .4292025    1.92164
  > 3
              rpower |   1.255864   .3312474     3.79   0.000     .6066305    1.90509
  > 7
                 g77 |  -.4412291   .2750024    -1.60   0.109    -.9802238    .097765
  > 6
         lag_unemp13 |   5.123281   2.322349     2.21   0.027     .5715597    9.67500
  > 2
      lag_inflation13 |  -.1632603   .1496363    -1.09   0.275    -.4565422    .130021
  > 5
        lag_lnkcombc |  -.2466602   .1460282    -1.69   0.091    -.5328702    .039549
  > 9
                     |
              genelec |
                  --. |   .0504522   .2090927     0.24   0.809     -.359362    .460266
  > 4
                  F1. |   .6746228   .1962313     3.44   0.001     .2900166    1.05922
  > 9
                     |
           lag_nri_ln |   .0291529   .0198964     1.47   0.143    -.0098433    .068149
  > 1
               polity |  -.0393078   .0155339    -2.53   0.011    -.0697537   -.008861
  > 9
                 hrts |  -.0576437   .0943654    -0.61   0.541    -.2425965    .127309
  > 1
                  rao |   1.919126   1.158949     1.66   0.098    -.3523726    4.19062
  > 4
         deve_gowda |   2.793032   1.205527     2.32   0.021      .430243    5.15582
  > 2
               singh |   3.136894   1.248001     2.51   0.012     .6908579    5.58293
  > 1
             vajpayee |   2.916335   1.106938     2.63   0.008     .7467755    5.08589
  > 4
                modi |   2.543587   1.388618     1.83   0.067    -.1780538    5.26522
  > 8
            neighbor |   3.649246   .4392296     8.31   0.000     2.788372     4.5101
  > 2
                  na |  -.7532559   .6644575    -1.13   0.257    -2.055569    .549056
  > 9
```

```
                    ce |  -.0175709   .4836398    -0.04   0.971    -.9654876    .930345
> 7
                   cwa |  -1.931044   1.066213    -1.81   0.070    -4.020783    .158693
> 9
                    ea |   .9605259   .5300043     1.81   0.070    -.0782635    1.99931
> 5
              eurasia |   1.346625   .5219454     2.58   0.010     .3236307    2.36961
> 9
                    ew |   .5198346   .4886231     1.06   0.287    -.4378491    1.47751
> 8
                   esa |   .6558684   .4645175     1.41   0.158    -.2545692    1.56630
> 6
                  gulf |   .4973313   .5501058     0.90   0.366    -.5808563    1.57551
> 9
                   ior |    1.72461   .8652364     1.99   0.046     .0287777    3.42044
> 2
                 ocean |   .2007776   .5196453     0.39   0.699    -.8177085    1.21926
> 4
                   sea |   2.138811   .4788239     4.47   0.000     1.200333    3.07728
> 8
                  wana |   1.326026   .5531883     2.40   0.017     .2417966    2.41025
> 5
 lag_eam_vis_bi_logit |  -.5610228   .2569331    -2.18   0.029    -1.064602   -.057443
> 2
lag2_eam_vis_bi_logit |   .0788564   .2228962     0.35   0.724    -.3580121     .51572
> 5
  lag_pm_vis_bi_logit |   -.006262   .2790993    -0.02   0.982    -.5532867    .540762
> 6
 lag2_pm_vis_bi_logit |  -.1826468   .2701689    -0.68   0.499     -.712168    .346874
> 4
                 _cons |  -15.94435   5.388901    -2.96   0.003     -26.5064   -5.38229
> 6
----------------------+-------------------------------------------------------------
  _
```

12.
13. eststo
  (**est2** stored)

14.
15. esttab using BaseModel.csv, replace compress n se aic b(%9.3f) se(%9.3f) star(+ 0.10
> * 0.05 ** 0.01 *** 0.001)
  estout using `"BaseModel.csv"' ,
   cells(b(fmt(%9.3f) star) se(fmt(%9.3f) par))
   stats(N aic, fmt(%18.0g %9.3f) labels(`"N"' `"AIC"'))
   starlevels(+ 0.10 * 0.05 ** 0.01 *** 0.001)
   begin(`"=""'')
   delimiter(`"",=""')
   end(`"""')
   prehead(`""')
   posthead("")
   prefoot("")
   postfoot(`""' `"="Standard errors in parentheses""' `"="@starlegend""')
   varlabels(, end("" "") nolast)
   mlabels(, depvar)
   numbers
   collabels(none)
   eqlabels(, begin("" "") nofirst)
   interaction(" # ")
   notype
   level(95)
   style(esttab)
   replace
  (note: file BaseModel.csv not found)
  (output written to BaseModel.csv)

