
```

name: <unnamed>
log: /Users/connorbrennan/Library/CloudStorage/OneDrive-TheUniversityo
> fChicago/mmb/output/stepwise_regressions/piq_timing_max_nonmod_all.smcl
log type: smcl
opened on: 12 Sep 2025, 19:25:37
- capture ! rm ./output/stepwise_regressions/`depvar'`type'.pdf
= capture ! rm ./output/stepwise_regressions/piq_timing_max_nonmod_all.pdf
- di "*****"
> *****"
*****
> **
- di "Outcomes of bi-directional stepwise regressions with `depvar' (type = `t
> ype'))"
= di "Outcomes of bi-directional stepwise regressions with piq_timing_max (typ
> e = nonmod_all)"
Outcomes of bi-directional stepwise regressions with piq_timing_max (type = no
> nmod_all)
- di "*****"
> *****"
*****
> **
- ${reg_`depvar'`type'}
= poisson piq_timing_max rule_g rule_itr estimated i.cb_authors_ext#i.vint_la
> te i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.est_early est_late est
> _early i.vint_late#i.est_early i.vint_late#i.est_late vint_early cb_authors_
> ext i.vint_mid#i.est_late vint_mid vint_late i.cb_authors_ext#i.est_early i.
> cb_authors_ext#i.est_late if piq_timing_max < 99 , vce(robust) nolog

> _____ begin pois
> son _____
- if _by() {
local BY ``by `_byvars'`_byrc0':""
}
- `BY' _vce_parserun poisson, mark(Exposure OFFset CLuster) : `0'
= _vce_parserun poisson, mark(Exposure OFFset CLuster) : piq_timing_max rul
> e_g rule_itr estimated i.cb_authors_ext#i.vint_late i.cb_authors_ext#i.vint
> _mid ln_neq i.vint_mid#i.est_early est_late est_early i.vint_late#i.est_e
> arly i.vint_late#i.est_late vint_early cb_authors_ext i.vint_mid#i.est_late
> vint_mid vint_late i.cb_authors_ext#i.est_early i.cb_authors_ext#i.est_late
> if piq_timing_max < 99 , vce(robust) nolog

> _____ begin _vce_parse
> run _____
- version 9
- local version : di "version " string(_caller()) ":"

```

```

- local bycall = _by()
- _on_colon_parse `0'
= _on_colon_parse poisson, mark(Exposure OFFset CLuster) : piq_timing_max
> rule_g rule_itr estimated i.cb_authors_ext#i.vint_late i.cb_authors_ext#i.v
> int_mid ln_neq i.vint_mid#i.est_early est_late est_early i.vint_late#i.es
> t_early i.vint_late#i.est_late vint_early cb_authors_ext i.vint_mid#i.est_la
> te vint_mid vint_late i.cb_authors_ext#i.est_early i.cb_authors_ext#i.est_la
> te if piq_timing_max < 99 , vce(robust) nolog

> _____ begin _on_colon_pa
> rse _____
- version 8.2
- sreturn local before ""
- sreturn local after ""
- gettoken before after : 0, parse(":") bind match(par) quotes
- if "`par'" != "" {
= if "" != "" {
local before "`('before')'"
}
- if ``"before"' == ":" {
= if ``poisson, mark(Exposure OFFset CLuster) "' == ":" {
sreturn local after ``"after"'
exit
}
- while ``"COLON"' != ":" & ``"after"' != "" {
= while ``"' != ":" & ``": piq_timing_max rule_g rule_itr estimated i.cb
> _authors_ext#i.vint_late i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.es
> t_early est_late est_early i.vint_late#i.est_early i.vint_late#i.est_late
> vint_early cb_authors_ext i.vint_mid#i.est_late vint_mid vint_late i.cb_auth
> ors_ext#i.est_early i.cb_authors_ext#i.est_late if piq_timing_max < 99 , vce
> (robust) nolog"' != "" {
- gettoken COLON after : after, parse(":") bind match(par) quotes
- if "`par'" != "" {
= if "" != "" {
local before `before' (`COLON')
local COLON
}
- else if ``"COLON"' != ":" {
= else if ``":"' != ":" {
local before ``"before' `COLON"'
local COLON
}
- }
- while ``"COLON"' != ":" & ``"after"' != "" {
= while ``":"' != ":" & ``" piq_timing_max rule_g rule_itr estimated i.cb
> _authors_ext#i.vint_late i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.es

```

```

> t_early    est_late est_early i.vint_late#i.est_early i.vint_late#i.est_late
> vint_early cb_authors_ext i.vint_mid#i.est_late vint_mid vint_late i.cb_auth
> ors_ext#i.est_early i.cb_authors_ext#i.est_late if piq_timing_max < 99 , vce
> (robust) nolog''' != ''' {
    gettoken COLON after : after, parse(":") bind match(par) quotes
    if "'par'" != "" {
        local before `before' (`COLON')
        local COLON
    }
    else if `"'COLON'"' != ":" {
        local before `"'before' `COLON'"'
        local COLON
    }
}
- if `"'COLON'"' != ":" {
= if `":'"' != ":" {
    di as err `"' found where ':' expected'
    exit 198
}
- sreturn local before `"'before'"'
= sreturn local before `poisson, mark(Exposure OFFset CLuster) "'
- sreturn local after `"'after'"'
= sreturn local after `piq_timing_max rule_g rule_itr estimated i.cb_
> authors_ext#i.vint_late i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.est
> _early    est_late est_early i.vint_late#i.est_early i.vint_late#i.est_late v
> int_early cb_authors_ext i.vint_mid#i.est_late vint_mid vint_late i.cb_autho
> rs_ext#i.est_early i.cb_authors_ext#i.est_late if piq_timing_max < 99 , vce(
> robust) nolog'''

_____
> _____ end _on_colon_pa
> rse _____
    - local ZERO `"'s(before)'"'
    = local ZERO `poisson, mark(Exposure OFFset CLuster) "'
    - local 0 `"'s(after)'"'
    = local 0 `piq_timing_max rule_g rule_itr estimated i.cb_authors_ext#i.
> vint_late i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.est_early    est_l
> ate est_early i.vint_late#i.est_early i.vint_late#i.est_late vint_early cb_a
> uthors_ext i.vint_mid#i.est_late vint_mid vint_late i.cb_authors_ext#i.est_e
> arly i.cb_authors_ext#i.est_late if piq_timing_max < 99 , vce(robust) nolog"
> '
    - quietly syntax [anything(equalok)] [if] [in] [fw aw pw iw] [, VCE(string
> asis) VCE1(string asis) LRMODEL * ]
    - if `"'vce'"' == "" {
    = if `"robust"' == "" {
        MYRESULT
        exit

```

```

    }
    - local AFTER ``0``
    = local AFTER `` piq_timing_max rule_g rule_itr estimated i.cb_authors_ex
> t#i.vint_late i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.est_early e
> st_late est_early i.vint_late#i.est_early i.vint_late#i.est_late vint_early
> cb_authors_ext i.vint_mid#i.est_late vint_mid vint_late i.cb_authors_ext#i.e
> st_early i.cb_authors_ext#i.est_late if piq_timing_max < 99 , vce(robust) no
> log``
    - local 0 ``ZERO``
    = local 0 ``poisson, mark(Exposure OFFset CLuster) ``
    - syntax name(name=caller id="calling command name") [, WYPES(string) NOB
> OOTstrap NOJACKknife NOOTHERvce NOTEST PANELdata STdata bootopts(string asis
> ) jkopts(string asis) robustok multivce REQUIREDopts(namelist) NOEQLIST EQop
> ts(passthru) EQARGopts(passthru) noNEEDVARLIST COMMONopts(namelist) MARKopts
> (passthru) SMARKopts(passthru) RMCOLLOpts(passthru) RMDCOLLOpts(passthru) NU
> MDEPvars(passthru) NEEDEQUAL ALLDEPSMISSing PARENtheses UNPARFIRSTeq OR EQUA
> L UNEQUALFIRSTeq IGNORENOCONS ]
    - if ``requiredopts`` != `` {
    = if `` != `` {
        tempname reqopts
        .`reqopts' = .`optlist.new
        foreach req of local requiredopts {
            .`reqopts'.addopt `req', passthru
        }
    }
    - if ``wtypes`` == `` {
    = if `` == `` {
        - local wtypes fw aw pw iw
        - }
        - if ``paneldata`` != `` {
        = if `` != `` {
            local paneloct "CLuster(varname) I(varname)"
        }
        - if ``stdata`` != `` {
        = if `` != `` {
            local stopt "CLuster(varname) SHared(varname)"
        }
        - local typelist svy jackknife bootstrap
        - if ``stdata`` == `` & replay() & ! _by() {
        = if `` == `` & replay() & ! _by() {
            local ecmd `e(cmd)'
            local ecmdname `e(cmdname)'
            if ``ecmd`` == `` {
                error 301
            }
            else if ``ecmd`` != ``caller`` & ``ecmdname`` == ``caller`` & `:list

```

```

> ecmd in typelist' {
    `ecmd' `0'
    MYRESULT exit
    }
    MYRESULT
    exit
    }
- gettoken svy typelist : typelist
- if "`reqopts'" != "" {
= if "" != "" {
    local REQOPTLIST ```.`reqopts'.dumpoptions'''
    local REQOPTNAMES ```.`reqopts'.dumpnames'''
    }
- local 0 ``AFTER'''
= local 0 `` piq_timing_max rule_g rule_itr estimated i.cb_authors_ext#i.
> vint_ate i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.est_early est_l
> ate est_early i.vint_ate#i.est_early i.vint_ate#i.est_ate vint_early cb_a
> uthors_ext i.vint_mid#i.est_ate vint_mid vint_ate i.cb_authors_ext#i.est_e
> arly i.cb_authors_ext#i.est_ate if piq_timing_max < 99 , vce(robust) nolog"
> '
- quietly syntax [anything(equalok)] [if/] [in] [`wtypes'] [, VCE(string a
> sis) VCE1(string asis) Robust NODOTS `panelopt' `stopt' `REQOPTLIST' * ]
= quietly syntax [anything(equalok)] [if/] [in] [fw aw pw iw] [, VCE(strin
> g asis) VCE1(string asis) Robust NODOTS * ]
- if `:list vce == vce1' {
= if 0 {
    local vce1
    }
- if ``vce1''' != "" & ``multivce' == "" {
= if `''' != "" & "" == "" {
    di as err "option vce() specified multiple times"
    exit 198
    }
- if ``robust' != "" & ``robustok' == "" {
= if "" != "" & "" == "" {
    di as err "options vce() and robust may not be combined"
    exit 198
    }
- if ``if''' != "" {
= if ``piq_timing_max < 99 '' != "" {
- local if ``if (`if)'''
= local if ``if (piq_timing_max < 99 )'''
- }
- if ``robust' != "" {
= if "" != "" {
    local options ``robust' `options'''

```

```

    }
    - if "`weight'" != "" {
= if "" != "" {
    local wgt [`weight'`exp']
    }
    - if ``options' != "" {
= if ``nolog" != "" {
    - local opts ``:list retok options'
= local opts ``nolog'
    - }
    - gettoken uvcetype vceopts : vce, parse(" ,")
    - capture unabVCetype, `uvcetype'
= capture unabVCetype, robust
}

> _____ begin _vce_parserun.unabVCet
> ype _____
    - syntax [, BOOTstrap BStrap JACKknife JACKNife JKnife Robust * ]
    - if "`bstrap'" != "" {
= if "" != "" {
    local bootstrap bootstrap
    }
    - if "`jknife'" != "" | "`jackknife'" != "" {
= if "" != "" | "" != "" {
    local jackknife jackknife
    }
    - local vcetype ``jackknife' `bootstrap' `robust' `options'
= local vcetype ``robust'
    - sreturn local vcetype ``:list retok vcetype'
= sreturn local vcetype ``robust'
}

> _____ end _vce_parserun.unabVCet
> ype _____
    - if c(rc) {
    di as err "invalid vce() option"
    exit c(rc)
    }
    - local vcetype `s(vcetype)'
= local vcetype robust
    - if ``lrmodel' != "" {
= if "" != "" {
    _check_lrmodel `caller', vcetype(`vcetype')
    }
    - if ``vce1' != "" & ``multivce'" != "" {
= if ``'" != "" & "" != "" {
    gettoken uvceltype vcelopts : vce1, parse(" ,")
    capture unabVCetype, `uvceltype'

```

```

    if c(rc) {
    di as err "invalid vce() option"
    exit c(rc)
    }
    local vcetype `s(vcetype)'
    if `:list vcetype in typelist' | `:list vcetype in typelist' {
    di as err "options vce(`vce') and vce(`vce1') cannot be combined"
    exit 198
    }
    MYRESULT
    exit
    }
- if _caller() >= 17 {
- if "`vcetype'" == "cluster" {
= if "robust" == "cluster" {
    gettoken vceopts vcelopts: vceopts, parse(",")
    if `:list sizeof vceopts' > 1 {
    local typelist "`typelist' cluster_multiway"
    local vcetype cluster_multiway
    if `:list sizeof vcelopts' > 0 {
    gettoken comma vcelopts: vcelopts, parse(",")
    local vcelopts: list retokenize vcelopts
    di as err "{p}VCE option " "{bf:`vcelopts'} not allowed{p_end}"
    exit 198
    }
    if !inlist("`caller'", "areg", "regress", "xtreg") {
    di as err "{p}multiway cluster VCE " "not allowed{p_end}"
    exit 198
    }
    MYRESULT
    exit
    }
    }
- }
- if ! `:list vcetype in typelist' {
= if ! 0 {
- if "`vcetype'" != "robust" & "`noothervce'" == "noothervce" {
= if "robust" != "robust" & "" == "noothervce" {
    di as err "option vce(`vcetype') not allowed"
    exit 198
    }
- MYRESULT
}

> _____ begin _vce_parserun.MYRES
> ULT _____
- args exit

```

```

- sreturn local exit ``exit'''
= sreturn local exit `'''

```

```

> _____ end _vce_parserun.MYRES
> ULT _____
- exit

```

```

> _____ end _vce_parse
> run _____
- if ``s(exit)'' != "" {
= if "" != "" {
  version 10: ereturn local cmdline `"poisson `0'"
  exit
}
- version 6, missing
- local version : di "version " string(_caller()) ":"
- if replay() {
  if ``e(cmd)'' != "poisson" {
    error 301
  }
  if _by() { error(190) }
  Display `0'
  error `e(rc)'
  exit
}
- `version' `BY' Estimate `0'
= version 18.5: Estimate piq_timing_max rule_g rule_itr estimated i.cb_aut
> hors_ext#i.vint_late i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.est_ea
> rly est_late est_early i.vint_late#i.est_early i.vint_late#i.est_late vint
> _early cb_authors_ext i.vint_mid#i.est_late vint_mid vint_late i.cb_authors_
> ext#i.est_early i.cb_authors_ext#i.est_late if piq_timing_max < 99 , vce(rob
> ust) nolog

```

```

> _____ begin poisson.Estimate
> ate _____
- local vv "version 8.1:"
- local mm d2
- local eval poiss_lf
- version 6, missing
- local awopt = cond(_caller())<7, "aw", "")
- syntax varlist(numeric fv ts) [fw `awopt' pw iw] [if] [in] [, IRr FROM(s
> tring) Level(cilevel) OFFset(varname numeric ts) Exposure(varname numeric ts
> ) noCONstant Robust CLuster(varname) SCore(string) noDISPLAY CRITTYPE(passth
> ru) MATAevaluator moptobj(passthru) * ]
= syntax varlist(numeric fv ts) [fw pw iw] [if] [in] [, IRr FROM(string)
> Level(cilevel) OFFset(varname numeric ts) Exposure(varname numeric ts) noCON

