```
      name:  <unnamed>
       log:  P:\Zofar\Schulze\esra23_calendar\out\nls_coefPlots.smcl
  log type:  smcl
 opened on:  14 Jul 2023, 21:34:37

 1 .
 2 . *_____________________________________________________________
 3 . ** Regression zur Bearbeitunggsdauer der Kalenderseiten
 4 . *_____________________________________________________________
 5 .
 6 .
 7 . use "${datadir}history_2018w3bw4_enriched.dta", clear

 8 .
 9 .
10 . set scheme s2color

11 . *set scheme s1color
12 . *_____________________________________________________________
13 . *_____________  Coefplot: Bearbeitungsdauer der Kalenderseite _________
14 . // nur Kalenderseiten
15 . // nur Personen, die im Episodemodul gestartet sind (epiStart==1)
16 . // nur Fälle mit Kalenderzeitraum von 2 Jahren
17 .
18 .
19 . reg             verwdauer i.wave##i.mobile_view if calendar==1 & visit==1 & calendarRange==2

      Source |       SS           df       MS      Number of obs   =     4,593
-------------+----------------------------------   F(3, 4589)      =     20.54
       Model |  799713.986         3  266571.329   Prob > F        =    0.0000
    Residual |  59564022.4     4,589  12979.739   R-squared       =    0.0132
-------------+----------------------------------   Adj R-squared   =    0.0126
       Total |  60363736.4     4,592  13145.413   Root MSE        =    113.93

------------------------------------------------------------------------------
             verwdauer | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-----------------------+------------------------------------------------------------------
                  wave |
       dynamic calendar |      81.928   13.73651     5.96   0.000     54.99783    108.8582
                       |
           mobile_view |
               mobile |   -4.491458   3.460926    -1.30   0.194    -11.27654    2.293621
                       |
        wave#mobile_view |
dynamic calendar#mobile |   -38.4365   16.26575    -2.36   0.018    -70.32521   -6.547798
                       |
                 _cons |     127.4845   2.424563    52.58   0.000     122.7312    132.2378
------------------------------------------------------------------------------

20 . margins         , at(wave=(201803 201804) mobile_view=(0 1)) post

Adjusted predictions                                  Number of obs = 4,593
Model VCE: OLS

Expression: Linear prediction, predict()
1._at: wave        = 201803
       mobile_view =      0
2._at: wave        = 201803
       mobile_view =      1
3._at: wave        = 201804
       mobile_view =      0
4._at: wave        = 201804
       mobile_view =      1
```

	Delta-method					
	Margin	std. err.	t	P>|t|	[95% conf.	interval]
_at						
1	**127.4845**	**2.424563**	**52.58**	**0.000**	**122.7312**	**132.2378**
2	**122.993**	**2.469717**	**49.80**	**0.000**	**118.1512**	**127.8349**
3	**209.4125**	**13.52084**	**15.49**	**0.000**	**182.9051**	**235.9199**
4	**166.4845**	**8.353654**	**19.93**	**0.000**	**150.1074**	**182.8617**

```
21 . coefplot        , groups("non-mobile" "mobile" = "static calendar" " non-mobile " " mobile " = "dynamic calendar"
   >         rename(1._at="non-mobile" 2._at="mobile" 3._at=" non-mobile " 4._at=" mobile " ) ///
   >         ciopts(recast(rcap) lcolor("10 125 148")) ///
   >         /// msymbol(diamond) ///
   >         mcolor("10 125 148")  ///
   >         vertical ytitle("Linear Prediction: Response Time", size(small))  ///
   >         xscale(lcolor("95 95 95")) ///
   >         ylabel( , labsize(vsmall))  ///
   >         xlabel( , labsize(vsmall)) ///
   >         graphregion(fcolor(white) ifcolor(white) ilcolor(white))

22 .
23 .
24 . graph save Graph "${out}coefPlot_respTimeCalendar.gph", replace
   file P:\Zofar\Schulze\esra23_calendar\out\coefPlot_respTimeCalendar.gph saved

25 . graph export "${out}coefPlot_respTimeCalendar.svg", as(svg) replace
   file P:\Zofar\Schulze\esra23_calendar\out\coefPlot_respTimeCalendar.svg saved as SVG format

26 .
27 .
28 .
29 . preserve

30 . *_____________________________________________________________
31 . // Datensatz reduzieren auf eine Zeile pro Person, pro Welle
32 .
33 .
34 .  keep if calendarRange==2
   (524,858 observations deleted)

35 .  keep if epiStart==1
   (7,251 observations deleted)

36 .  keep(mobile_view epiBreakoff wave token  pid finished epiFinish modul)

37 .
38 .
39 .  *keep(mobile_view epiBreakoff wave token  pid finished epiFinish modul calendarRange epiStart)
40 .
41 . collapse (mean) mobile_view epiBreakoff finished epiFinish (first) pid, by(token wave modul)

42 .
43 .
44 . *_____________________________________________________________
45 . *____________ Coefplot: Abbrüche im Episodenmodul ________
46 . // nur Personen, die im Episodemodul gestartet sind (epiStart==1)
47 . // nur Fälle mit Kalenderzeitraum von 2 Jahren
48 .
```

```
49 . *logit epiBreakoff i.wave##i.mobile_view if epiStart==1 & calendarRange==2
50 . logit epiBreakoff i.wave##i.mobile_view

Iteration 0:   log likelihood =  -4555.632
Iteration 1:   log likelihood = -4239.6108
Iteration 2:   log likelihood = -4074.4657
Iteration 3:   log likelihood = -4069.6201
Iteration 4:   log likelihood = -4069.5454
Iteration 5:   log likelihood = -4069.5454

Logistic regression                                     Number of obs = 23,264
                                                        LR chi2(3)    = 972.17
                                                        Prob > chi2   = 0.0000
Log likelihood = -4069.5454                             Pseudo R2     = 0.1067
```