```
16.
17.
18.
19. **Table 6_ Alignment model***

20.
21. eststo clear

22.
23. logistic pm_vis_bi_logit lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln lag
  > _oilreservesln lag_indalign g7 rpower g77 lag_unemp13 lag_inflation13 lag_lnkcombc g
  > enelec F.genelec lag_nri_ln polity hrts unsanctions lag_usarms_outln usdefense ussan
  > c russanc chisanc lag_rusarms_outln rusdefense lag_chiarms_outln lag_usalign lag_rus
  > align lag_chialign rao deve_gowda vajpayee singh modi neighbor na ce cwa ea eurasia
  > ew esa gulf ior ocean sea wana lag_pm_vis_bi_logit lag2_pm_vis_bi_logit lag_eam_vis_
  > bi_logit lag2_eam_vis_bi_logit, vce(cluster cowid) coef

Logistic regression                             Number of obs     =      3,982
                                                Wald chi2(51)     =    1350.35
                                                Prob > chi2       =     0.0000
Log pseudolikelihood = -528.31158               Pseudo R2         =     0.2673

                                      (Std. Err. adjusted for 159 clusters in cowid
> )
------------------------------------------------------------------------------
  _
     pm_vis_bi_logit |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval
> ]
-----------------------------------------------------------------------------
  _
       lag_mil_expln |   .0118864   .0295592     0.40   0.688    -.0460486    .069821
> 3
     lag_indarms_inln |  -.0071978   .0171601    -0.42   0.675    -.0408309    .026435
> 4
       lag_indexp13 |     .38169   .1400303     2.73   0.006     .1072357    .656144
> 3
        lag_gdppcln |   .1650084   .0732735     2.25   0.024     .0213951    .308621
> 8
    lag_oilreservesln |   .0252474   .0113185     2.23   0.026     .0030635    .047431
> 3
       lag_indalign |  -.5122489   .4506604    -1.14   0.256    -1.395527    .371029
> 2
                 g7 |   1.457546   .4450485     3.28   0.001     .5852673    2.32982
> 5
             rpower |    1.17541   .3853686     3.05   0.002     .4201014    1.93071
> 8
                g77 |   .1470206   .3809183     0.39   0.700    -.5995656    .893606
> 8
        lag_unemp13 |   .3257546   3.204276     0.10   0.919    -5.954511     6.6060
> 2
     lag_inflation13 |   .1041639    .248675     0.42   0.675    -.3832301    .591557
> 9
        lag_lnkcombc |   .0475368   .2562428     0.19   0.853    -.4546898    .549763
> 4
                     |
             genelec |
                --. |  -.8083261   .4331899    -1.87   0.062    -1.657363    .040710
> 6
                F1. |   .1120859   .2570463     0.44   0.663    -.3917156    .615887
> 3
                     |
          lag_nri_ln |   .0408048   .0301145     1.35   0.175    -.0182184    .099828
> 1
              polity |  -.0182667   .0228479    -0.80   0.424    -.0630477    .026514
> 3
                hrts |  -.0610931   .1129523    -0.54   0.589    -.2824755    .160289
> 3
        unsanctions |  -1.186205   .4985571    -2.38   0.017    -2.163359    -.20905
> 1
     lag_usarms_outln |   .0009081   .0138798     0.07   0.948    -.0262957     .02811
> 2
```

usdefense	-.6563697	.3492763	-1.88	0.060	-1.340939	.028199
ussanc	-.7375105	.3705251	-1.99	0.047	-1.463726	-.011294
russanc	.1300279	.4426112	0.29	0.769	-.7374741	.997529
chisanc	.1389342	.6932981	0.20	0.841	-1.219905	1.49777
lag_rusarms_outln	-.0302809	.0222747	-1.36	0.174	-.0739385	.013376
rusdefense	.8679824	.6147128	1.41	0.158	-.3368325	2.07279
lag_chiarms_outln	.0122625	.0163176	0.75	0.452	-.0197194	.044244
lag_usalign	-.0244764	.2547268	-0.10	0.923	-.5237317	.474778
lag_rusalign	.5220542	.2000248	2.61	0.009	.1300128	.914095
lag_chialign	.2528648	.5024088	0.50	0.615	-.7318383	1.23756
rao	.0567019	.6974976	0.08	0.935	-1.310368	1.42377
deve_gowda	-.3403708	1.079512	-0.32	0.753	-2.456176	1.77543
vajpayee	.1376412	.7984839	0.17	0.863	-1.427358	1.70264
singh	.2556175	.9709254	0.26	0.792	-1.647361	2.15859
modi	1.686915	1.255485	1.34	0.179	-.773791	4.14762
neighbor	2.227053	.7245508	3.07	0.002	.80696	3.64714
na	.1439449	.7826208	0.18	0.854	-1.389964	1.67785
ce	-.4094848	.998168	-0.41	0.682	-2.365858	1.54688
cwa	-.6677837	.8627898	-0.77	0.439	-2.358821	1.02325
ea	2.172903	.7021019	3.09	0.002	.7968083	3.54899
eurasia	.7809511	.915854	0.85	0.394	-1.01409	2.57599
ew	1.625659	.7115259	2.28	0.022	.2310943	3.02022
esa	1.240701	.7495814	1.66	0.098	-.2284512	2.70985
gulf	-.5664252	1.095609	-0.52	0.605	-2.713779	1.58092
ior	2.227916	1.030211	2.16	0.031	.2087392	4.24709
ocean	-.3811241	.932453	-0.41	0.683	-2.208698	1.4464
sea	1.834411	.7149282	2.57	0.010	.4331775	3.23564
wana	.2342676	.8207489	0.29	0.775	-1.374371	1.84290
lag_pm_vis_bi_logit	-1.015454	.3385629	-3.00	0.003	-1.679025	-.351882
lag2_pm_vis_bi_logit	-.2567453	.2868295	-0.90	0.371	-.8189208	.305430
lag_eam_vis_bi_logit	.3238424	.2177646	1.49	0.137	-.1029684	.750653
lag2_eam_vis_bi_logit	.3579123	.2532341	1.41	0.158	-.1384175	.854242
_cons	-8.107532	6.945831	-1.17	0.243	-21.72111	5.50604