```



```

> stant Robust CCluster(varname) SCore(string) noDISPLAY CRITTYPE(passthru) MAT
> Aevaluator moptobj(passthru) * ]
  - local fvops = "`s(fvops)'" == "true" | _caller() >= 11
  = local fvops = "true" == "true" | _caller() >= 11
  - if `fvops' {
  = if 1 {
  - local vv : di "version " string(max(11,_caller())) ", missing:"
  - local mm e2
  - if "`mataevaluator'" != "" {
  = if "" != "" {
    local eval mopt__poisson_e2()
  }
  - local negh negh
  - }
  - if _by() {
    _byoptnotallowed score ``score'''
  }
  - _get_diopts diopts options, `options'
  = _get_diopts diopts options, vce(robust) nolog
  _____
> _____ begin _get_dio
> pts _____
  - version 11
  - syntax namelist(max=2) [, *]
  - gettoken name1 namelist : namelist
  - gettoken name2 namelist : namelist
  - GetDiopts diopts options, `options'
  = GetDiopts diopts options, vce(robust) nolog
  _____
> _____ begin _get_diopts.GetDio
> pts _____
  - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevels NO
> BASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells NOOM
> ITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string) sforma
> t(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAPON(st
> ring) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV AB
> BREV
  - syntax namelist(max=2) [, `DIOPTS' *]
  = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels ALL
> BASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EM
> PTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(s
> tring) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru
> ) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru
> ) NOABBREV ABBREV *]
  - opts_exclusive "`allbaselevels' `noallbaselevels'"
  = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive
    - version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
  - opts_exclusive "`omitted' `noomitted'"
  = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ``opts'' != "" {
  = while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
  - exit

```

```

> ----- end opts_exclus
> ive -----
  - opts_exclusive "`lstretch' `nolstretch'"
  = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ``opts'' != "" {
  = while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind

```

```

    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

```

```

> _____ end opts_exclus
> ive _____
  - opts_exclusive "`noci' `nopvalues'"
  = opts_exclusive " "
  _____

> _____ begin opts_exclus
> ive _____
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ```opts'`` != "" {
  = while `""' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
  - exit
  _____

> _____ end opts_exclus
> ive _____
  - local K : list sizeof namelist
  - gettoken c_diopts c_opts : namelist
  - opts_exclusive "`coding' `compare'"
  = opts_exclusive " "
  _____

> _____ begin opts_exclus
> ive _____
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ```opts'`` != "" {
  = while `""' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
  - exit
  _____

> _____ end opts_exclus

```

```

> ive
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "
-----
> ----- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'`opts'"' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
-----
> ----- end opts_exclus
> ive
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
-----
> ----- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'`opts'"' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
-----
> ----- end opts_exclus
> ive
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'

```

```

= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
  }

```



```

        local cformat `"cformat(`cformat')"'
    }
    - if `:length local sformat' {
= if 0 {
        confirm numeric format `sformat'
        if fmtwidth(`"'sformat'"') > 8 {
            local sformat "%8.2f"
            di "{txt}note: invalid sformat(), using default"
        }
        sreturn local sformat `"'sformat'"'
        local sformat `"sformat(`sformat')"'
    }
    - if `:length local pformat' {
= if 0 {
        confirm numeric format `pformat'
        if fmtwidth(`"'pformat'"') > 5 {
            local pformat "%5.3f"
            di "{txt}note: invalid pformat(), using default"
        }
        sreturn local pformat `"'pformat'"'
        local pformat `"pformat(`pformat')"'
    }
    - if `K' == 1 & `:length local options' {
= if 2 == 1 & 17 {
        syntax namelist(max=2) [, `DIOPTS']
    }
    - if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
        local levelopt level(`level')
    }
    - Wraupon , `fvwraupon'
= Wraupon ,

> _____ begin _get_diopts.Wra
> pon _____
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwraupon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive "'word' `width'" fvwraupon
= opts_exclusive " " fvwraupon

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }

> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselevels'
> `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflegend'
> `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fvwrap
> ' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local diopts
    - if `K' == 2 {
    = if 2 == 2 {
        - c_local `c_opts' ``options'
    = c_local options `vce(robust) nolog'
        - }
        - sreturn local coding `coding'
    = sreturn local coding
        - sreturn local versus `versus'
    = sreturn local versus
        - sreturn local compare `compare'
    = sreturn local compare
        - sreturn local level `level'

```

```

        = sreturn local level 95
    _____
> _____ end _get_diopts.GetDio
> pts _____
    - c_local `name1' ``diopts''
    = c_local diopts `''
    - local snames : s(macros)
    - foreach sname of local snames {
    - local S_`sname' = s(`sname')
    = local S_level = s(level)
    - }
    - local S_`sname' = s(`sname')
    = local S_fvops = s(fvops)
    - }
    - sreturn clear
    - GetDiopts DEFAULT
    _____
> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevels NO
> BASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells NOOM
> ITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string) sforma
> t(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAPON(st
> ring) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV AB
> BREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels ALL
> BASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EM
> PTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(s
> tring) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru
> ) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru
> ) NOABBREV ABBREV *]
    - opts_exclusive ``allbaselevels' `noallbaselevels''
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind

```

```

    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nobaselevels'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

```

```

> _____ end opts_exclus
> ive _____
  - opts_exclusive "`emptycells' `noemptycells'"
  = opts_exclusive " "
  _____

> _____ begin opts_exclus
> ive _____
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ``"opts" != "" {
  = while `"" != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
  - exit
  _____

> _____ end opts_exclus
> ive _____
  - opts_exclusive "`fvlabel' `nofvlabel'"
  = opts_exclusive " "
  _____

> _____ begin opts_exclus
> ive _____
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ``"opts" != "" {
  = while `"" != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
  - exit
  _____

> _____ end opts_exclus
> ive _____
  - opts_exclusive "`omitted' `noomitted'"

```

```

= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {

```



```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev` `noabbrev`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels` `noallbaselevels`
= local allbaselevels
    - local baselevels `baselevels` `nobaselevels`
= local baselevels
    - local emptycells `emptycells` `noemptycells`
= local emptycells
    - local omitted `omitted` `noomitted`
= local omitted
    - local lstretch `lstretch` `nolstretch`
= local lstretch
    - local fvlabel `fvlabel` `nofvlabel`
= local fvlabel
    - local abbrev `abbrev` `noabbrev`
= local abbrev
    - if "`allbaselevels` `baselevels`" == "" {

```

```

= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `"cformat(`cformat')"'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `"sformat(`sformat')"'
  }
}

```

```

- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`"pformat"') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `"pformat"'
    local pformat `pformat(pformat)'"'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
}
- Wraupon , `fvwraupon'
= Wraupon ,

> ----- begin _get_diopts.Wra
> pon -----
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwraupon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive "`word' `width'" fvwraupon
    = opts_exclusive " " fvwraupon

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while `"opts"' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {

```

```

        - exit
    _____
> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
    _____
> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselevels'
> `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflegend'
> `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fvwrap
> ' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citytype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
    _____
> _____ end _get_diopts.GetDio
> pts _____
    - if ``name2'' == "" {
    = if ``options'' == "" {
        GetDiopts DUPS, `options'
    }
    - else {
    - GetDiopts DUPS options, `options'
    = GetDiopts DUPS options, vce(robust) nolog
    _____
> _____ begin _get_diopts.GetDio

```

```

> pts
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevels NO
> BASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells NOOM
> ITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string) sforma
> t(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAPON(st
> ring) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV AB
> BREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels ALL
> BASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EM
> PTYcells NOOMITTED OMITTED NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(s
> tring) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru
> ) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru
> ) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "

> _____ begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts`'' != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> _____ end opts_exclus
> ive
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "

> _____ begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts`'' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels` `nobaselevels`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells` `noemptycells`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "

```



```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "

> ----- begin opts_exclus

```

```

> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

>
> end opts_exclus
> ive
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "

>
> begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

>
> end opts_exclus
> ive
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "

>
> begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'

```

```

= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if ``allbaselevels'`baselevels' == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if ``emptycells' == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if ``omitted' == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted

```

```

    }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `"cformat(`cformat')"'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `"sformat(`sformat')"'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `"pformat(`pformat')"'
  }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 17 {
    syntax namelist(max=2) [, `DIOPTS']
  }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
  }
}

```

```

- Wraapon , `fvwraapon'
= Wraapon ,

```

```

> ----- begin _get_diopts.Wra
> pon
- capture syntax [, W0rd WIdth]
- if c(rc) {
  di as err "invalid fvwraapon() option;"
  syntax [, W0rd WIdth]
  exit 198
}
- opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

```

```

> ----- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive
- local fvwraapon `word' `width'
= local fvwraapon
- if `:length local fvwraapon' {
= if 0 {
  c_local fvwraapon fvwraapon(`fvwraapon')
}

```

```

> ----- end _get_diopts.Wra
> pon
- if "`fvwrap'" != "" {
= if "" != "" {
  FVWrap, `fvwrap'
}
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselevels'

```

```

> `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflegend'
> `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fvwrap
> ' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options'''
    = c_local options `"vce(robust) nolog"'
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
    _____
> _____ end _get_diopts.GetDio
> pts _____
    - c_local `name2' ``options'''
    = c_local options `"vce(robust) nolog"'
    - }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS
    - if ``DUPS''' != "" {
    = if `''' != "" {
        if (strpos(`DUPS'', "(")) {
            gettoken DUPS : DUPS, parse("(")
            local DUPS `DUPS'()'
        }
        di as err "duplicate {bf:`DUPS'} option not allowed"
        exit 198
    }
    - sreturn clear
    - foreach sname of local snames {
    - sreturn local `sname' = ``S_`sname''''
    = sreturn local level = `95"'
    - }
    - sreturn local `sname' = ``S_`sname''''
    = sreturn local fvops = `true"'
    - }
    _____
> _____ end _get_dio
> pts _____
    - mlopts mlopts, `options'

```

```

= mlopts mlopts, vce(robust) nolog

```

```

> _____ begin mlo
> pts _____
    - version 8.0
    - local maxoptlist MLOPTs(string) TRace TRACEDiffs GRADient HESSian SHOW
> STEP ITERate(int -1) TOLerance(real -1) LTOLerance(real -1) GTOLerance(real
> -1) NONRTOLerance SHOWNRtolerance SHOWTOLerance NRTOLerance(real -1) QTOLera
> nce(real -1) DIFFicult HALFSTEPonly CONSTraints(string) noCNSNOTes COLLinear
> TECHnique(passthru) VCE(passthru) DOTS depsilon(passthru) SHOWH NOTCONCAVE(
> passthru) USEVIEWS NOLOg LOg nrderiv
    - syntax namelist(id="macro names" min=1 max=2) [, `maxoptlist' * ]
    = syntax namelist(id="macro names" min=1 max=2) [, MLOPTs(string) TRace
> TRACEDiffs GRADient HESSian SHOWSTEP ITERate(int -1) TOLerance(real -1) LTOL
> erance(real -1) GTOLerance(real -1) NONRTOLerance SHOWNRtolerance SHOWTOLera
> nce NRTOLerance(real -1) QTOLerance(real -1) DIFFicult HALFSTEPonly CONSTrai
> nts(string) noCNSNOTes COLLinear TECHnique(passthru) VCE(passthru) DOTS deps
> ilon(passthru) SHOWH NOTCONCAVE(passthru) USEVIEWS NOLOg LOg nrderiv * ]
    - gettoken dest rest : namelist
    - if "`rest'" == "" {
    = if "" == "" {
    - syntax namelist [, `maxoptlist' ]
    = syntax namelist [, MLOPTs(string) TRace TRACEDiffs GRADient HESSian SH
> OWSTEP ITERate(int -1) TOLerance(real -1) LTOLerance(real -1) GTOLerance(rea
> l -1) NONRTOLerance SHOWNRtolerance SHOWTOLerance NRTOLerance(real -1) QTOLe
> rance(real -1) DIFFicult HALFSTEPonly CONSTraints(string) noCNSNOTes COLLine
> ar TECHnique(passthru) VCE(passthru) DOTS depsilon(passthru) SHOWH NOTCONCAV
> E(passthru) USEVIEWS NOLOg LOg nrderiv ]
    - }
    - local mlopts `mlopts' `trace' `tracediffs' `gradient' `hessian' `shows
> tep' `difficult' `halfsteponly' `nonrtolerance' `shownrtolerance' `showtoler
> ance' `dots' `depsilon' `showh' `notconcave' `useviews' `log' `nolog' `nrder
> iv'
    = local mlopts nolog
    - if `tolerance' != -1 {
    = if -1 != -1 {
        local tol "tolerance(`tolerance')"
    }
    - if `ltolerance' != -1 {
    = if -1 != -1 {
        local ltol "ltolerance(`ltolerance')"
    }
    - if `gtolerance' != -1 {
    = if -1 != -1 {
        local gtol "gtolerance(`gtolerance')"
    }
}

```

```

- if `nrtolerance' != -1 {
= if -1 != -1 {
    local nrtol "nrtolerance(`nrtolerance')"
  }
- if `qtolerance' != -1 {
= if -1 != -1 {
    local qtol "qtolerance(`qtolerance')"
  }
- if `iterate' != -1 {
= if -1 != -1 {
    local iter "iterate(`iterate')"
  }
- sreturn clear
- if "`technique'\`vce'" != "" {
= if "vce(robust)" != "" {
- ml_technique, `technique' `vce' nodefault
= ml_technique, vce(robust) nodefault
}

> ----- begin ml_technique
> que
- version 8.0
- syntax [, TECHnique(string) VCE(passthru) noDEFault ]
- sreturn clear
- _vce_parse, argopt(CLuster) opt(Hessian OIM Opg NATIVE Robust) :, `v
> ce'
= _vce_parse, argopt(CLuster) opt(Hessian OIM Opg NATIVE Robust) :, vc
> e(robust)
}

> ----- begin _vce_parse
> rse
- version 10
- _on_colon_parse `0'
= _on_colon_parse , argopt(CLuster) opt(Hessian OIM Opg NATIVE Robus
> t) :, vce(robust)
}

> ----- begin _on_colon_parse
> rse
- version 8.2
- sreturn local before ""
- sreturn local after ""
- gettoken before after : 0, parse(":") bind match(par) quotes
- if "`par'" != "" {
= if "" != "" {
    local before `"(`before)'"
  }
- if ``before'" == ":" {

```



```

> ":" {
    = if `", argopt(CLuster) opt(Hessian OIM Opg NATIVE Robust) "" ==
        sreturn local after `""after'""
        exit
    }
    - while `""COLON'"" != ":" & `""after'"" != "" {
    = while `""' != ":" & `", vce(robust)"" != "" {
    - gettoken COLON after : after, parse(":") bind match(par) quotes
    - if ""par'"" != "" {
    = if "" != "" {
        local before `before' (`COLON')
        local COLON
    }
    - else if `""COLON'"" != ":" {
    = else if `":'"" != ":" {
        local before `""before' `COLON'""
        local COLON
    }
    - }
    - while `""COLON'"" != ":" & `""after'"" != "" {
    = while `":'"" != ":" & `", vce(robust)"" != "" {
        gettoken COLON after : after, parse(":") bind match(par) quotes
        if ""par'"" != "" {
            local before `before' (`COLON')
            local COLON
        }
        else if `""COLON'"" != ":" {
            local before `""before' `COLON'""
            local COLON
        }
    }
    - if `""COLON'"" != ":" {
    = if `":'"" != ":" {
        di as err ""' found where ':' expected"
        exit 198
    }
    - sreturn local before `""before'""
    = sreturn local before `", argopt(CLuster) opt(Hessian OIM Opg NAT
> IVE Robust) ""
        - sreturn local after `""after'""
        = sreturn local after `", vce(robust)""

    _____ end _on_colon_pa
> rse _____
    - local 0 `""s(before)""
    = local 0 `", argopt(CLuster) opt(Hessian OIM Opg NATIVE Robust) ""