epiBreakoffs	Coefficient	Std. err.	z	P>|z|	[95% conf.	interval]
wave						
dynamic calendar	2.397038	.2075341	11.55	0.000	1.990279	2.803797
1.mobile_view	1.864003	.2110419	8.83	0.000	1.450368	2.277637
wave#mobile_view						
dynamic calendar#1	-.8022295	.224928	-3.57	0.000	-1.24308	-.3613787
_cons	-5.43305	.1965441	-27.64	0.000	-5.818269	-5.04783

```
51 .
52 . margins,        at(wave=(201803 201804) mobile_view=(0 1)) post

Adjusted predictions                                    Number of obs = 23,264
Model VCE: OIM

Expression: Pr(epiBreakoffs), predict()
1._at: wave        = 201803
       mobile_view =      0
2._at: wave        = 201803
       mobile_view =      1
3._at: wave        = 201804
       mobile_view =      0
4._at: wave        = 201804
       mobile_view =      1
```

	Margin	Delta-method std. err.	z	P>|z|	[95% conf.	interval]
_at						
1	.0043507	.0008514	5.11	0.000	.002682	.0060194
2	.0274102	.0020493	13.38	0.000	.0233937	.0314267
3	.0458252	.0029138	15.73	0.000	.0401143	.0515362
4	.1219344	.0043002	28.36	0.000	.1135062	.1303626

```
53 . coefplot        ,groups("non-mobile" "mobile" = "static calendar" " non-mobile " " mobile " = "dynamic calendar",
>         rename(1._at="non-mobile" 2._at="mobile" 3._at=" non-mobile " 4._at=" mobile ") ///
>         ciopts(recast(rcap) lcolor("10 125 148")) ///
>         /// msymbol(diamond) ///
>         mcolor("10 125 148")  ///
>         vertical ytitle("Predicted Probability: Break-Off", size(small))  ///
>         xscale(lcolor("95 95 95")) ///
>         ylabel( , labsize(vsmall))  ///
>         xlabel( , labsize(vsmall)) ///
>         graphregion(fcolor(white) ifcolor(white) ilcolor(white))
```

```
54 .
55 .
56 . graph save Graph "${out}coefPlot_breakOffs.gph", replace
   file P:\Zofar\Schulze\esra23_calendar\out\coefPlot_breakOffs.gph saved

57 . graph export "${out}coefPlot_breakOffs.svg", as(svg) replace
   file P:\Zofar\Schulze\esra23_calendar\out\coefPlot_breakOffs.svg saved as SVG format

58 .
59 .
60 . cap log close
```