```
24.
25. eststo
  (est1 stored)

26.
27. logistic eam_vis_bi_logit lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln la
  > g_oilreservesln lag_indalign g7 rpower g77 lag_unemp13 lag_inflation13 lag_lnkcombc
  > genelec F.genelec lag_nri_ln polity hrts unsanctions lag_usarms_outln usdefense ussa
  > nc russanc chisanc lag_rusarms_outln rusdefense lag_chiarms_outln lag_usalign lag_ru
  > salign lag_chialign rao deve_gowda vajpayee singh modi neighbor na ce cwa ea eurasia
  >  ew esa gulf ior ocean sea wana lag_pm_vis_bi_logit lag2_pm_vis_bi_logit lag_eam_vis
  > _bi_logit lag2_eam_vis_bi_logit, vce(cluster cowid) coef

Logistic regression                             Number of obs     =      3,982
                                                Wald chi2(51)     =    1012.68
                                                Prob > chi2       =     0.0000
Log pseudolikelihood = -704.3627                Pseudo R2         =     0.2710

                                    (Std. Err. adjusted for 159 clusters in cowid
> )
------------------------------------------------------------------------------
  _
     eam_vis_bi_logit |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------------
  _
         lag_mil_expln |   .0301492   .0203022     1.49   0.138    -.0096425    .069940
> 9
      lag_indarms_inln |  -.0018667   .0240344    -0.08   0.938    -.0489733    .045239
> 9
          lag_indexp13 |   .5184747   .1452868     3.57   0.000     .2337178    .803231
> 6
           lag_gdppcln |   .0715028   .0764106     0.94   0.349    -.0782592    .221264
> 8
    lag_oilreservesln |   .0125238   .0108268     1.16   0.247    -.0086964     .03374
> 4
          lag_indalign |   .2060152   .3062031     0.67   0.501    -.3941319    .806162
> 3
                    g7 |   1.100017   .4281098     2.57   0.010     .2609377    1.93909
> 7
                rpower |   1.183824   .3212524     3.69   0.000     .5541807    1.81346
> 7
                   g77 |  -.1009629   .3553505    -0.28   0.776    -.7974371    .595511
> 3
           lag_unemp13 |   6.039818   2.632141     2.29   0.022     .8809164    11.1987
> 2
        lag_inflation13 |  -.1822255   .1520601    -1.20   0.231    -.4802578    .115806
> 8
          lag_lnkcombc |  -.2281637   .1581691    -1.44   0.149    -.5381695    .081842
> 2
                       |
                genelec |
                    --. |   .1296256   .2233814     0.58   0.562    -.3081938    .567445
> 1
                    F1. |   .6961479   .2266641     3.07   0.002     .2518944    1.14040
> 1
                       |
             lag_nri_ln |   .0258549   .0237824     1.09   0.277    -.0207578    .072467
> 6
                 polity |  -.0582948   .0172307    -3.38   0.001    -.0920664   -.024523
> 2
                   hrts |  -.0544901   .1046705    -0.52   0.603    -.2596404    .150660
> 3
           unsanctions |  -.8958665   .3462066    -2.59   0.010    -1.574419    -.21731
> 4
        lag_usarms_outln |   .0042645   .0117193     0.36   0.716    -.0187049     .02723
> 4
               usdefense |   -.226409   .3588842    -0.63   0.528    -.9298092    .476991
> 1
                   ussanc |  -.0791284   .2731778    -0.29   0.772    -.6145471    .456290
> 2
```

russanc	-.2718253	.312695	-0.87	0.385	-.8846962	.341045
chisanc	1.367065	.481543	2.84	0.005	.423258	2.31087
lag_rusarms_outln	.0391258	.013026	3.00	0.003	.0135954	.064656
rusdefense	.204878	.6183501	0.33	0.740	-1.007066	1.41682
lag_chiarms_outln	.0086618	.0145821	0.59	0.553	-.0199185	.037242
lag_usalign	-.3697547	.2786229	-1.33	0.184	-.9158456	.176336
lag_rusalign	-.2217095	.1834429	-1.21	0.227	-.5812509	.137831
lag_chialign	-.1497178	.3727059	-0.40	0.688	-.8802079	.580772
rao	1.88223	1.190009	1.58	0.114	-.4501444	4.21460
deve_gowda	2.900297	1.213507	2.39	0.017	.5218657	5.27872
vajpayee	2.697029	1.139276	2.37	0.018	.46409	4.92996
singh	3.116703	1.286688	2.42	0.015	.5948411	5.63856
modi	2.584586	1.433363	1.80	0.071	-.2247545	5.39392
neighbor	3.828379	.6182363	6.19	0.000	2.616658	5.04009
na	-1.069756	.7931417	-1.35	0.177	-2.624285	.484772
ce	-.0926186	.5697124	-0.16	0.871	-1.209234	1.02399
cwa	-2.025676	1.141728	-1.77	0.076	-4.263423	.212070
ea	1.173844	.5957029	1.97	0.049	.0062878	2.341
eurasia	.7792381	.7020485	1.11	0.267	-.5967516	2.15522
ew	.8312332	.5177103	1.61	0.108	-.1834602	1.84592
esa	.6953928	.5808789	1.20	0.231	-.443109	1.83389
gulf	.2438761	.7518843	0.32	0.746	-1.22979	1.71754
ior	1.863778	.9542482	1.95	0.051	-.0065146	3.7340
ocean	.3098508	.6361337	0.49	0.626	-.9369484	1.5566
sea	2.077535	.5752855	3.61	0.000	.9499957	3.20507
wana	1.259659	.6275748	2.01	0.045	.0296355	2.48968
lag_pm_vis_bi_logit	.0147966	.3214287	0.05	0.963	-.6151921	.644785
lag2_pm_vis_bi_logit	-.3099589	.3068541	-1.01	0.312	-.9113818	.29146
lag_eam_vis_bi_logit	-.5824116	.2751064	-2.12	0.034	-1.12161	-.043212
lag2_eam_vis_bi_logit	-.0054321	.2322158	-0.02	0.981	-.4605666	.449702
_cons	-16.51289	5.846805	-2.82	0.005	-27.97242	-5.05336