```

```

- local user ``s(after)''
= local user `", vce(robust)''
- syntax [varname(default=none)], [ OPTlist(namelist) ARGOPTlist(nam
> elist) PWallowed(namelist) OLD_is_ok NOARGOPT_is_ok ]
- local touse `varlist'
= local touse
- tempname o a
- `o' = ._optlist.new
= .__000000 = ._optlist.new
- class {
- instance:
-     array options = {}
-     array names = {}
- }
- local optlist : list uniq optlist
- foreach name of local optlist {
-     `o'.addopt `name'
= .__000000.addopt Hessian
}

> _____ begin _optlist.add
> opt _____
- version 9
- syntax name(name=optspec) [, PASSthru]
- local mname = lower("`optspec'")
= local mname = lower("Hessian")
- if "`passthru'" != "" {
= if "" != "" {
    local optspec `optspec'(passthru)
}
- .options.Arrpush "`optspec'"
= .options.Arrpush "Hessian"
- .names.Arrpush "`mname'"
= .names.Arrpush "hessian"
}

> _____ end _optlist.add
> opt _____
- }
- `o'.addopt `name'
= .__000000.addopt OIM
}

> _____ begin _optlist.add
> opt _____
- version 9
- syntax name(name=optspec) [, PASSthru]
- local mname = lower("`optspec'")
= local mname = lower("OIM")

```

```

- if "`passthru'" != "" {
= if "" != "" {
    local optspec `optspec'(passthru)
}
- .options.Arrpush "`optspec'"
= .options.Arrpush "OIM"
- .names.Arrpush "`mname'"
= .names.Arrpush "oim"
}
> _____ end _optlist.add
> opt _____
- }
- .`o'.addopt `name'
= .__000000.addopt Opg
}
> _____ begin _optlist.add
> opt _____
- version 9
- syntax name(name=optspec) [, PASSthru]
- local mname = lower("`optspec'")
= local mname = lower("Opg")
- if "`passthru'" != "" {
= if "" != "" {
    local optspec `optspec'(passthru)
}
- .options.Arrpush "`optspec'"
= .options.Arrpush "Opg"
- .names.Arrpush "`mname'"
= .names.Arrpush "opg"
}
> _____ end _optlist.add
> opt _____
- }
- .`o'.addopt `name'
= .__000000.addopt NATIVE
}
> _____ begin _optlist.add
> opt _____
- version 9
- syntax name(name=optspec) [, PASSthru]
- local mname = lower("`optspec'")
= local mname = lower("NATIVE")
- if "`passthru'" != "" {
= if "" != "" {
    local optspec `optspec'(passthru)
}
}

```

```

        - .options.Arrpush "`optspec'"
        = .options.Arrpush "NATIVE"
        - .names.Arrpush "`mname'"
        = .names.Arrpush "native"
    }
}

> ----- end _optlist.add
> opt
    - }
    - .`o'.addopt `name'
    = .__000000.addopt Robust
}

> ----- begin _optlist.add
> opt
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("Robust")
    - if "`passthru'" != "" {
    = if "" != "" {
        local optspec `optspec'(passthru)
    }
    - .options.Arrpush "`optspec'"
    = .options.Arrpush "Robust"
    - .names.Arrpush "`mname'"
    = .names.Arrpush "robust"
}

> ----- end _optlist.add
> opt
    - }
    - .`a' = ._optlist.new
    = .__000001 = ._optlist.new
    - local argoptlist : list uniq argoptlist
    - foreach name of local argoptlist {
    - .`a'.addopt `name'
    = .__000001.addopt CLuster
}

> ----- begin _optlist.add
> opt
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("CLuster")
    - if "`passthru'" != "" {
    = if "" != "" {
        local optspec `optspec'(passthru)
    }
}

```

```

- .options.Arrpush "`optspec'"
= .options.Arrpush "CLuster"
- .names.Arrpush "`mname'"
= .names.Arrpush "cluster"

```

```

> _____ end _optlist.add
> opt _____
- }
- local OPTNAMES ```.`o'.dumpnames''''

```

```

> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arnels' {
= forval i = 1/5 {
- local namelist `namelist' `.names['i']'
= local namelist hessian
- }
- local namelist `namelist' `.names['i']'
= local namelist hessian oim
- }
- local namelist `namelist' `.names['i']'
= local namelist hessian oim opg
- }
- local namelist `namelist' `.names['i']'
= local namelist hessian oim opg native
- }
- local namelist `namelist' `.names['i']'
= local namelist hessian oim opg native robust
- }
- local namelist : list uniq namelist
- sreturn local namelist ``namelist'''
= sreturn local namelist "hessian oim opg native robust"
- class exit ``namelist'''
= class exit "hessian oim opg native robust"

```

```

> _____ end _optlist.dumpna
> mes _____
= local OPTNAMES "hessian oim opg native robust"
- local ARGOPTNAMES ```.`a'.dumpnames''''

```

```

> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arnels' {
= forval i = 1/1 {

```

```

- local namelist `namelist' `.names['i']'
= local namelist cluster
- }
- local namelist : list uniq namelist
- sreturn local namelist ``namelist'''
= sreturn local namelist `cluster'
- class exit ``namelist'''
= class exit `cluster'

```

```

> _____ end _optlist.dumpna
> mes _____
= local ARGOPTNAMES `cluster'
- local AND : list OPTNAMES & ARGOPTNAMES
- if `:list sizeof AND' {
= if 0 {
di as err "vctype `:word 1 of `AND'' specified twice"
exit 198
}
- local pwallowed : list uniq pwallowed
- local pwlist robust cluster
- foreach n of local pwallowed {
local lc = lower("`n'")
local pwlist `pwlist' `lc'
}
- if "`old_is_ok'" != "" {
= if "" != "" {
local ROBUST robust
if `:list ROBUST in OPTNAMES' {
local robust Robust
}
local CLUSTER cluster
if `:list CLUSTER in ARGOPTNAMES' {
local cluster CLuster(varname)
}
}
- local 0 ``user'''
= local 0 `", vce(robust)'''
- syntax [fw aw pw iw] [, VCE(string asis) `robust' `cluster' ]
= syntax [fw aw pw iw] [, VCE(string asis) ]
- if ``vce''' != "" {
= if `robust' != "" {
- gettoken name args : vce, parse(" ,")
- local args : list retok args
- capture ParseVCE `o' `a' , `name'
= capture ParseVCE __000000 __000001 , robust

```

```

> _____ begin _vce_parse.Parse
> VCE _____
    - gettoken 0 0 : 0, parse(" ,")
    - gettoken A 0 : 0, parse(" ,")
    - local OPTSPECS `""`.`0'.dumpoptions' `.`A'.dumpoptions''
    _____

> _____ begin _optlist.dumpopti
> ons _____
    - version 9
    - forval i = 1/`.options.arnels' {
    = forval i = 1/5 {
    - local optlist `optlist' `.options[`i']'
    = local optlist Hessian
    - }
    - local optlist `optlist' `.options[`i']'
    = local optlist Hessian OIM
    - }
    - local optlist `optlist' `.options[`i']'
    = local optlist Hessian OIM Opg
    - }
    - local optlist `optlist' `.options[`i']'
    = local optlist Hessian OIM Opg NATIVE
    - }
    - local optlist `optlist' `.options[`i']'
    = local optlist Hessian OIM Opg NATIVE Robust
    - }
    - local optlist : list uniq optlist
    - sreturn local optlist `""`optlist'''
    = sreturn local optlist `"Hessian OIM Opg NATIVE Robust"'
    - class exit `""`optlist'''
    = class exit `"Hessian OIM Opg NATIVE Robust"'
    _____

> _____ end _optlist.dumpopti
> ons _____

> _____ begin _optlist.dumpopti
> ons _____
    - version 9
    - forval i = 1/`.options.arnels' {
    = forval i = 1/1 {
    - local optlist `optlist' `.options[`i']'
    = local optlist CLuster
    - }
    - local optlist : list uniq optlist
    - sreturn local optlist `""`optlist'''
    = sreturn local optlist `"CLuster"'

```

```

- class exit ``optlist'''
= class exit `CLuster'''


---


> _____ end _optlist.dumpopti
> ons _____
    = local OPTSPECS `"Hessian OIM Opg NATIVE Robust CLuster"'
    - local OPTNAMES ```.0'.dumpnames' `.`A'.dumpnames'''
    _____
> _____ begin _optlist.dumpna
> mes _____
    - version 9
    - forval i = 1/`.names.arnels' {
    = forval i = 1/5 {
    - local namelist `namelist' `.names['i']'
    = local namelist hessian
    - }
    - local namelist `namelist' `.names['i']'
    = local namelist hessian oim
    - }
    - local namelist `namelist' `.names['i']'
    = local namelist hessian oim opg
    - }
    - local namelist `namelist' `.names['i']'
    = local namelist hessian oim opg native
    - }
    - local namelist `namelist' `.names['i']'
    = local namelist hessian oim opg native robust
    - }
    - local namelist : list uniq namelist
    - sreturn local namelist ``namelist'''
    = sreturn local namelist `hessian oim opg native robust"'
    - class exit ``namelist'''
    = class exit `hessian oim opg native robust"'
    _____
> _____ end _optlist.dumpna
> mes _____
    _____
> _____ begin _optlist.dumpna
> mes _____
    - version 9
    - forval i = 1/`.names.arnels' {
    = forval i = 1/1 {
    - local namelist `namelist' `.names['i']'
    = local namelist cluster
    - }
    - local namelist : list uniq namelist

```



```

- sreturn local namelist ``namelist'''
= sreturn local namelist "cluster"
- class exit ``namelist'''
= class exit "cluster"

```

```

> _____ end _optlist.dumpna
> mes _____
    = local OPTNAMES "hessian oim opg native robust cluster"
    - syntax [, `OPTSPECS']
    = syntax [, Hessian OIM Opg NATIVE Robust CLuster]
    - foreach OPT of local OPTNAMES {
    - if ````OPT'''' != "" {
    = if ```` != "" {
      return local vce `OPT'
      continue, break
    }
    - }
    - if ````OPT'''' != "" {
    = if ```` != "" {
      return local vce `OPT'
      continue, break
    }
    - }
    - if ````OPT'''' != "" {
    = if ```` != "" {
      return local vce `OPT'
      continue, break
    }
    - }
    - if ````OPT'''' != "" {
    = if ```` != "" {
      return local vce `OPT'
      continue, break
    }
    - }
    - if ````OPT'''' != "" {
    = if "robust" != "" {
      - return local vce `OPT'
    = return local vce robust
      - continue, break
    }
    }

```

```

> _____ end _vce_parse.Parse
> VCE _____
    - if c(rc) {

```

```

        di as err "vcetype {bf:`name'} not allowed"
        exit 198
    }
    - local name `r(vce)'
    = local name robust
    - if "`weight'" == "pweight" & !`:list name in pwlist' {
    = if "" == "pweight" & !1 {
        di as err "pweights are not allowed with vce(`name')"
        exit 198
    }
    - return add
    - if ``"robust"' != "" & !inlist("`name'", "", "robust", "eim", "oim", "
> cluster") {
    = if `"' != "" & !inlist("robust", "", "robust", "eim", "oim", "cluster"
> ) {
        opts_exclusive "`robust' vce(`name')"
    }
    - if "`name'" == "cluster" {
    = if "robust" == "cluster" {
        if ``"args"' == "" {
            di as err "invalid vce(cluster) option"
            exit 198
        }
        confirm var `args'
        unab args : `args'
        local markout `args'
        if "`cluster'" != "" {
            if !`:list args == cluster' {
                di as err "options cluster() and vce(cluster) are in conflict"
                exit 100
            }
        }
    }
    - else if "`cluster'" != "" & !inlist("`name'", "eim", "oim") {
    = else if "" != "" & !inlist("robust", "eim", "oim") {
        opts_exclusive "cluster() vce(`name')"
    }
    - if ``"args"' != "" {
    = if `"' != "" {
        if !`:list name in ARGOPTNAMES' {
            di as err "invalid vce() option"
            exit 198
        }
        if "`name'" == "hc2" {
            confirm var `args'
            unab args : `args'

```

```

    local markout `args'
  }
  return local vceargs ``':list retok args'''
}
- else if `:list name in ARGOPTNAMES' {
= else if 0 {
  if "`noargopt_is_ok'" == "" {
    di as err "invalid vce() option"
    exit 198
  }
}
- }
- else {
  if "`weight'" == "pweight" | "`robust'" != "" {
    local vce robust
  }
  if "`cluster'" != "" {
    local vce cluster
    local args `cluster'
    local markout `cluster'
  }
  return local vce ``vce'''
  return local vceargs ``args'''
}
- if "`return(vce)'" != "" {
= if "robust" != "" {
- if ``return(vceargs)''' != "" {
= if `''' != "" {
  local ss " "
}
- return local vceopt `"vce(`return(vce)''ss'`return(vceargs)')'"
= return local vceopt `"vce(robust)'"
- }
- if "`return(vce)'" == "cluster" {
= if "robust" == "cluster" {
  return local cluster `return(vceargs)'
}
- if inlist("`return(vce)'", "robust", "cluster") {
= if inlist("robust", "robust", "cluster") {
- return local robust robust
- }
- if "`touse'" != "" {
= if "" != "" {
  if "`markout'" != "" {
    markout `touse' `markout', strok
  }
}

```

```

    }
}
> ----- end _vce_pa
> rse -----
- sreturn local vce ``r(vce)''
= sreturn local vce "robust"
- sreturn local vceargs ``r(vceargs)''
= sreturn local vceargs ""
- sreturn local vceopt ``r(vceopt)''
= sreturn local vceopt "vce(robust)"
- if "`s(vce)'" == "hessian" {
= if "robust" == "hessian" {
    sreturn local vce "oim"
    sreturn local vceopt "vce(oim)"
}
- if "$ML_vce" == "robust" & !inlist("`s(vce)'", "", "oim", "robust")
> {
= if "" == "robust" & !inlist("robust", "", "oim", "robust") {
    di as err "options robust and vce(`s(vce)') may not be combined"
    exit 198
}
- get_technique `technique', `default'
= get_technique , nodefault
> ----- begin ml_technique.get_techni
> que -----
- syntax [anything(equalok)] [, noDefault ]
- local 0 ``anything''
= local 0 ""
- if "`default'" == "" {
= if "nodefault" == "" {
    local default_num 5
}
- else local default_num 0
- gettoken tname rest : 0, parse(" =")
- while "`tname'" != "" {
= while "" != "" {
    local tname = lower("`tname'")
    capture confirm name `tname'
    if _rc {
        local rc = _rc
        di as err "`tname' is an invalid name in technique() option"
        exit `rc'
    }
    get_tech tech , `tname'
    gettoken num : rest, parse(" =")