```
28.
29. eststo
  (est2 stored)

30.
31. esttab using AlignmentModel.csv, replace compress n se aic b(%9.3f) se(%9.3f) star(+
  >  0.10 * 0.05 ** 0.01 *** 0.001)
  estout using `"AlignmentModel.csv"' ,
   cells(b(fmt(%9.3f) star) se(fmt(%9.3f) par))
   stats(N aic, fmt(%18.0g %9.3f) labels(`"N"' `"AIC"'))
   starlevels(+ 0.10 * 0.05 ** 0.01 *** 0.001)
   begin(`"=""')
   delimiter(`"",=""')
   end(`"""')
   prehead(`""')
   posthead("")
   prefoot("")
   postfoot(`""' `"="Standard errors in parentheses""' `"="@starlegend""')
   varlabels(, end("" "") nolast)
   mlabels(, depvar)
   numbers
   collabels(none)
   eqlabels(, begin("" "") nofirst)
   interaction(" # ")
   notype
   level(95)
   style(esttab)
   replace
  (note: file AlignmentModel.csv not found)
  (output written to AlignmentModel.csv)

32.
33.
34.
35.
36.
37. ***Appendix 2_Base model with days visited as the dependent variable****

38.
39. eststo clear

40.
41. poisson pm_vis_bi_days lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln lag_o
  > ilreservesln lag_indalign g7 rpower g77 lag_unemp13 lag_inflation13 lag_lnkcombc gen
  > elec F.genelec lag_nri_ln polity hrts rao deve_gowda singh vajpayee modi neighbor na
  >  ce cwa ea eurasia ew esa gulf ior ocean sea wana lag_pm_vis_bi_logit lag2_pm_vis_bi
  > _logit lag_eam_vis_bi_logit lag2_eam_vis_bi_logit, vce(cluster cowid)

  Iteration 0:   log pseudolikelihood = -5464.1375
  Iteration 1:   log pseudolikelihood = -4083.6479  (backed up)
  Iteration 2:   log pseudolikelihood = -2846.1653  (backed up)
  Iteration 3:   log pseudolikelihood = -2718.3686
  Iteration 4:   log pseudolikelihood = -1561.3354
  Iteration 5:   log pseudolikelihood = -1480.9408
  Iteration 6:   log pseudolikelihood = -1478.1537
  Iteration 7:   log pseudolikelihood = -1478.1457
  Iteration 8:   log pseudolikelihood = -1478.1457

  Poisson regression                              Number of obs     =      4,036
                                                  Wald chi2(39)     =    1851.03
                                                  Prob > chi2       =     0.0000
  Log pseudolikelihood = -1478.1457               Pseudo R2         =     0.3066
```

(Std. Err. adjusted for **161** clusters in cowid
>)

pm_vis_bi_days	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
lag_mil_expln	.0183036	.0274155	0.67	0.504	-.0354297	.072036
lag_indarms_inln	.0298951	.012881	2.32	0.020	.0046489	.055141
lag_indexp13	.30018	.0779063	3.85	0.000	.1474866	.452873
lag_gdppcln	.1967234	.0671509	2.93	0.003	.06511	.328336
lag_oilreservesln	.010964	.0092028	1.19	0.234	-.0070731	.029001
lag_indalign	-.1575694	.1707502	-0.92	0.356	-.4922336	.177094
g7	1.528725	.3678687	4.16	0.000	.8077161	2.24973
rpower	1.278331	.2725921	4.69	0.000	.7440605	1.81260
g77	.3530364	.2654483	1.33	0.184	-.1672327	.873305
lag_unemp13	1.697069	2.326754	0.73	0.466	-2.863284	6.25742
lag_inflation13	-.1049835	.2186383	-0.48	0.631	-.5335067	.323539
lag_lnkcombc	-.0269525	.2200732	-0.12	0.903	-.458288	.404383
genelec --.	-.2574107	.3437445	-0.75	0.454	-.9311375	.416316
F1.	.1532253	.2067454	0.74	0.459	-.2519882	.558438
lag_nri_ln	.0311664	.0205562	1.52	0.129	-.0091229	.071455
polity	.0037093	.0171994	0.22	0.829	-.0300009	.037419
hrts	.0027621	.0759614	0.04	0.971	-.1461196	.151643
rao	.6197681	.5387664	1.15	0.250	-.4361947	1.67573
deve_gowda	-.2106881	.7631284	-0.28	0.782	-1.706392	1.28501
singh	.2408917	.7483817	0.32	0.748	-1.225909	1.70769
vajpayee	.1568649	.6105524	0.26	0.797	-1.039796	1.35352
modi	.8726663	1.009356	0.86	0.387	-1.105636	2.85096
neighbor	2.438404	.5902716	4.13	0.000	1.281493	3.59531
na	.3289466	.6976947	0.47	0.637	-1.03851	1.69640
ce	-.2681083	.7902261	-0.34	0.734	-1.816923	1.28070
cwa	-.0108819	.7483134	-0.01	0.988	-1.477549	1.45578
ea	1.647	.6907815	2.38	0.017	.2930929	3.00090
eurasia	2.076638	.6690103	3.10	0.002	.7654022	3.38787
ew	.7820612	.6680335	1.17	0.242	-.5272603	2.09138
esa	1.087838	.6141708	1.77	0.077	-.1159141	2.29159

```
                gulf |   .1789723   .8214601     0.22   0.828     -1.43106    1.78900
> 4
                 ior |   2.454422   .8072171     3.04   0.002     .8723058    4.03653
> 9
               ocean |  -.0658549   .7046233    -0.09   0.926    -1.446891    1.31518
> 1
                 sea |   2.094809   .6038669     3.47   0.001     .9112521    3.27836
> 7
                wana |    .747481   .6774606     1.10   0.270    -.5803175    2.07527
> 9
  lag_pm_vis_bi_logit |  -.6744232   .1872785    -3.60   0.000    -1.041482   -.307364
> 1
 lag2_pm_vis_bi_logit |  -.0821018   .2485398    -0.33   0.741    -.5692307    .405027
> 2
 lag_eam_vis_bi_logit |   .1280911   .1754199     0.73   0.465    -.2157255    .471907
> 8
lag2_eam_vis_bi_logit |    .244281   .2125778     1.15   0.250    -.1723638    .660925
> 8
                _cons |  -9.357218   5.045105    -1.85   0.064    -19.24544    .531006
> 7
------------------------------------------------------------------------------
  _
```

```
42.
43. eststo
  (est1 stored)

44.
45. poisson eam_vis_bi_days lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln lag_
  > oilreservesln lag_indalign g7 rpower g77 lag_unemp13 lag_inflation13 lag_lnkcombc ge
  > nelec F.genelec lag_nri_ln polity hrts rao deve_gowda singh vajpayee modi neighbor n
  > a ce cwa ea eurasia ew esa gulf ior ocean sea wana lag_eam_vis_bi_logit lag2_eam_vis
  > _bi_logit lag_pm_vis_bi_logit lag2_pm_vis_bi_logit, vce(cluster cowid)

  Iteration 0:   log pseudolikelihood = -4751.2741
  Iteration 1:   log pseudolikelihood = -3164.0261
  Iteration 2:   log pseudolikelihood = -2475.7278
  Iteration 3:   log pseudolikelihood = -2026.7888
  Iteration 4:   log pseudolikelihood = -1992.7637
  Iteration 5:   log pseudolikelihood = -1991.0802
  Iteration 6:   log pseudolikelihood = -1991.0771
  Iteration 7:   log pseudolikelihood = -1991.0771

  Poisson regression                              Number of obs     =      4,036
                                                  Wald chi2(39)     =    1650.14
                                                  Prob > chi2       =     0.0000
  Log pseudolikelihood = -1991.0771               Pseudo R2         =     0.2933