```

```

        if "`num'" == "=" {
            gettoken num rest : rest, parse("=")
            gettoken num : rest, parse("=")
        }
        capture confirm integer number `num'
        if !_rc gettoken num rest : rest, parse("=")
        else local num `default_num'
        if `num' < 0 {
            di as err "negative integers are not allowed in technique() option
> "

            exit 125
        }
        else if `num' > 0 {
            local techlist `techlist' `tech'
            local numlist `numlist' `num'
            local technique `technique' `tech' `num'
        }
        else if "`default'" != "" {
            local techlist `techlist' `tech'
            local numlist `numlist' `num'
            local technique `technique' `tech'
        }
        gettoken tname rest : rest, parse("=")
    }
    - if "`default'`techlist'" == "" {
= if "nodefault" == "" {
    local techlist nr
    local numlist `default_num'
}
    - if "`default'" == "" {
= if "nodefault" == "" {
    sreturn local techlist `:list retok techlist'
    sreturn local numlist `:list retok numlist'
}
    - sreturn local technique `:list retok technique'
= sreturn local technique
}

> _____ end ml_technique.get_techni
> que _____

> _____ end ml_techni
> que _____

    - if ``s(technique)'' != "" {
= if `""' != "" {
    local technique "technique(`s(technique))"
}

```

```

- if "`s(vce)'" != "" {
= if "robust" != "" {
- local vce "`s(vceopt)'"
= local vce "vce(robust)"
- }
- sreturn local technique "`technique'"
= sreturn local technique ""
- sreturn local vce "`vce'"
= sreturn local vce "vce(robust)"
- }
- if "`constraints'" != "" {
= if "" != "" {
capture confirm name `constraints'
if _rc {
CheckClist constraints , constraints(`constraints')
}
else {
CheckCmat `constraints'
}
local const "constraints(`constraints')"
sreturn local constraints "`constraints'"
}
- sreturn local collinear "`collinear'"
= sreturn local collinear ""
- c_local `dest' `mlopts' `tol' `ltol' `gtol' `nrtol' `iter' `const' `cn
> snotes' `collinear' `technique' `vce' `qtol'
= c_local mlopts nolog vce(robust)
- if "`rest'" != "" {
= if "" != "" {
c_local `rest' ``options''
}
}

> _____ end mlo
> pts _____
- local coll `s(collinear)'
= local coll
- local cns `s(constraints)'
= local cns
- local mlopts `mlopts' `critttype'
= local mlopts nolog vce(robust)
- if ``score' != "" {
= if ``' != "" {
confirm new variable `score'
local nword : word count `score'
if `nword' > 1 {
di in red "score() must contain the name of only " "one new variable"

```

```

exit 198
}
tempvar scvar
local scopt score(`scvar')
}
- if "`offset'"!="" & "`exposur'"!="" {
= if ""!="" & ""!="" {
di in red "only one of offset() or exposure() can be specified"
exit 198
}
- if "`constan'"!="" {
= if ""!="" {
local nvar : word count `varlist'
if `nvar' == 1 {
di in red "independent variables required with " "noconstant option"
exit 100
}
}
- marksample touse
- if ``cluster'"!="" {
= if `""'!="" {
markout `touse' `cluster', strok
local clopt cluster(`cluster')
}
- if "`exposur'"!="" {
= if ""!="" {
capture assert `exposur' > 0 if `touse'
if _rc {
di in red "exposure() must be greater than zero"
exit 459
}
tempvar offset
qui gen double `offset' = ln(`exposur')
local offvar "ln(`exposur')"
```

```

}
- if "`offset'"!="" {
= if ""!="" {
markout `touse' `offset'
local offopt "offset(`offset')"
```

```

if "`offvar'"=="" {
local offvar "`offset'"
}
}
- gettoken y xvars : varlist
- _fv_check_depvar `y'
= _fv_check_depvar piq_timing_max

```

```

- tsunab y : `y'
= tsunab y : piq_timing_max

```

```

> ----- begin tsu
> nab -----
- version 6
- gettoken user 0: 0, parse(" :")
- gettoken colon 0: 0, parse(" :")
- if ``colon''' != ":" { error 198 }
= if ``:"''' != ":" { error 198 }
- syntax [varlist(ts default=empty)] [, MIN(integer 1) MAX(integer 32000
> ) NAME(string)]
- c_local `user' `varlist'
= c_local y piq_timing_max
- local n : word count `varlist'
= local n : word count piq_timing_max
- if `n'>=`min' & `n'<=`max' { exit }
= if 1>=1 & 1<=32000 { exit }

```

```

> ----- end tsu
> nab -----
- local yname : subinstr local y "." "_"
- if ``weight'''!="" {
= if ""!="" {
if ``weight'''=="fweight" {
local wt `[fw`exp']''
}
else if ``weight'''=="iweight" {
local wt `[iw`exp']''
}
else local wt `[aw`exp']''
}
- summarize `y' `wt' if `touse', meanonly
= summarize piq_timing_max if __000000, meanonly
- if r(N) == 0 { error 2000 }
- if r(N) == 1 { error 2001 }
- if r(min) < 0 {
di in red ``y' must be greater than or equal to zero"
exit 459
}
- if r(min) == r(max) & r(min) == 0 {
di in red ``y' is zero for all observations"
exit 498
}
- tempname mean nobs
- scalar `mean' = r(mean)

```



```

= scalar __000001 = r(mean)
- scalar `nobs' = r(N)
= scalar __000002 = r(N)
- if "`display'"==" " {
= if ""==" " {
- capture assert `y' == int(`y') if `touse'
= capture assert piq_timing_max == int(piq_timing_max) if __000000
- if _rc {
__New_Note `0'
}
- }
- if "`display'"==" " & "`weight'"=="aweight" {
= if ""==" " & ""=="aweight" {
di in blu "note: you are responsible for interpretation " "of analytic w
> eights."
}
- if "`constan`cns'"==" " & "`cluster'"==" " & "`weight'"!="pweight" {
= if ""==" " & ""==" " & ""!="pweight" {
- tempname c
- if "`offset'"!=" " {
= if ""!=" " {
SolveC `y' `offset' [`weight'`exp'] if `touse', n(`nobs') mean(`mean')
scalar `c' = r(_cons)
if `c'>=. {
di in blu "note: exposure = exp(`offvar') overflows;" _n " could no
> t estimate constant-only model" _c
if "`exposur'"==" " {
di in blu _n " use exposure() option for exposure = `offvar'."
}
else di in blu "."
local cfail 1
}
local c "`c'+`offset'"
}
- else scalar `c' = ln(`mean')
= else scalar __000003 = ln(__000001)
- if "`cfail'"==" " {
= if ""==" " {
- LikePois `y' `c' [`weight'`exp'] if `touse', n(`nobs')
= LikePois piq_timing_max __000003 [] if __000000, n(__000002)
}
}

> _____ begin poisson.LikeP
> ois _____
- gettoken y 0 : 0
- gettoken xb 0 : 0
- syntax [fw aw pw iw] [if] , Nobs(string)

```

```

- if "`weight'"!="" {
= if ""!="" {
    if "`weight'"=="fweight" {
        local wt `[fw`exp']''
    }
    else if "`weight'"=="iweight" {
        local wt `[iw`exp']''
    }
    else local wt `[aw`exp']''
}
- tempvar lnf
- qui gen double `lnf' = `y'*(`xb')-exp(`xb')-lgamma(`y'+1) `if'
= qui gen double __000004 = piq_timing_max*(__000003)-exp(__000003)-lnga
> mma(piq_timing_max+1) if __000000
- summarize `lnf' `wt' `if', meanonly
= summarize __000004 if __000000, meanonly
- if r(N) != `nobs' { exit }
= if r(N) != __000002 { exit }
- if "`weight'"=="aweight" {
= if ""=="aweight" {
    ret scalar lnf = r(N)*r(mean)
}
- else ret scalar lnf = r(sum)

> _____ end poisson.LikeP
> ois _____
- if r(lnf)<. {
- local ll0 "lf0(1 `r(lnf)')'"
= local ll0 "lf0(1 -400.0562426994474)'"
- }
- else {
di in blu "note: could not compute " "constant-only model log likelihood
> ."
}
- }
- }
- if `fvops' {
= if 1 {
- local rmcoll "version 11: _rmcoll"
- }
- else local rmcoll _rmcoll
- if "`display'"!="" & "`weight'"=="aweight" {
= if ""!="" & ""=="aweight" {
    `rmcoll' `xvars' [iw`exp'] if `touse', `constan' `coll'
}
- else `rmcoll' `xvars' [weight`exp'] if `touse', `constan' `coll'

```

```

= else version 11: _rmcoll rule_g rule_itr estimated i.cb_authors_ext#i.v
> int_late i.cb_authors_ext#i.vint_mid ln_neq i.vint_mid#i.est_early est_late
> est_early i.vint_late#i.est_early i.vint_late#i.est_late vint_early cb_autho
> rs_ext i.vint_mid#i.est_late vint_mid vint_late i.cb_authors_ext#i.est_early
> i.cb_authors_ext#i.est_late [] if __000000,
note: 1.cb_authors_ext#0.vint_late omitted because of collinearity.
note: 1.cb_authors_ext#1.vint_late omitted because of collinearity.
note: 0.cb_authors_ext#1.vint_mid omitted because of collinearity.
note: 1.cb_authors_ext#0.vint_mid omitted because of collinearity.
note: 1.cb_authors_ext#1.vint_mid omitted because of collinearity.
note: 1.vint_mid#0.est_early omitted because of collinearity.
note: 1.vint_mid#1.est_early omitted because of collinearity.
note: est_early omitted because of collinearity.
note: 0.vint_late#1.est_early omitted because of collinearity.
note: 1.vint_late#0.est_early omitted because of collinearity.
note: 1.vint_late#1.est_early omitted because of collinearity.
note: 0.vint_late#1.est_late omitted because of collinearity.
note: 1.vint_late#0.est_late omitted because of collinearity.
note: 1.vint_late#1.est_late omitted because of collinearity.
note: 0.vint_mid#1.est_late omitted because of collinearity.
note: 1.vint_mid#0.est_late omitted because of collinearity.
note: 1.vint_mid#1.est_late omitted because of collinearity.
note: vint_late omitted because of collinearity.
note: 1.cb_authors_ext#0.est_early omitted because of collinearity.
note: 1.cb_authors_ext#1.est_early omitted because of collinearity.
note: 0.cb_authors_ext#1.est_late omitted because of collinearity.
note: 1.cb_authors_ext#0.est_late omitted because of collinearity.
note: 1.cb_authors_ext#1.est_late omitted because of collinearity.
- local xvars `r(varlist)'
= local xvars rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.
> cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#
> 1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.
> cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#
> 0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o
> .est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.es
> t_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.
> est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.e
> st_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est
> _late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0
> b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ex
> t#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late
> 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ex
> t#1o.est_late
- if "`from'"==" " {
= if ""==" " {
- `vv' Ipois `y' `xvars' [`weight'`exp'] if `touse', n(`nobs') mean(`mean'

```

```

> ) `constan' `offopt'
    = version 18.5, missing: Ipois piq_timing_max rule_g rule_itr estimated 0b
> .cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext
> #0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0
> b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext
> #1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint
> _mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late
> #0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_la
> te#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_la
> te#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mi
> d#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o
> .est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_
> ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_earl
> y 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_
> ext#0b.est_late 1o.cb_authors_ext#1o.est_late [] if __000000, n(__000002) me
> an(__000001)

-----
> ----- begin poisson.Ip
> ois -----
    - local vv : display "version " string(_caller()) ", missing:"
    - version 6, missing
    - syntax varlist(fv ts) [fw aw pw iw/] [if] , Nobs(string) Mean(string)
> [ noCONstant OFFset(string) ]
    - gettoken y xvars : varlist
    - tempvar xb z
    - tempname b1 b2 lnf1
    - if "`weight'"!="" {
    = if ""!="" {
        local awt `[aw=`exp']"'
        local wt `"(`exp')*"'
        local exp `"'=`exp'"'
    }
    - quietly {
    - if "`offset'"!="" {
    = if ""!="" {
        tempvar ynew
        gen double `ynew' = `y' - `offset'*`mean' `if'
        local poff "+`offset'"
    }
    - else local ynew `y'
    = else local ynew piq_timing_max
    - `vv' _regress `ynew' `xvars' `awt' `if', `constan'
    = version 18.5, missing: _regress piq_timing_max rule_g rule_itr estima
> ted 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_autho
> rs_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint
> _mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_autho

```

```
> _____ begin _get_mcomp
```

```

- else {
- syntax [name] [, MCOMPare(string) *]
- local suboption mcompare()
- }
- sreturn clear
- sreturn local options ``options''
= sreturn local options ``level(95.00) fvwrap(1)''
- if `is_pwc' {
= if 0 {
    local METHOD `noadjust' `bonferroni' `duncan' `dunnett' `scheffe'
> `sidak' `snk' `tukey'
    local METHOD : list uniq METHOD
    opts_exclusive ``METHOD''
    local ALL `adjustall'
    opts_exclusive ``noadjust' `ALL''
    }
- local 0 `", `mcompare''
= local 0 `", ''
- capture syntax [, `OPTIONS']
= capture syntax [, NOADJust BONferroni DUNCan DUNNett SCHeffe SIDak
> SNK TUKey ADJustall]
- if c(rc) {
    di as err "invalid mcompare() option;"
    di as err "method ``mcompare'' not allowed"
    error 198
    }
- local METHOD `METHOD' `noadjust' `bonferroni' `duncan' `dunnett' `
> scheffe' `sidak' `snk' `tukey'
= local METHOD
- local METHOD : list uniq METHOD
- local ALL `ALL' `adjustall'
= local ALL
- local ALL : list uniq ALL
- opts_exclusive ``METHOD'' `suboption'
= opts_exclusive `` mcompare()

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `""' != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - if "`METHOD'" == "" {
= if "" == "" {
    - if "`ALL'" != "" {
= if "" != "" {
        di as err "multiple comparison method required with the adjustall
> option"
        exit 198
    }
    - local METHOD noadjust
    - local noadjust noadjust
    - }
    - opts_exclusive "`ALL' `noadjust'" `suboption'
= opts_exclusive " noadjust" mcompare()
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts  noadjust
    - local n 0
    - while ```opts'"" != "" {
= while `"noadjust" != "" {
    - local ++n
    - gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
    - }
    - while ```opts'"" != "" {
= while `"" != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 1 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----

```

```

- local EXCLUDE duncan dunnett snk tukey
- if `:list METHOD in EXCLUDE' {
= if 0 {
  if `is_pwc' {
    local opt : copy local METHOD
  }
  else {
    local opt "mcompare(`METHOD')"
  }
  local cmdlist anova manova regress mvreg pwmean
  if "`cmd'" == "pwcompare" {
    local cmd ``e(cmd_est)'''
  }
  if `is_marg' {
    local cmd margins
  }
  if !`:list cmd in cmdlist' | !`is_pwc' {
    di as err ``method `opt' is not allowed with results from `cmd'''
    exit 322
  }
  if ``e(prefix)''' == "svy" {
    di as err ``method `opt' is not allowed with results using the svy
> prefix'''
    exit 322
  }
  local vce ``e(vce)'''
  if !inlist("`vce'", "", "ols") {
    di as err ``method `opt' is not allowed with results using vce(`vc
> e')'''
    exit 322
  }
}
- local EXCLUDE duncan dunnett snk tukey scheffe
- if `:list METHOD in EXCLUDE' {
= if 0 {
  if "`ALL'" != "" {
    di as err ``option adjustall is not allowed with method `METHOD'''
    exit 198
  }
}
- sreturn local method ``METHOD'''
= sreturn local method ``noadjust'''
- sreturn local adjustall ``ALL'''
= sreturn local adjustall `'''

> _____ end _get_mcomp