                                                (Std. Err. adjusted for 161 clusters in cowid
  > )
------------------------------------------------------------------------------
  _
               |               Robust
     eam_vis_bi_days |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval
  > ]
------------------------------------------------------------------------------
  _
       lag_mil_expln |   .0230417   .0192181     1.20   0.231    -.0146251    .060708
> 5
    lag_indarms_inln |   .0259294   .0159971     1.62   0.105    -.0054243    .057283
> 1
        lag_indexp13 |   .3023223   .1413112     2.14   0.032     .0253574    .579287
> 1
         lag_gdppcln |   .0802958   .0607774     1.32   0.186    -.0388256    .199417
> 3
   lag_oilreservesln |   .0033802   .0090532     0.37   0.709    -.0143638    .021124
> 2
        lag_indalign |   .1156238   .1424058     0.81   0.417    -.1634865    .394734
> 2
                  g7 |   1.066952   .3722202     2.87   0.004     .3374136     1.7964
> 9
              rpower |   1.193028   .2774118     4.30   0.000     .6493109    1.73674
```

g77	-.0275702	.3088546	-0.09	0.929	-.6329141	.577773
lag_unemp13	4.247051	2.018791	2.10	0.035	.2902929	8.20380
lag_inflation13	-.0841735	.1317273	-0.64	0.523	-.3423542	.174007
lag_lnkcombc	-.1846158	.1259075	-1.47	0.143	-.43139	.062158
genelec --.	-.0594239	.2461118	-0.24	0.809	-.5417942	.422946
F1.	.623771	.1827952	3.41	0.001	.265499	.982042
lag_nri_ln	.0369003	.0164811	2.24	0.025	.004598	.069202
polity	-.0275458	.0128013	-2.15	0.031	-.0526359	-.002455
hrts	.015536	.1022086	0.15	0.879	-.1847891	.215861
rao	1.504677	1.061339	1.42	0.156	-.5755088	3.58486
deve_gowda	2.012193	1.106362	1.82	0.069	-.1562356	4.18062
singh	2.528925	1.085159	2.33	0.020	.4020521	4.65579
vajpayee	2.576366	1.03848	2.48	0.013	.540982	4.61175
modi	1.973977	1.220472	1.62	0.106	-.4181036	4.36605
neighbor	2.72186	.4384925	6.21	0.000	1.862431	3.5812
na	-.2110812	.7375401	-0.29	0.775	-1.656633	1.23447
ce	-.0500753	.5190428	-0.10	0.923	-1.06738	.967229
cwa	-2.456596	1.063877	-2.31	0.021	-4.541757	-.371435
ea	.8547748	.5713991	1.50	0.135	-.2651469	1.97469
eurasia	1.254592	.5260226	2.39	0.017	.2236066	2.28557
ew	.2523217	.5339475	0.47	0.637	-.7941962	1.2988
esa	.5629079	.4786254	1.18	0.240	-.3751806	1.50099
gulf	.2316502	.537687	0.43	0.667	-.8221969	1.28549
ior	1.393053	.8021193	1.74	0.082	-.1790725	2.96517
ocean	.4858156	.5542095	0.88	0.381	-.6004151	1.57204
sea	1.624099	.497423	3.27	0.001	.649168	2.5990
wana	1.035524	.5553913	1.86	0.062	-.0530226	2.12407
lag_eam_vis_bi_logit	-.0940629	.1747185	-0.54	0.590	-.4365049	.248379
lag2_eam_vis_bi_logit	-.06399	.1372115	-0.47	0.641	-.3329196	.204939
lag_pm_vis_bi_logit	.1109441	.2076472	0.53	0.593	-.296037	.517925
lag2_pm_vis_bi_logit	.0900156	.2144297	0.42	0.675	-.3302588	.510290
_cons	-13.46751	4.546962	-2.96	0.003	-22.3794	-4.55563

```
46.
47. eststo
  (est2 stored)

48.
49. esttab using Appendix2Model.csv, replace compress n se aic b(%9.3f) se(%9.3f) star(+
  >  0.10 * 0.05 ** 0.01 *** 0.001)
  estout using `"Appendix2Model.csv"' ,
   cells(b(fmt(%9.3f) star) se(fmt(%9.3f) par))
   stats(N aic, fmt(%18.0g %9.3f) labels(`"N"' `"AIC"'))
   starlevels(+ 0.10 * 0.05 ** 0.01 *** 0.001)
   begin(`"=""')
   delimiter(`"",=""')
   end(`"""')
   prehead(`""')
   posthead("")
   prefoot("")
   postfoot(`""' `"="Standard errors in parentheses""' `"="@starlegend""')
   varlabels(, end("" "") nolast)
   mlabels(, depvar)
   numbers
   collabels(none)
   eqlabels(, begin("" "") nofirst)
   interaction(" # ")
   notype
   level(95)
   style(esttab)
   replace
  (note: file Appendix2Model.csv not found)
  (output written to Appendix2Model.csv)

50.
51.
52.
53. ***Appendix 3_Base model with Government type instead of Prime Ministerial tenure as
  >  a control variable****

54.
55. eststo clear

56.
57. logistic pm_vis_bi_logit lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln lag
  > _oilreservesln lag_indalign g7 rpower g77 lag_unemp13 lag_inflation13 lag_lnkcombc g
  > enelec F.genelec lag_nri_ln polity hrts minority majority neighbor na ce cwa ea eura
  > sia ew esa gulf ior ocean sea wana lag_pm_vis_bi_logit lag2_pm_vis_bi_logit lag_eam_
  > vis_bi_logit lag2_eam_vis_bi_logit, vce(cluster cowid) coef

  Logistic regression                             Number of obs     =      4,036
                                                  Wald chi2(36)     =     741.64
                                                  Prob > chi2       =     0.0000
  Log pseudolikelihood = -570.40197               Pseudo R2         =     0.2725

                                          (Std. Err. adjusted for 161 clusters in cowid
  > )
  ------------------------------------------------------------------------------------
    _
                        |               Robust
       pm_vis_bi_logit |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval
  > ]
  ------------------------------------------------------------------------------------
    _
          lag_mil_expln |   .0166787   .0285807     0.58   0.560    -.0393384    .072695
  > 9
       lag_indarms_inln |   .0321546   .0201667     1.59   0.111    -.0073714    .071680
  > 5
           lag_indexp13 |   .3848167   .1101367     3.49   0.000     .1689528    .600680
  > 6
            lag_gdppcln |   .1943679   .0659522     2.95   0.003     .0651039     .32363
  > 2
      lag_oilreservesln |   .0092337   .0103082     0.90   0.370      -.01097    .029437
  > 3
           lag_indalign |  -.3811774   .2010364    -1.90   0.058    -.7752015    .012846
```

g7	1.510484	.4545541	3.32	0.001	.6195744	2.40139
rpower	1.255473	.2876465	4.36	0.000	.6916965	1.8192
g77	.146407	.3003992	0.49	0.626	-.4423646	.735178
lag_unemp13	-.3958799	2.559815	-0.15	0.877	-5.413025	4.62126
lag_inflation13	.0338755	.2085232	0.16	0.871	-.3748224	.442573
lag_lnkcombc	.0229213	.1565666	0.15	0.884	-.2839436	.329786
genelec --.	-.7796001	.3201494	-2.44	0.015	-1.407081	-.152118
F1.	.1832933	.2047121	0.90	0.371	-.2179351	.584521
lag_nri_ln	.0198147	.0240686	0.82	0.410	-.0273588	.066988
polity	-.0035515	.0182231	-0.19	0.845	-.0392681	.032165
hrts	-.0415115	.1018645	-0.41	0.684	-.2411622	.158139
minority	.2236262	.4040655	0.55	0.580	-.5683277	1.0155
majority	1.301013	.3517051	3.70	0.000	.6116833	1.99034
neighbor	3.058714	.6200603	4.93	0.000	1.843418	4.2740
na	.957238	.6946585	1.38	0.168	-.4042675	2.31874
ce	.3257367	.8052714	0.40	0.686	-1.252566	1.9040
cwa	.1093291	.7500511	0.15	0.884	-1.360744	1.57940
ea	2.126369	.6789676	3.13	0.002	.7956172	3.45712
eurasia	2.588673	.6766556	3.83	0.000	1.262452	3.91489
ew	1.69179	.6934471	2.44	0.015	.3326583	3.05092
esa	1.775814	.6247473	2.84	0.004	.5513321	3.00029
gulf	.8128388	.8538882	0.95	0.341	-.8607512	2.48642
ior	2.853731	.9145877	3.12	0.002	1.061172	4.6462
ocean	.2473718	.8528502	0.29	0.772	-1.424184	1.91892
sea	2.705458	.6099943	4.44	0.000	1.509891	3.90102
wana	1.400665	.6834638	2.05	0.040	.0611005	2.74022
lag_pm_vis_bi_logit	-.8678522	.2562277	-3.39	0.001	-1.370049	-.365655
lag2_pm_vis_bi_logit	-.0171551	.2612181	-0.07	0.948	-.5291333	.49482
lag_eam_vis_bi_logit	.2505737	.2094169	1.20	0.231	-.1598759	.661023
lag2_eam_vis_bi_logit	.4386871	.239902	1.83	0.067	-.0315121	.908886
_cons	-6.858268	4.797547	-1.43	0.153	-16.26129	2.54475

```
58.
59. eststo
  (est1 stored)

60.
61. logistic eam_vis_bi_logit lag_mil_expln lag_indarms_inln lag_indexp13 lag_gdppcln la
  > g_oilreservesln lag_indalign g7 rpower g77 lag_unemp13 lag_inflation13 lag_lnkcombc
  > genelec F.genelec lag_nri_ln polity hrts minority majority neighbor na ce cwa ea eur
  > asia ew esa gulf ior ocean sea wana lag_eam_vis_bi_logit lag2_eam_vis_bi_logit lag_p
  > m_vis_bi_logit lag2_pm_vis_bi_logit, vce(cluster cowid) coef

  Logistic regression                             Number of obs     =      4,036
                                                  Wald chi2(36)     =     947.31
                                                  Prob > chi2       =     0.0000
  Log pseudolikelihood = -750.06072               Pseudo R2         =     0.2607