```



```

> are
- if "`s(method)'" != "" {
= if "noadjust" != "" {
- loca mcopt mcompare(`s(method)' `s(adjustall)')
= loca mcopt mcompare(noadjust )
- }
- _get_diopts diopts, `s(options)'
= _get_diopts diopts, level(95.00) fvwrap(1)

> _____ begin _get_dio
> pts
- version 11
- syntax namelist(max=2) [, *]
- gettoken name1 namelist : namelist
- gettoken name2 namelist : namelist
- GetDiopts diopts options, `options'
= GetDiopts diopts options, level(95.00) fvwrap(1)

> _____ begin _get_diopts.GetDio
> pts
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevel
> s NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells
> NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string) sf
> ormat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAP0
> N(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBRE
> V ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels
> ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcell
> s EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cform
> at(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pass
> thru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pass
> thru) NOABBREV ABBREV *]
- opts_exclusive "`allbaselevels' `noallbaselevels'"
= opts_exclusive " "

> _____ begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nbaselevels'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nbaselevels'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```

```

        - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____

```

```

- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
      local ++n
      gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
      local ++n
      gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus

```

```

> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

>
> end opts_exclus
> ive
    - opts_exclusive ``coeflegend' `selegend'
    = opts_exclusive " "

>
> begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

>
> end opts_exclus
> ive
    - opts_exclusive ``noci' `nopvalues'
    = opts_exclusive " "

>
> begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'

```

```

= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev

```

```

- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')'
  }

```



```

    }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`"'pformat'"') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `"'pformat'"'
    local pformat `"'pformat(`pformat')"'
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
}
- Wraupon , `fvwraupon'
= Wraupon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwraupon() option;"
    syntax [, W0rd WIdth]
    exit 198
}
- opts_exclusive "'word' `width'" fvwraupon
= opts_exclusive " " fvwraupon

```

```

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'opts'"' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
    _____
> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "fvwrap(1)" != "" {
    - FVWrap, `fvwrap'
    = FVWrap, fvwrap(1)
    _____
> _____ begin _get_diopts.FVW
> rap _____
    - syntax, fvwrap(integer)
    - if `fvwrap' < 0 {
    = if 1 < 0 {
        di as err "{p}invalid option {bf:fvwrap(`fvwrap')}"; " "nonnega
> tive integer required{p_end}"
        exit 198
    }
    _____
> _____ end _get_diopts.FVW
> rap _____
    - }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> els' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflege
> nd' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fv
> wrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local diopts fvwrap(1)
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options''
    = c_local options `''
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus

```

```

        - sreturn local compare `compare'
        = sreturn local compare
        - sreturn local level `level'
        = sreturn local level 95
    _____
> _____ end _get_diopts.GetDio
> pts _____
    - c_local `name1' ``dipts'''
    = c_local diopts `fvwrap(1)''
    - local snames : s(macros)
    - foreach sname of local snames {
    - local S_`sname' = s(`sname')
    = local S_level = s(level)
    - }
    - local S_`sname' = s(`sname')
    = local S_method = s(method)
    - }
    - local S_`sname' = s(`sname')
    = local S_options = s(options)
    - }
    - sreturn clear
    - GetDiopts DEFAULT
    _____
> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevel
> s NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells
> NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string) sf
> ormat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAP0
> N(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBRE
> V ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels
> ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcell
> s EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cform
> at(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pass
> thru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pass
> thru) NOABBREV ABBREV *]
    - opts_exclusive ``allbaselevels' `noallbaselevels''
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'

```

```

= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nbaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nbaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
    -----
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
    -----
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
    -----
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
    -----
> ----- end opts_exclus

```

```

> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
-----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
-----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
-----

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive ``coding' `compare'
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive ``versus' `compare'
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____

```



```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'

```

```

= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {

```

```

local sformat "%8.2f"
di "{txt}note: invalid sformat(), using default"
}
sreturn local sformat ``sformat''
local sformat `sformat(`sformat')`
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth(`pformat') > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat ``pformat''
local pformat `pformat(`pformat')`
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraupon , `fvwraupon'
= Wraupon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwraupon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive ``word' `width' fvwraupon
= opts_exclusive " " fvwraupon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }

> ----- end _get_diopts.Wra
> pon -----
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> els' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflege
> nd' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fv
> wrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95

> ----- end _get_diopts.GetDio
> pts -----
    - if ``name2'' == "" {
    = if ``' == "" {
    - GetDiopts DUPS, `options'

```

```

        = GetDiopts DUPS,
    _____
> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevel
> s NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells
> NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string) sf
> ormat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAP0
> N(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBRE
> V ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels
> ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcell
> s EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cform
> at(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pass
> thru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pass
> thru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'

```

```

= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive ``baselevels' `nobaselevels'
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive ``emptycells' `noemptycells'
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```



```

> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
-----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
-----

> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"

```

```

= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - opts_exclusive ``versus' `compare'
    = opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - opts_exclusive ``abbrev' `noabbrev'
    = opts_exclusive " "
> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {

```

```

= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "\lstretch" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth(`""cformat'') > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat `""cformat'
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth(`""sformat'') > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat `""sformat'
  local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth(`""pformat'') > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat `""pformat'
  local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {

```

```

= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
}
- Wraapon , `fvwraapon'
= Wraapon ,

> _____ begin _get_diopts.Wra
> pon _____
  - capture syntax [, W0rd WIdth]
  - if c(rc) {
    di as err "invalid fvwraapon() option;"
    syntax [, W0rd WIdth]
    exit 198
  }
  - opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

> _____ begin opts_exclus
> ive _____
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
= local opts
  - local n 0
  - while ```opts'"" != "" {
= while `""' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
= if 0 < 2 {
  - exit

> _____ end opts_exclus
> ive _____
  - local fvwraapon `word' `width'
= local fvwraapon
  - if `:length local fvwraapon' {
= if 0 {
    c_local fvwraapon fvwraapon(`fvwraapon')
  }

> _____ end _get_diopts.Wra
> pon _____
  - if "`fvwrap'" != "" {
= if "" != "" {

```

```

        FWWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> els' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflege
> nd' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fv
> wrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95

```

```

> _____ end _get_diopts.GetDio
> pts _____
    - }
    - else {
        GetDiopts DUPS options, `options'
        c_local `name2' ``options''
    }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS
    - if ``DUPS'' != "" {
    = if `'' != "" {
        if (strpos(`DUPS', "(")) {
            gettoken DUPS : DUPS, parse("(")
            local DUPS `DUPS'()'
        }
        di as err "duplicate {bf:`DUPS'} option not allowed"
        exit 198
    }
    - sreturn clear
    - foreach sname of local snames {
    - sreturn local `sname' = ``S_`sname''
    = sreturn local level = `95'
    - }
    - sreturn local `sname' = ``S_`sname''
    = sreturn local method = `noadjust'
    - }

```

```

- sreturn local `sname' = ``S_`sname'""
= sreturn local options = ``level(95.00) fvwrap(1)""
- }

> _____ end _get_dio
> pts _____
- if !`:length local first' {
= if !0 {
- local first showeqns
- }
- if `neq' < 1 {
= if -1 < 1 {
- _ms_eq_info
- local neqopt neq(`r(k_eq)')
= local neqopt neq(1)
- }
- else {
local neqopt neq(`neq')
}
- _coef_table, nodiparm nocnsreport noeqcheck eformall `eform' `first'
> `neqopt' `plus' `beta' `mcopt' `diopts'
= _coef_table, nodiparm nocnsreport noeqcheck eformall showeqns neq(1)
> ) mcompare(noadjust ) fvwrap(1)

> _____ begin _coef_ta
> ble _____
- version 11
- local vv : di "version " string(max(11,_caller())) ", missing:"
- if (!c(noisily) & c(coeftabresults) == "off") {
exit
}
- _check_eclass
- syntax [, BMATrix(passthru) VMATrix(passthru) * ]
- if ``e(b)'" == "" & ``e(V)'" == "" & ``bmatrix'`vmatrix'""=="" {
= if "matrix" == "" & "matrix" == "" & ""=="" {
exit
}
- local mc_cmds contrast margins pwcompare pwmean
- local cmd ``e(cmd)'"
= local cmd "regress"
- local keepmc : list cmd in mc_cmds
- if inlist("`cmd'", "pwcompare", "pwmean") {
= if inlist("regress", "pwcompare", "pwmean") {
local groups GROUPS
}
- if ``cmd'" == "regress" {

```

```

= if "regress" == "regress" {
- local beta Beta
- }
- if "`cmd'" == "gsem" {
= if "regress" == "gsem" {
  local fvignore fvignore(int 0)
  local flignore flignore
  }
- if "`cmd'" == "sem" {
= if "regress" == "sem" {
  local standardized STANDARDIZED
  local showginvariant SHOWGINvariant
  local nolabel NOLABel LABel NOFVLABel FVLABel
  local nofootnote NOFOOTnote
  local wrap wrap(numlist max=1) fvwrap(passthru)
  }
- if "`e(mi)'"=="mi" {
= if ""=="mi" {
  local dftable DFTable
  local dfonly DFONLY
  local noclustreport NOCLUSTReport
  local pisematrix PISEMATrix(string)
  }
- syntax [, cmdextras BMATrix(string) VMATrix(string) EMATrix(string)
> ) DFMATrix(string) EQMATrix(string) ROWMATrix(string) CIMATrix(string) PMATr
> ix(string) TSMATrix(string) ROWCFormat(string) ROWPFormat(string) ROWSFormat
> (string) NOROWCI MMATrix(string) MVMATrix(string) MEMATrix(string) BSTDMATri
> x(string) CNSMATrix(string) PCLASSMATrix(string) Level(cilevel) prefix(name)
> cnszero(string) suffix(name) OFFSETlist(string asis) `beta' `standardized'
> NOCI NOPValues `dftable' `dfonly' dfci DFPValues dfmissing `groups' COEFLege
> nd selegend `fvignore' `flignore' `showginvariant' `nolabel' `nofootnote' `w
> rap' sort `pisematrix' depname(string) COEFTitle(string) coeftitle2(string)
> ptitle(string) cititle(string) NOMCLEgend noCNSReport FULLCNSReport `noclust
> report' cformat(passthru) sformat(passthru) pformat(passthru) NOFirst First
> SHOEQns neq(integer -1) NODIPARM NOTEST SEParator(integer 0) NOSKIP OFFSET0
> NLY1 PLus NOEQCHECK EFORMALL CITYPE(string) eqselect(string) cidisjoint noEF
> ORMNOTE * ]

= syntax [, cmdextras BMATrix(string) VMATrix(string) EMATrix(string)
> ) DFMATrix(string) EQMATrix(string) ROWMATrix(string) CIMATrix(string) PMATr
> ix(string) TSMATrix(string) ROWCFormat(string) ROWPFormat(string) ROWSFormat
> (string) NOROWCI MMATrix(string) MVMATrix(string) MEMATrix(string) BSTDMATri
> x(string) CNSMATrix(string) PCLASSMATrix(string) Level(cilevel) prefix(name)
> cnszero(string) suffix(name) OFFSETlist(string asis) Beta NOCI NOPValues
> dfci DFPValues dfmissing COEFLegend selegend sort depname(string) C
> OEFTitle(string) coeftitle2(string) ptitle(string) cititle(string) NOMCLEgen
> d noCNSReport FULLCNSReport cformat(passthru) sformat(passthru) pformat(pas

```



```

> sthru) NOFirst First SHOWEQns neq(integer -1) NODIPARM NOTEST SEParator(inte
> ger 0) NOSKIP OFFSETONLY1 PLus NOEQCHECK EFORMALL CITYPE(string) eqselect(st
> ring) cidisjoint noEFORMNOTE * ]
    - if ``wrap'' != "" {
    = if "" != "" {
        opts_exclusive ``wrap(`wrap') `fvwrap'''
        local fvwrap fvwrap(`wrap')
    }
    - if ``nolabel'`label'' != "" {
    = if "" != "" {
        opts_exclusive ``nolabel' `label'''
        opts_exclusive ``nofvlabel' `fvlabel'''
        opts_exclusive ``nolabel' `fvlabel'''
        opts_exclusive ``nofvlabel' `label'''
        if ``nolabel'' != "" {
            local fvlabel nofvlabel
        }
        else {
            local fvlabel fvlabel
        }
    }
    - _novce_other_mats, cimatrix(`cimatrix') pmatrix(`pmatrix') tsm
> atrix(`tsmatrix') `noci' `nopvalues' `dfci' `dfpvalues' `cidisjoint'
    = _novce_other_mats, cimatrix("") pmatrix("") tsmatrix("")

> _____ begin _coef_table._novce_other_m
> ats _____
    - syntax [anything], [ CIMATrix(string) PMATrix(string) TSMATrix(s
> tring) NOCI NOPValues dfci DFPValues cidisjoint ]
    - if (``pmatrix'""=="" & ``tsmatrix'""=="" & ``e(V)'""=="" & ``cimatr
> ix'""!="" & ``noci'""!="") {
        = if (""=="" & ""=="" & "matrix"=="" & ""!="" & ""!="") {
            sreturn local cimatrix "empt"
        }
        - if (``pmatrix'""=="" & ``tsmatrix'""!="" & ``e(V)'""=="" & ``cimatr
> ix'""=="" & (``noci'""!="" | ``nopvalues'""!="")) {
            = if (""=="" & ""!="" & "matrix"=="" & ""=="" & (""!="" | ""!="")) {
                sreturn local noci "empt"
                sreturn local nopvalues "empt"
            }
            - if (``pmatrix'""=="" & ``tsmatrix'""=="" & ``e(V)'""=="" & ``cimatr
> ix'""!="" & ``noci'""!="") {
                = if (""=="" & ""=="" & "matrix"=="" & ""!="" & ""!="") {
                    sreturn local cimatrix "empt"
                }
            - if (``pmatrix'""!="" & ``tsmatrix'""=="" & ``e(V)'""=="" & ``cimatr

```

```

> ix'""=="" & "`nopvalues'""!= "") {
    = if (""!= "" & ""== "" & "matrix"== "" & ""== "" & ""!= "") {
        sreturn local pmatrix "empt"
    }
    - if ("`pmatrix'""!= "" & "`tsmatrix'""== "" & "`e(V)'""== "" & "`cimatr
> ix'""=="" & "`noci'""!= "") {
    = if (""!= "" & ""== "" & "matrix"== "" & ""== "" & ""!= "") {
        sreturn local noci "empt"
    }
    - if ("`pmatrix'""!= "") {
    = if (""!= "") {
        tempname pmat isvalid
        capture matrix `pmat' = `pmatrix'
        local rc = _rc
        if (`rc') {
            display as error "invalid {bf:pmatrix()}"
            exit 198
        }
        else {
            local k: rowsof `pmat'
            if (`k'>1 | `k'==0) {
                display as error "{bf:pmatrix()} should be a row vector"
                exit 198
            }
        }
        scalar `isvalid' = 1
        mata: _is_in_0_1void("`pmat'", "`isvalid'")
        if (`isvalid'==0) {
            display as error "invalid {bf:pmatrix()}"
            di as txt "{p 4 4 2}"
            di as smcl as err "{bf:pmatrix()}"
            di as smcl as err "should contain values inside"
            di as smcl as err "the interval [0,1]."
            di as smcl as err "{p_end}"
            exit 198
        }
    }
    - if ("`tsmatrix'""!= "") {
    = if (""!= "") {
        tempname tmat
        capture matrix `tmat' = `tsmatrix'
        local rc = _rc
        if (`rc') {
            display as error "invalid {bf:tsmatrix()}"
            exit 198
        }
    }
}

```

```

else {
    local k: rowsof `tmat'
    if (`k'>1 | `k'==0) {
        display as error "{bf:tsmatrix()} should be a row vector"
        exit 198
    }
}
}
}
- if ("`cimatrix'"!="") {
= if ("'"!="") {
    tempname cimat isvalid
    capture matrix `cimat' = `cimatrix'
    local rc = _rc
    if (`rc') {
        display as error "invalid {bf:cimatrix()}"
        exit 198
    }
    if ("`cidisjoint'"==" & "`e(disjoint)'"=="") {
        scalar `isvalid' = 1
        mata: _is_in_ci("`cimat'", "`isvalid'")
        if (`isvalid'==0) {
            display as error "invalid {bf:cimatrix()}"
            di as txt "{p 4 4 2}"
            di as smcl as err "{bf:cimatrix()}"
            di as smcl as err "lower limit should be"
            di as smcl as err "smaller than the upper"
            di as smcl as err "limit."
            di as smcl as err "{p_end}"
            exit 198
        }
    }
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`pmatrx'"!="") {
= if ("matrix"==" & "'"!=" & "'"!="") {
    opts_exclusive "pmatrx() `dfci'"
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`tsmatrix'"!="") {
= if ("matrix"==" & "'"!=" & "'"!="") {
    opts_exclusive "tsmatrix() `dfci'"
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`cimatrix'"!="") {
= if ("matrix"==" & "'"!=" & "'"!="") {
    opts_exclusive "cimatrix() `dfci'"
}
- if ("`e(V)'"==" & "`dfpvalues'"!=" & "`pmatrx'"!="") {
= if ("matrix"==" & "'"!=" & "'"!="") {

```

```

        opts_exclusive "pmatrix()" `dfci`
    }
    - if ("`e(V)'"==" & "`dfpvalues'"!=" & "`tsmatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
        opts_exclusive "tsmatrix()" `dfpvalues`
    }
    - if ("`e(V)'"==" & "`dfpvalues'"!=" & "`cimatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
        opts_exclusive "cimatrix()" `dfpvalues`
    }
}

> _____ end _coef_table._novce_other_m
> ats _____
    - if ("`s(cimatrix)'"=="empt") {
= if ("=="empt") {
        local cimatrix ""
    }
    - if ("`s(pmatrix)'"=="empt") {
= if ("=="empt") {
        local pmatrix ""
    }
    - if ("`s(noci)'"=="empt") {
= if ("=="empt") {
        local noci ""
    }
    - if ("`s(nopvalues)'"=="empt") {
= if ("=="empt") {
        local nopvalues ""
    }
    - if ("`e(V)'"!=" & "`cidisjoint'"!=") {
= if ("matrix"!=" & ""!=") {
        display in red "option {bf:cidisjoint} not allowed when e(V) is po
> sted"
        exit 198
    }
    - else local fvlablel `nofvlablel' `fvlablel'
= else local fvlablel
    - local type `coeflegend' `selegend'
= local type
    - opts_exclusive "`type' `standardized'"
= opts_exclusive " "
}

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- if (``rowmatrix'=="" & ``norowci'!="") {
= if (``'=="" & ``'!="") {
    di as err "{bf:norowci} requires {bf:rowmatrix()}"
    exit 198
  }
- if (``dftable'!="" & ``norowci'!="") {
= if (``'!="" & ``'!="") {
    di as err "{bf:norowci} is not allowed with {bf:`dftable'}"
    exit 198
  }
- if (``dfonly'!="" & ``norowci'!="") {
= if (``'!="" & ``'!="") {
    di as err "{bf:norowci} is not allowed with {bf:`dfonly'}"
    exit 198
  }
- if (``noci'!="" & ``norowci'!="") {
= if (``'!="" & ``'!="") {
    di as err "{bf:norowci} is not allowed with {bf:`noci'}"
    exit 198
  }
- if ``standardized' != "" & ``bstdmatrix' != "" {
= if ``' != "" & ``' != "" {
    local beta beta
    local standardized
  }
- if `:length local type' == 0 {
= if 0 == 0 {
- local type `beta' `noci' `nopvalues' `dftable' `dfonly' `groups' `
> dfci' `dfpvalues'
= local type
- }
- opts_exclusive ``type'

```

```

= opts_exclusive ""
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`first' `nofirst'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`first' `showeqns'"
    = opts_exclusive " showeqns"
    _____
> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts showeqns
- local n 0
- while ```opts'`` != "" {
= while `"showeqns" != "" {
- local ++n
- gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
- }
- while ```opts'`` != "" {
= while `"" != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 1 < 2 {
- exit

```

> _____ end opts_exclus

> ive _____

```

- local cnsreport `cnsreport' `fullcnsreport'
= local cnsreport nocnsreport
- opts_exclusive "`cnsreport'"
= opts_exclusive "nocnsreport"

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts nocnsreport
- local n 0
- while ```opts'`` != "" {
= while `"nocnsreport" != "" {
- local ++n
- gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
- }
- while ```opts'`` != "" {
= while `"" != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {

```

```

        = if 1 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - if ``showeqns`` != "" {
    = if "showeqns" != "" {
    - local nofirst nofirst
    - }
    - if ``ematrix``noeqcheck`` == "" {
    = if "noeqcheck" == "" {
        if ``e(error)`` == "matrix" {
        local ematrix e(error)
        }
    }
    - _get_mcompare, `options'
    = _get_mcompare, mcompare(noadjust ) fvwrap(1)
}
> ----- begin _get_mcomp
> are -----
    - version 11
    - local cmd ``e(cmd)``
    = local cmd "regress"
    - syntax [name(name=caller)] [, *]
    - local is_pwc = inlist("pwcompare", "cmd", "caller") | inlist
> ("pwmean", "cmd", "caller")
    = local is_pwc = inlist("pwcompare", "regress", "") | inlist("pwme
> an", "regress", "")
    - local is_marg = inlist("margins", "cmd", "e(cmd2)", "caller
> ")
    = local is_marg = inlist("margins", "regress", "", "")
    - local OPTIONS NOADJust BONferroni DUNCAn DUNNett SCHeffe SIDak S
> NK TUKey ADJustall
    - if `is_pwc' {
    = if 0 {
        syntax [name] [, `OPTIONS' MCOMPare(string) *]
    }
    - else {
    - syntax [name] [, MCOMPare(string) *]
    - local suboption mcompare()
    - }
    - sreturn clear
    - sreturn local options ``options``
    = sreturn local options "fvwrap(1)"
    - if `is_pwc' {
    = if 0 {

```



```

        local METHOD `noadjust' `bonferroni' `duncan' `dunnett' `scheffe'
> ' `sidak' `snk' `tukey'
        local METHOD : list uniq METHOD
        opts_exclusive ``METHOD''
        local ALL `adjustall'
        opts_exclusive ``noadjust' `ALL''
    }
    - local 0 `", `mcompare'''
    = local 0 `", noadjust''
    - capture syntax [, `OPTIONS']
    = capture syntax [, NOADJUST BONferroni DUNCan DUNNett SCHeffe SID
> ak SNK TUKey ADJustall]
    - if c(rc) {
        di as err "invalid mcompare() option;"
        di as err "method ``mcompare'' not allowed"
        error 198
    }
    - local METHOD `METHOD' `noadjust' `bonferroni' `duncan' `dunnett'
> `scheffe' `sidak' `snk' `tukey'
    = local METHOD noadjust
    - local METHOD : list uniq METHOD
    - local ALL `ALL' `adjustall'
    = local ALL
    - local ALL : list uniq ALL
    - opts_exclusive ``METHOD'' `suboption'
    = opts_exclusive "noadjust" mcompare()



---


> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts noadjust
    - local n 0
    - while ``opts''' != "" {
    = while ``noadjust''' != "" {
    - local ++n
    - gettoken item`n' opts : opts, bind
    = gettoken item1 opts : opts, bind
    - }
    - while ``opts''' != "" {
    = while `''' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 1 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - if "`METHOD'" == "" {
    = if "noadjust" == "" {
        if "`ALL'" != "" {
            di as err "multiple comparison method required with the adjustal
> l option"
            exit 198
        }
        local METHOD noadjust
        local noadjust noadjust
    }
    - opts_exclusive "`ALL' `noadjust'" `suboption'
    = opts_exclusive " noadjust" mcompare()
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts noadjust
    - local n 0
    - while ```opts'`` != "" {
    = while `"noadjust" != "" {
        - local ++n
        - gettoken item`n' opts : opts, bind
        = gettoken item1 opts : opts, bind
        - }
        - while ```opts'`` != "" {
        = while `"" != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
        = if 1 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - local EXCLUDE duncan dunnett snk tukey
    - if `:list METHOD in EXCLUDE' {
    = if 0 {
        if `is_pwc' {

```

```

        local opt : copy local METHOD
    }
    else {
        local opt "mcompare(`METHOD')"
    }
    local cmdlist anova manova regress mvreg pwmean
    if "`cmd'" == "pwcompare" {
        local cmd ``e(cmd_est)'''
    }
    if `is_marg' {
        local cmd margins
    }
    if !:list cmd in cmdlist' | !is_pwc' {
        di as err ``method `opt' is not allowed with results from `cmd'"
> '
        exit 322
    }
    if ``e(prefix)''' == "svy" {
        di as err ``method `opt' is not allowed with results using the s
> vy prefix"'
        exit 322
    }
    local vce ``e(vce)'''
    if !inlist("`vce'", "", "ols") {
        di as err ``method `opt' is not allowed with results using vce(`
> vce')"'
        exit 322
    }
    }
    - local EXCLUDE duncan dunnett snk tukey scheffe
    - if `:list METHOD in EXCLUDE' {
    = if 0 {
        if "`ALL'" != "" {
            di as err ``option adjustall is not allowed with method `METHOD'
> "'
            exit 198
        }
    }
    - sreturn local method ``METHOD'''
    = sreturn local method `noadjust"'
    - sreturn local adjustall ``ALL'''
    = sreturn local adjustall `"'

> _____ end _get_mcomp
> are _____
    - local method ``s(method)'''

```

```

= local method `noadjust''
- local all ``s(adjustall)''
= local all `''
- local options ``s(options)''
= local options `fvwrap(1)''
- if ``method'' != "noadjust" {
= if "noadjust" != "noadjust" {
  local keepmc 1
}
- opts_exclusive ``all' `groups''
= opts_exclusive " "

> _____ begin opts_exclus
> ive _____
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ``opts'' != "" {
  = while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
  - exit

> _____ end opts_exclus
> ive _____
  - if ``method'' == "dunnett" {
  = if "noadjust" == "dunnett" {
    opts_exclusive ``method' `groups''
  }
  - _get_diopts diopts options, `options' `fvwrap' `fvlabel'
  = _get_diopts diopts options, fvwrap(1)

> _____ begin _get_dio
> pts _____
  - version 11
  - syntax namelist(max=2) [, *]
  - gettoken name1 namelist : namelist
  - gettoken name2 namelist : namelist
  - GetDiopts diopts options, `options'
  = GetDiopts diopts options, fvwrap(1)

```

```

> _____ begin _get_diopts.GetDio
> pts _____
      - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
      - syntax namelist(max=2) [, `DIOPTS' *]
      = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
      - opts_exclusive "`allbaselevels' `noallbaselevels'"
      = opts_exclusive " "
> _____ begin opts_exclus
> ive _____
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ```opts'`` != "" {
      = while `""' != "" {
          local ++n
          gettoken item`n' opts : opts, bind
          }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
> _____ end opts_exclus
> ive _____
      - opts_exclusive "`allbaselevels' `nobaselevels'"
      = opts_exclusive " "
> _____ begin opts_exclus
> ive _____
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}

```

```

    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`coeflegend' `selegend'"

```



```

= opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "


---



```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {

```

```

    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
  }
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth("`pformat'") > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat "`pformat'"
  local pformat `pformat(`pformat')'
  }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
  }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')

```

```

    }
    - Wrapon , `fvwrapon'
    = Wrapon ,

> _____ begin _get_diopts.Wra
> pon _____
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwrapon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive "`word' `width'" fvwrapon
    = opts_exclusive " " fvwrapon

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit

> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }

> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "fvwrap(1)" != "" {
        - FVWrap, `fvwrap'
    = FVWrap, fvwrap(1)

```

```

> _____ begin _get_diopts.FVW
> rap _____
      - syntax, fvwrap(integer)
      - if `fvwrap' < 0 {
      = if 1 < 0 {
          di as err "{p}invalid option {bf:fvwrap(`fvwrap')}"; " "nonne
> gative integer required{p_end}"
          exit 198
      }
      _____

> _____ end _get_diopts.FVW
> rap _____
      - }
      - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwraon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
      = c_local diopts          fvwrap(1)
      - if `K' == 2 {
      = if 2 == 2 {
      - c_local `c_opts' ``options'''
      = c_local options `'''
      - }
      - sreturn local coding `coding'
      = sreturn local coding
      - sreturn local versus `versus'
      = sreturn local versus
      - sreturn local compare `compare'
      = sreturn local compare
      - sreturn local level `level'
      = sreturn local level 95
      _____

> _____ end _get_diopts.GetDio
> pts _____
      - c_local `name1' ``diopts'''
      = c_local diopts `fvwrap(1)'''
      - local snames : s(macros)
      - foreach sname of local snames {
      - local S_`sname' = s(`sname')
      = local S_level = s(level)
      - }
      - local S_`sname' = s(`sname')
      = local S_method = s(method)
      - }
      - local S_`sname' = s(`sname')

```

```

    = local S_options = s(options)
    - }
    - sreturn clear
    - GetDiopts DEFAULT

```

```

> ----- begin _get_diopts.GetDio
> pts -----
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while `"'opts'" != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```



```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```

```

- exit
> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "
> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "
> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
> ----- end opts_exclus
> ive -----

```

```

- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive ``coding' `compare'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``versus' `compare'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``abbrev' `noabbrev'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
    = if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells

```

```

    }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')"'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')"'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `pformat(`pformat')"'
  }
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {

```

```

        syntax namelist(max=2) [, `DIOPTS']
    }
    - if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
        local levelopt level(`level')
    }
    - Wraupon , `fvwraupon'
= Wraupon ,

> _____ begin _get_diopts.Wra
> pon _____
        - capture syntax [, W0rd WIdth]
        - if c(rc) {
            di as err "invalid fvwraupon() option;"
            syntax [, W0rd WIdth]
            exit 198
        }
        - opts_exclusive "`word' `width'" fvwraupon
= opts_exclusive " " fvwraupon

> _____ begin opts_exclus
> ive _____
        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
= local opts
        - local n 0
        - while ``opts' != "" {
= while `"' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
= if 0 < 2 {
            - exit

> _____ end opts_exclus
> ive _____
        - local fvwraupon `word' `width'
= local fvwraupon
        - if `:length local fvwraupon' {
= if 0 {
            c_local fvwraupon fvwraupon(`fvwraupon')
        }

> _____ end _get_diopts.Wra

```

```

> pon
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95

> _____ end _get_diopts.GetDio
> pts
    - if ``name2'' == "" {
    = if ``options'' == "" {
        GetDiopts DUPS, `options'
    }
    - else {
    - GetDiopts DUPS options, `options'
    = GetDiopts DUPS options,

> _____ begin _get_diopts.GetDio
> pts
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITtd OMITtd NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLAbel FVLAbel NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITtd OMITtd NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa

```



```

> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYTYPE(pa
> ssthru) NOABBREV ABBREV *)
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive ``emptycells' `noemptycells'
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive ``fvlabel' `nofvlabel'
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus

```

> ive

```
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
  local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
```