                                          (Std. Err. adjusted for 161 clusters in cowid
  > )
  ------------------------------------------------------------------------------------
  _
                      |               Robust
      eam_vis_bi_logit |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval
  > ]
  ------------------------------------------------------------------------------------
  _
         lag_mil_expln |   .0275398   .0200323     1.37   0.169    -.0117227    .066802
  > 4
      lag_indarms_inln |   .0131256   .0206392     0.64   0.525    -.0273264    .053577
  > 6
          lag_indexp13 |   .5208924    .117513     4.43   0.000     .2905712    .751213
  > 6
           lag_gdppcln |    .099115    .068937     1.44   0.151    -.0359992    .234229
  > 1
     lag_oilreservesln |   .0034903   .0100665     0.35   0.729    -.0162397    .023220
  > 3
          lag_indalign |   .0380897   .1419116     0.27   0.788     -.240052    .316231
  > 4
                    g7 |   1.162747   .3783182     3.07   0.002     .4212568    1.90423
  > 7
                rpower |   1.262036   .3335959     3.78   0.000     .6082004    1.91587
  > 2
                   g77 |  -.4412885   .2727664    -1.62   0.106    -.9759009    .093323
  > 8
           lag_unemp13 |   4.444171   2.084852     2.13   0.033     .3579359    8.53040
  > 7
       lag_inflation13 |  -.2349479   .1248624    -1.88   0.060    -.4796736    .009777
  > 9
          lag_lnkcombc |  -.3516063    .093216    -3.77   0.000    -.5343063   -.168906
  > 3
                       |
               genelec |
                   --. |   .2192884   .2097328     1.05   0.296    -.1917803     .63035
  > 7
                   F1. |   .5369629   .1699677     3.16   0.002     .2038324    .870093
  > 4
                       |
            lag_nri_ln |   .0290398   .0199401     1.46   0.145     -.010042    .068121
  > 7
                polity |  -.0383782   .0153409    -2.50   0.012    -.0684458   -.008310
  > 6
                  hrts |  -.0569514   .0951641    -0.60   0.550    -.2434697    .129566
  > 9
              minority |  -.9234002   .2332646    -3.96   0.000     -1.38059   -.466210
  > 1
              majority |  -.7308742   .2350243    -3.11   0.002    -1.191513    -.27023
  > 5
              neighbor |   3.650199   .4383304     8.33   0.000     2.791087     4.5093
  > 1
                    na |  -.7658151   .6629978    -1.16   0.248    -2.065267    .533636
  > 8
                    ce |  -.0152131    .483036    -0.03   0.975    -.9619462      .9315
  > 2
```

```
                 cwa |  -1.925356   1.065636    -1.81   0.071    -4.013964    .163251
> 6
                  ea |   .9486725   .5260367     1.80   0.071    -.0823404    1.97968
> 5
            eurasia |   1.365513   .5215689     2.62   0.009     .3432563    2.38776
> 9
                  ew |    .518999   .4883945     1.06   0.288    -.4382366    1.47623
> 5
                 esa |   .6546708   .4634554     1.41   0.158    -.2536851    1.56302
> 7
                gulf |   .5161085   .5490469     0.94   0.347    -.5600036    1.59222
> 1
                 ior |   1.737456   .8775973     1.98   0.048     .0173972    3.45751
> 5
               ocean |   .2079998   .5188255     0.40   0.688    -.8088795    1.22487
> 9
                 sea |   2.140409   .4799184     4.46   0.000     1.199787    3.08103
> 2
                wana |   1.338184   .5530786     2.42   0.016       .25417    2.42219
> 8
 lag_eam_vis_bi_logit |  -.5586008   .2572646    -2.17   0.030     -1.06283   -.054371
> 4
lag2_eam_vis_bi_logit |   .0666363   .2225429     0.30   0.765    -.3695398    .502812
> 4
  lag_pm_vis_bi_logit |   .0040473   .2817713     0.01   0.989    -.5482143    .556308
> 9
 lag2_pm_vis_bi_logit |  -.1332893   .2595965    -0.51   0.608    -.6420892    .375510
> 6
               _cons |  -10.81371   3.985452    -2.71   0.007    -18.62505   -3.00236
> 4
------------------------------------------------------------------------------------------
  _
```

62.
63. eststo
(**est2** stored)

64.
65. esttab using Appendix3Model.csv, replace compress n se aic b(%9.3f) se(%9.3f) star(+
> 0.10 * 0.05 ** 0.01 *** 0.001)
estout using `"Appendix3Model.csv"' ,
cells(b(fmt(%9.3f) star) se(fmt(%9.3f) par))
stats(N aic, fmt(%18.0g %9.3f) labels(`"N"' `"AIC"'))
starlevels(+ 0.10 * 0.05 ** 0.01 *** 0.001)
begin(`"=""')
delimiter(`"",=""')
end(`"""')
prehead(`""')
posthead("")
prefoot("")
postfoot(`""' `"="Standard errors in parentheses""' `"="@starlegend""')
varlabels(, end("" "") nolast)
mlabels(, depvar)
numbers
collabels(none)
eqlabels(, begin("" "") nofirst)
interaction(" # ")
notype
level(95)
style(esttab)
replace
(note: file Appendix3Model.csv not found)
(output written to Appendix3Model.csv)

66. log close
name: **<unnamed>**
log: **C:\Users\Walter\Dropbox\Indian PM Travel Study\Final Version to Upload\No**
> n Resident PM.smcl
log type: **smcl**
closed on: **25 Sep 2024, 11:13:00**