```

    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat ``cformat'''
    local cformat `cformat(`cformat')''
    }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth(`sformat') > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
        }
    sreturn local sformat ``sformat'''
    local sformat `sformat(`sformat')''
    }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`pformat') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
        }
    sreturn local pformat ``pformat'''
    local pformat `pformat(`pformat')''
    }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraon , `fvwraon'
= Wraon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwraon() option;"
    syntax [, W0rd WIdth]
    exit 198
    }
- opts_exclusive ``word' `width' fvwraon

```



```

= opts_exclusive " " fvwrapon
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
    _____
> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options'
    = c_local options `"'
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'

```

```

= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

```

```

> ----- end _get_diopts.GetDio
> pts -----
- c_local `name2' ``options''
= c_local options `''
- }
- local DUPS : list DUPS - DEFAULT
- gettoken DUPS : DUPS
- if ``DUPS'' != "" {
= if `'' != "" {
  if (strpos(`DUPS', "(")) {
    gettoken DUPS : DUPS, parse("(")
    local DUPS `DUPS'()'
  }
  di as err "duplicate {bf:`DUPS'} option not allowed"
  exit 198
}
- sreturn clear
- foreach sname of local snames {
- sreturn local `sname' = ``S_`sname''
= sreturn local level = `95'
- }
- sreturn local `sname' = ``S_`sname''
= sreturn local method = `noadjust'
- }
- sreturn local `sname' = ``S_`sname''
= sreturn local options = `fvwrap(1)'
- }

```

```

> ----- end _get_dio
> pts -----
- local legend coeflegend selegend
- local legend : list legend & diopts
- local diopts : list diopts - legend
- local lstretch lstretch nolstretch
- local lstretch : list lstretch & diopts
- local diopts : list diopts - lstretch
- local markdown markdown
- local markdown : list markdown & diopts
- local diopts : list diopts - markdown
- _get_diopts ignore, `diopts' `cformat' `sformat' `pformat'

```

```

= _get_diopts ignore, fwwrap(1)
> _____ begin _get_dio
> pts _____
    - version 11
    - syntax namelist(max=2) [, *]
    - gettoken name1 namelist : namelist
    - gettoken name2 namelist : namelist
    - GetDiopts diopts options, `options'
    = GetDiopts diopts options, fwwrap(1)
> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts`'' != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus

```

```

> ive
- opts_exclusive "`allbaselevels' `nobaselevels'"
= opts_exclusive " "
-
>
- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'opts'"' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
-
>
- end opts_exclus
> ive
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "
-
>
- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'opts'"' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
-
>
- end opts_exclus
> ive
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend` `selegend`"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci` `nopvalues`"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `""opts'" != "" {
= while `"" != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `""opts'" != "" {
= while `"" != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {

```



```

        - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels

```

```

    }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
  }
}

```

```

    }
    sreturn local pformat ``pformat'''
    local pformat `pformat(pformat)'''
    }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraupon , `fvwraupon'
= Wraupon ,

> _____ begin _get_diopts.Wra
> pon _____
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwraupon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive ``word' `width'" fvwraupon
    = opts_exclusive " " fvwraupon

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts''' != "" {
    = while `''' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit

> _____ end opts_exclus
> ive _____
    - local fvwraupon `word' `width'
    = local fvwraupon

```

```

- if `:length local fwwrapon' {
= if 0 {
  c_local fwwrapon fwwrapon(`fwwrapon')
}
}

> _____ end _get_diopts.Wra
> pon _____
- if "`fwwrap'" != "" {
= if "fwwrap(1)" != "" {
- FVWrap, `fwwrap'
= FVWrap, fwwrap(1)
}

> _____ begin _get_diopts.FVW
> rap _____
- syntax, fwwrap(integer)
- if `fwwrap' < 0 {
= if 1 < 0 {
  di as err "{p}invalid option {bf:fwwrap(`fwwrap')}"; " "nonne
> gative integer required{p_end}"
  exit 198
}

> _____ end _get_diopts.FVW
> rap _____
- }
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fwwrap' `fwwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
= c_local diopts fwwrap(1)
- if `K' == 2 {
= if 2 == 2 {
- c_local `c_opts' ``options'``
= c_local options ````
- }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

> _____ end _get_diopts.GetDio
> pts _____

```

```

- c_local `name1' ``diopts''
= c_local ignore `fvwrap(1)''
- local snames : s(macros)
- foreach sname of local snames {
- local S_`sname' = s(`sname')
= local S_level = s(level)
- }
- local S_`sname' = s(`sname')
= local S_options = s(options)
- }
- local S_`sname' = s(`sname')
= local S_method = s(method)
- }
- sreturn clear
- GetDiopts DEFAULT

```

```

> _____ begin _get_diopts.GetDio
> pts _____
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
- opts_exclusive ``allbaselevels' `noallbaselevels''
= opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `''' != "" {
local ++n
gettoken item`n' opts : opts, bind
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`allbaselevels' `nbaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nbaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2

```



```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`nocl' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
= local baselevels
    - local emptycells `emptycells' `noemptycells'
= local emptycells
    - local omitted `omitted' `noomitted'
= local omitted
    - local lstretch `lstretch' `nolstretch'
= local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
    - local abbrev `abbrev' `noabbrev'
= local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {

```

```

- if c(showbaselevels) == "all" {
  local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
}
- if `:length local pformat' {

```

```

= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`""pformat'') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `""pformat'
    local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwrapon() option;"
    syntax [, W0rd WIdth]
    exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `""opts' != "" {
= while `"" != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
    _____

> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options'
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
    _____

> _____ end _get_diopts.GetDio
> pts _____
    - if ``name2' == "" {
    = if `'' == "" {
    - GetDiopts DUPS, `options'
    = GetDiopts DUPS,
    _____

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)

```

```

> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```



```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'

```

```

= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
= local baselevels
    - local emptycells `emptycells' `noemptycells'
= local emptycells
    - local omitted `omitted' `noomitted'
= local omitted
    - local lstretch `lstretch' `nolstretch'
= local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
    - local abbrev `abbrev' `noabbrev'
= local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
= if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells
    }
    - }
    - if "`omitted'" == "" {
= if "" == "" {
    - if c(showomitted) == "off" {
        local omitted noomitted
    }
    - }
    - if "`lstretch'" == "" {
= if "" == "" {

```

```

- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth(`""cformat'""') > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat `""cformat'""'
  local cformat `cformat(`cformat')"'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth(`""sformat'""') > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat `""sformat'""'
  local sformat `sformat(`sformat')"'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth(`""pformat'""') > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat `""pformat'""'
  local pformat `pformat(`pformat')"'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

> _____ begin _get_diopts.Wra

```

> pon
    - capture syntax [, WOrd Width]
    - if c(rc) {
        di as err "invalid fwwrapon() option;"
        syntax [, WOrd Width]
        exit 198
    }
    - opts_exclusive "`word' `width'" fwwrapon
    = opts_exclusive " " fwwrapon

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit

> ----- end opts_exclus
> ive
    - local fwwrapon `word' `width'
    = local fwwrapon
    - if `:length local fwwrapon' {
    = if 0 {
        c_local fwwrapon fwwrapon(`fwwrapon')
    }

> ----- end _get_diopts.Wra
> pon
    - if "`fwwrap'" != "" {
    = if "" != "" {
        FWWrap, `fwwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fwwrap' `fwwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS

```

```

- if `K' == 2 {
= if 1 == 2 {
    c_local `c_opts' ``options'''
  }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95
}

> _____ end _get_diopts.GetDio
> pts _____
- }
- else {
  GetDiopts DUPS options, `options'
  c_local `name2' ``options'''
}
- local DUPS : list DUPS - DEFAULT
- gettoken DUPS : DUPS
- if ``DUPS''' != "" {
= if `''' != "" {
  if (strpos(`DUPS'', "(")) {
    gettoken DUPS : DUPS, parse("(")
    local DUPS `DUPS'()'
  }
  di as err "duplicate {bf:`DUPS'} option not allowed"
  exit 198
}
- sreturn clear
- foreach sname of local snames {
- sreturn local `sname' = ``S_`sname''''
= sreturn local level = `95''
- }
- sreturn local `sname' = ``S_`sname''''
= sreturn local options = `fvwrap(1)''
- }
- sreturn local `sname' = ``S_`sname''''
= sreturn local method = `noadjust''
- }
}

> _____ end _get_dio
> pts _____
- local cformat ``s(cformat)'''

```



```

= local cformat `""'
- local sformat ``s(sformat)''
= local sformat `""'
- local pformat ``s(pformat)''
= local pformat `""'
- _get_eformopts , eformopts(`options') allowed(__all__) soptions
= _get_eformopts , eformopts() allowed(__all__) soptions

```

```

> ----- begin _get_eformo
> pts -----
    - version 8.0
    - syntax [, eformopts(string asis) soptions ALLOWed(string) ]
    - local 0 , `eformopts'
    = local 0 ,
    - local EFALL NOHR hr NOSHR shr or IRr RRr tr TRatio
    - if "`soptions'" != "" {
    = if "soptions" != "" {
    - syntax [, EForm1(passthru) EForm `EFALL' * ]
    = syntax [, EForm1(passthru) EForm NOHR hr NOSHR shr or IRr RRr tr
> TRatio * ]
    - local opts ``options''
    = local opts `""'
    - local 0 , `eform1' `eform' `nohr' `hr' `noshr' `shr' `or' `irr'
> `rrr' `tr' `tratio'
    = local 0 ,
    - }
    - if "`allowed'" == "__all__" {
    = if "__all__" == "__all__" {
    - local allowed `EFALL'
    = local allowed NOHR hr NOSHR shr or IRr RRr tr TRatio
    - }
    - foreach ef of local allowed {
    - capture confirm name `ef'
    = capture confirmname NOHR
    - if _rc {
      di as err "`ef' is not a valid name"
      exit 198
    }
    - local efopts `efopts' `=lower("`ef'")'
    = local efopts nohr
    - }
    - capture confirm name `ef'
    = capture confirm name hr
    - if _rc {
      di as err "`ef' is not a valid name"
      exit 198
    }

```

```

    }
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr
- }
- capture confirm name `ef'
= capture confirm name NOSHR
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr
- }
- capture confirm name `ef'
= capture confirm name shr
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr
- }
- capture confirm name `ef'
= capture confirm name or
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or
- }
- capture confirm name `ef'
= capture confirm name IRr
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr
- }
- capture confirm name `ef'
= capture confirm name RRr
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}

```



```

- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- if ```eform1'``'=="Odds ratio" {
= if ``'``'=="Odds ratio" {
    local eform_cons_ti = "Odds"
    local eform_cons_note = "odds ratios"
}
- else if ```eform1'``'=="Haz. ratio" {
= else if ``'``'=="Haz. ratio" {
    local eform_cons_ti = "Hazard"
    local eform_cons_note = "hazard ratios"
}
- else if ```eform1'``'=="Time ratio" {
= else if ``'``'=="Time ratio" {
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
}
- else if ```eform1'``'=="IRR" {
= else if ``'``'=="IRR" {
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
}
- else if ```eform1'``'=="Risk ratio" {
= else if ``'``'=="Risk ratio" {
    local eform_cons_ti = "Risk"
    local eform_cons_note = "risk ratios"
}
- else if ```eform1'``'=="Hlth ratio" {
= else if ``'``'=="Hlth ratio" {
    local eform_cons_ti = "Health"
    local eform_cons_note = "health ratios"
}
- local k : list sizeof eform
- if `k' {
= if 0 {
    opts_exclusive ``eform''
    if `:length local eform1' {
    opts_exclusive "eform() `eform'"
    }
}
}

```

```

- if `k' {
= if 0 {
  if ("`eform'"=="eform") local eform1 = "exp(b)"
  else if ("`eform'"=="hr") {
    local eform1 = "Haz. ratio"
    local eform_cons_ti = "Hazard"
    local eform_cons_note = "hazard ratios"
  }
  else if ("`eform'"=="shr") {
    local eform1 = "SHR"
    local eform_cons_ti = "Subhazard"
    local eform_cons_note = "subhazard ratios"
  }
  else if ("`eform'"=="tr") {
    local eform1 = "Time ratio"
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
  }
  else if ("`eform'"=="tratio") {
    local eform1 = "Time ratio"
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
  }
  else if ("`eform'"=="or") {
    local eform1 = "Odds ratio"
    if ("`e(cmd)'"=="asclogit" | "`e(cmd)'"=="cmclogit" | "`e(cmd)'"
> == "cmmixlogit" | "`e(cmd)'"=="cmxtmixlogit" ) {
      local eform_cons_ti = "Rel. risk"
      local eform_cons_note = "relative-risk ratios"
      local eform_cons_ti2 = "relative risk"
    }
    else {
      local eform_cons_ti = "Odds"
      local eform_cons_note = "odds ratios"
    }
  }
  else if ("`eform'"=="irr") {
    local eform1 = "IRR"
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
  }
  else if ("`eform'"=="rrr") {
    local eform1 = "RRR"
    local eform_cons_ti = "Rel. risk"
    local eform_cons_note = "relative-risk ratios"
  }
}

```

```

        local eform_cons_ti2 = "relative risk"
    }
    else if ("`eform'"!="nohr") & ("`eform'"!="noshr") {
        local eform1 = upper("`eform'")
    }
}

- sreturn clear
- sreturn local options ``opts'''
= sreturn local options `'''
- sreturn local opt `eform'
= sreturn local opt
- sreturn local str `eform1'
= sreturn local str
- if ``eform1''' != "" {
= if `''' != "" {
    sreturn local eform eform("`eform1'")
}
- else sreturn local eform ""
- sreturn local eform_cons_ti `eform_cons_ti'
= sreturn local eform_cons_ti
- sreturn local eform_cons_note `eform_cons_note'
= sreturn local eform_cons_note
- sreturn local eform_cons_ti2 `eform_cons_ti2'
= sreturn local eform_cons_ti2

> _____ end _get_eformo
> pts _____
- local tr_item = ``s(eform_cons_note)'''
= local tr_item = `'''
- if inlist("`bmatrix'", "", "e(b)") & "`e(k_eform)'" == "0" {
= if inlist("", "", "e(b)") & "" == "0" {
    local eform
}
- else local eform ``s(str)'''
= else local eform `'''
- local eform_cons_ti ``s(eform_cons_ti)'''
= local eform_cons_ti `'''
- local eform_cons_ti2 ``s(eform_cons_ti2)'''
= local eform_cons_ti2 `'''
- if ("`e(consonly)'"!="1" | ``eform_cons_ti'"=="" ) {
= if ("!="1" | `'"=="" ) {
    local eformdi ``s(str)'''
= local eformdi `'''
- }
- else {
    local eformdi ``eform_cons_ti'''

```

```

        local tr_item = cond(missing("`eform_cons_ti2'"), strlower("`eform
> m_cons_ti'"), "`eform_cons_ti2'")
    }
    - local coefttl = cond("`eform'"==`"', "`coeftitle'", "`eformd
> i'")
    = local coefttl = cond(`"'==`"', `"', `"'')
    - local options `"'s(options)'"
    = local options `"'
    - _get_diparmopts, diparmopts(`options') level(`level')
    = _get_diparmopts, diparmopts() level(95)
    _____
> _____ begin _get_diparmo
> pts _____
    - if _caller() < 8.2 {
        _get_diparmopts_8 `0'
        exit
    }
    - version 9
    - local version : di "version " string(_caller()) ":"
    - syntax [, diparmopts(string asis) EXECute soptions bottom plus S
> YNTAXonly * ]
    - local goptions `options'
    = local goptions level(95)
    - SpliceGlobals junk , `goptions'
    = SpliceGlobals junk , level(95)
    _____
> _____ begin _get_diparmopts.SpliceGlob
> als _____
    - syntax name(id="macro name" name=c_diparm) [, diparm(string as
> is) Level(cilevel) dof(passthru) syntaxonly ]
    - if ``dof'" == "" & ``e(df_r)'" != "" {
    = if `"' == "" & `"132"' != "" {
    - capture confirm integer number `e(df_r)'"
    = capture confirm integer number 132
    - if !c(rc) {
    - local gdof dof(`e(df_r)'"
    = local gdof dof(132)
    - }
    - capture
    - }
    - else local gdof ``dof'"
    = else local gdof `"'
    - local glevel `level'
    = local glevel 95
    - local lopt level(`glevel')
    = local lopt level(95)

```

```

- if (``diparm'' == '') exit
= if (``'' == '') exit

> _____ end _get_diparmopts.SpliceGlob
> als _____
- local 0 `", `diparmopts''
= local 0 `", ''
- local diparmopts
- local k 0
- syntax [, diparm(string asis) * ]
- while ``diparm'' != '' {
= while ``'' != '' {
  local ++k
  local single 1
  local after
  capture _on_colon_parse `diparm'
  if !c(rc) {
    local single 0
    local diparm ``s(before)''
    local after ``s(after)''
  }
  capture
  SpliceGlobals diparm , diparm(`diparm') `syntaxonly' `goptions'
  local diparm`k' ``diparm''
  local diparmopts ``diparmopts' : `diparm''
  if `single' | ``:list retok after'' == '' {
    local 0 `", `options''
    syntax [, diparm(string asis) * ]
  }
  else {
    local diparm ``after''
  }
}
- if ``soptions'' == '' {
= if ``'' == '' {
- syntax [, diparm(string asis) ]
- }
- if (``execute'' == '') {
= if (``'' == '') {
- sreturn clear
- sreturn local options ``options''
= sreturn local options ``''
- sreturn local diparm ``diparmopts''
= sreturn local diparm ``''
- forval i = 1/`k' {
= forval i = 1/0 {

```



```

        sreturn local diparm`i' ```diparm`i'`''
    }
- sreturn local k `k'
= sreturn local k 0
- exit

```

```

> _____ end _get_diparmo
> pts _____
- local NODIPARM : length local nodiparm
- if `NODIPARM' {
= if 8 {
- local options
- }
- local GTOPTS parse(":") bind quotes
- local k 0
- if !`NODIPARM' {
= if !8 {
    if ```e(diparm)`'' != "" {
        local i 0
        local diparm ```e(diparm)`''
    }
    else if ```e(diparm1)`'' != "" {
        local i 1
        local diparm ```e(diparm1)`''
    }
    while `:length local diparm' {
        gettoken diparm rest : diparm, `GTOPTS'
        while `:length local rest' {
            local ++k
            local diparm`k' : copy local diparm
            gettoken COLON rest : rest, `GTOPTS'
            gettoken diparm rest : rest, `GTOPTS'
        }
        local ++k
        local diparm`k' : copy local diparm
        local ++i
        local diparm ```e(diparm`i')`''
    }
}
- if `:length local options' {
= if 0 {
    local 0 `", `options'`''
    syntax [, diparm(string asis) *]
    if `k' & `:length local diparm' {
        local ++k
        local diparm`k' __sep__
    }
}

```

```

    }
    while `:length local diparm' {
      gettoken diparm rest : diparm, `GTPTS'
      while `:length local rest' {
        local ++k
        local diparm`k' : copy local diparm
        gettoken COLON rest : rest, `GTPTS'
        gettoken diparm rest : rest, `GTPTS'
      }
      local ++k
      local diparm`k' : copy local diparm
      local 0 `", `options'""
      syntax [, diparm(string asis) *]
    }
  }
- if "`markdown'" != "" {
= if "" != "" {
  local lsize = c(linesize)
  set linesize 255
}
- `vv' mata: _coef_table()
= version 11, missing: mata: _coef_table()

```

```

> _____ begin _get_dio
> pts _____
    - version 11
    - syntax namelist(max=2) [, *]
    - gettoken name1 namelist : namelist
    - gettoken name2 namelist : namelist
    - GetDiopts diopts options, `options'
    = GetDiopts diopts options, fwrap(1)

```

```

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa

```

```

> ssthru) NOABBREV ABBREV *]
      - opts_exclusive "`allbaselevels' `noallbaselevels'"
      = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ```opts'`` != "" {
      = while `''` != "" {
        local ++n
        gettoken item`n' opts : opts, bind
      }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit


---


> 

---

 end opts_exclus
> ive 

---


      - opts_exclusive "`allbaselevels' `nobaselevels'"
      = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ```opts'`` != "" {
      = while `''` != "" {
        local ++n
        gettoken item`n' opts : opts, bind
      }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit


---


> 

---

 end opts_exclus
> ive 

---


      - opts_exclusive "`baselevels' `nobaselevels'"
      = opts_exclusive " "


---



```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport` `fullcnsreport`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend` `selegend`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {

```

```

- exit
> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "
> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'`` != "" {
= while `''` != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'`` != "" {
= while `''` != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
> ----- end opts_exclus
> ive -----

```



```

- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
    }
  }
}

```

```

di "{txt}note: invalid cformat(), using default"
}
sreturn local cformat ``cformat'''
local cformat `cformat(`cformat')''
}
- if `:length local sformat' {
= if 0 {
confirm numeric format `sformat'
if fmtwidth(`sformat') > 8 {
local sformat "%8.2f"
di "{txt}note: invalid sformat(), using default"
}
sreturn local sformat ``sformat'''
local sformat `sformat(`sformat')''
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth(`pformat') > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat ``pformat'''
local pformat `pformat(`pformat')''
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraapon , `fvwraapon'
= Wraapon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwrapon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive ``word' `width' fvwrapon
= opts_exclusive " " fvwrapon

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local fwwrapon `word' `width'
    = local fwwrapon
    - if `:length local fwwrapon' {
    = if 0 {
        c_local fwwrapon fwwrapon(`fwwrapon')
    }
    _____

> _____ end _get_diopts.Wra
> pon _____
    - if "`fwwrap'" != "" {
    = if "fwwrap(1)" != "" {
    - FWWrap, `fwwrap'
    = FWWrap, fwwrap(1)
    _____

> _____ begin _get_diopts.FW
> rap _____
    - syntax, fwwrap(integer)
    - if `fwwrap' < 0 {
    = if 1 < 0 {
        di as err "{p}invalid option {bf:fwwrap(`fwwrap')}"; " "nonne
> gative integer required{p_end}"
        exit 198
    }
    _____

> _____ end _get_diopts.FW
> rap _____
    - }

```

```

- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basele
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
= c_local diopts fwrap(1)
- if `K' == 2 {
= if 2 == 2 {
- c_local `c_opts' ``options'''
= c_local options `'''
- }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95
}

> ----- end _get_diopts.GetDio
> pts -----
- c_local `name1' ``diopts'''
= c_local __000009 ``fvwrap(1)'''
- local snames : s(macros)
- foreach sname of local snames {
- local S_`sname' = s(`sname')
= local S_level = s(level)
- }
- local S_`sname' = s(`sname')
= local S_k = s(k)
- }
- sreturn clear
- GetDiopts DEFAULT
}

> ----- begin _get_diopts.GetDio
> pts -----
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo

```

```

> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *)
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``"`opts'" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``"`opts'" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"

```

```

= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n

```



```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```

```

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
  local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'

```

```

if fmtwidth(`"`cformat'`) > 9 {
local cformat "%9.0g"
di "{txt}note: invalid cformat(), using default"
}
sreturn local cformat `"`cformat'`
local cformat `"cformat(`cformat')"`
}
- if `:length local sformat' {
= if 0 {
confirm numeric format `sformat'
if fmtwidth(`"`sformat'`) > 8 {
local sformat "%8.2f"
di "{txt}note: invalid sformat(), using default"
}
sreturn local sformat `"`sformat'`
local sformat `"sformat(`sformat')"`
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth(`"`pformat'`) > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat `"`pformat'`
local pformat `"pformat(`pformat')"`
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwraon() option;"
syntax [, W0rd WIdth]
exit 198
}

```

```

- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon


---


> 

---

 begin opts_exclus
> ive 

---


- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit


---


> 

---

 end opts_exclus
> ive 

---


- local fvwrapon `word' `width'
= local fvwrapon
- if `:length local fvwrapon' {
= if 0 {
  c_local fvwrapon fvwrapon(`fvwrapon')
}


---


> 

---

 end _get_diopts.Wra
> pon 

---


- if "`fvwrap'" != "" {
= if "" != "" {
  FVWrap, `fvwrap'
}
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
= c_local DEFAULT
- if `K' == 2 {
= if 1 == 2 {
  c_local `c_opts' ``options'
}
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'

```

```

= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95


---


> 

---

 end _get_diopts.GetDio
> pts 

---


- if ``name2''' == "" {
= if `''' == "" {
- GetDiopts DUPS, `options'
= GetDiopts DUPS,


---


> 

---

 begin _get_diopts.GetDio
> pts 

---


- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
- opts_exclusive "`allbaselevels' `noallbaselevels'"
= opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts''' != "" {
= while `''' != "" {
local ++n
gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"

```

```

= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____

```



```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
}
}

```

```

- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth("`pformat'") > 5 {

```

```

        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat ``pformat'''
    local pformat `pformat(pformat)''
    }
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wrapon , `fvwrapon'
= Wrapon ,

> ----- begin _get_diopts.Wra
> pon -----
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwrapon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive ``word' `width'" fvwrapon
    = opts_exclusive " " fvwrapon

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts''' != "" {
    = while `''' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit

> ----- end opts_exclus
> ive -----

```

```

        - local fvwrapon `word' `width'
        = local fvwrapon
        - if `:length local fvwrapon' {
        = if 0 {
            c_local fvwrapon fvwrapon(`fvwrapon')
        }
    }
}

> ----- end _get_diopts.Wra
> pon -----
        - if "`fvwrap'" != "" {
        = if "" != "" {
            FVWrap, `fvwrap'
        }
        - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basele
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
        = c_local DUPS
        - if `K' == 2 {
        = if 1 == 2 {
            c_local `c_opts' ``options'
        }
        - sreturn local coding `coding'
        = sreturn local coding
        - sreturn local versus `versus'
        = sreturn local versus
        - sreturn local compare `compare'
        = sreturn local compare
        - sreturn local level `level'
        = sreturn local level 95
    }
}

> ----- end _get_diopts.GetDio
> pts -----
        - }
        - else {
            GetDiopts DUPS options, `options'
            c_local `name2' ``options'
        }
        - local DUPS : list DUPS - DEFAULT
        - gettoken DUPS : DUPS
        - if ``DUPS' != "" {
        = if `"' != "" {
            if (strpos(`DUPS', "(")) {
                gettoken DUPS : DUPS, parse("(")
                local DUPS `DUPS'()'
            }
        }
    }
}

```

```

        di as err "duplicate {bf:`DUPS'} option not allowed"
        exit 198
    }
    - sreturn clear
    - foreach sname of local snames {
    - sreturn local `sname' = ``S_`sname''''
    = sreturn local level = ``95''
    - }
    - sreturn local `sname' = ``S_`sname''''
    = sreturn local k = ``0''
    - }
}

> ----- end _get_dio
> pts -----
    - if ``markdown' != '' {
    = if '' != '' {
        set linesize `lsize'
    }
    - if ``eqselect' == '' & ``eformnote' != "noeformnote" {
    = if '' == '' & '' != "noeformnote" {
    - if ``eformdi' != '' & (`e(cmd)' != "gnbreg" | ``e(prefix)' == "svy
> ") {
    = if ``' != '' & ("regress" != "gnbreg" | "" == "svy") {
        local k_eform `r(k_eform)'
        if (`k_eform' == "") {
            local k_eform = 1
        }
        local k_eq `e(k_eq)'
        if (`k_eq' == "") {
            local k_eq = 1
        }
        if (`k_eform' < `k_eq' & `k_eform') {
            if (`e(cmd2)' == "stintreg" | ``e(cmd2)' == "streg") & (`e(cmd
> )' == "weibull" | ``e(cmd)' == "gompertz") {
            }
            else {
                _eform_multeq_note efnote : `k_eform' ``tr_item''
                di as txt ``efnote''
            }
        }
    }
    - if (`eformdi' != '' & ``e(noconstant)' == "0" & ``eform_cons_ti'
> '' != '' & ``e(consonly)' != "1") {
        = if (`' != '' & "" == "0" & ``' != '' & '' != "1") {
            if (`e(cmd)' == "asclogit" | ``e(cmd)' == "cmclogit" | ``e(cmd)' ==
> "cmmixlogit" | ``e(cmd)' == "cmxtmixlogit" ) {

```



```

local asvar = ``e(ranvars)``e(fixvars)``e(indvars)`` != ""
if ``e(casevars)`` != "" & `asvar' {
local note1 "Exponentiated coefficients represent odds ratios for
> "

local note2 "alternative-specific variables (first equation) and "
local note3 "{help j_cmrisk###_new:relative-risk ratios} "
local note4 "for case-specific variables."
di as txt "{p 0 6 2}Note: `note1'`note2'`note3'`note4'{p_end}"
}
}
if ``eform_cons_ti' == "Inc. rate" {
local eform_cons_note "incidence rate"
}
else if ``eform_cons_ti' == "Rel. risk" {
local eform_cons_note "relative risk"
}
else if ``eform_cons_ti' == "Health" {
local eform_cons_note "health (probability of no disease)"
}
else {
local eform_cons_note = strlower(``eform_cons_ti'')
}
local eform_cons_note "baseline `eform_cons_note'"
if (``e(cmd2)' == "") {
local cmd `e(cmd)'
}
else {
local cmd `e(cmd2)'
}
local f2 = udsustr(``cmd'',1,2)
local is_re = (``f2'=="xt" | ``f2'=="me")
if `is_re' {
local extranote " (conditional on zero random effects)"
}
di as txt "{p 0 6 2}Note: {bf:_cons} estimates " ``eform_cons_note
> ``extranote'``_c
if (``e(cmd)'=="mlogit" | ``e(cmd)'=="asclogit" | ``e(cmd)'=="c
> mclogit" | ``e(cmd)'=="cmmixlogit" | ``e(cmd)'=="cmxtmixlogit" ) {
di as txt " for each outcome" _c
}
di as txt ".{p_end}"
}
- }
- return add
- if !`keepmc' {
= if !0 {

```

```

- return local mcmethod
- return local mctitle
- }

```

```

> _____ end _coef_ta
> ble _____

```

```

> _____ end _ereturn_disp
> lay _____
- mat `b1' = (1/`mean')*e(b)
= mat __000006 = (1/__000001)*e(b)
- mat score double `xb' = `b1' `if'
= mat score double __000004 = __000006 if __000000
- LikePois `y' `xb'`poff' [`weight'`exp'] `if', n(`nobs')
= LikePois piq_timing_max __000004 [] if __000000, n(__000002)

```

```

> _____ begin poisson.LikeP
> ois _____
- gettoken y 0 : 0
- gettoken xb 0 : 0
- syntax [fw aw pw iw] [if] , Nobs(string)
- if "`weight'"!="" {
= if ""!="" {
if "`weight'"=="fweight" {
local wt `[fw`exp']
}
else if "`weight'"=="iweight" {
local wt `[iw`exp']
}
else local wt `[aw`exp']
}
- tempvar lnf
- qui gen double `lnf' = `y'*(`xb')-exp(`xb')-lgamma(`y'+1) `if'
= qui gen double __000009 = piq_timing_max*(__000004)-exp(__000004)-ln
> gamma(piq_timing_max+1) if __000000
- summarize `lnf' `wt' `if', meanonly
= summarize __000009 if __000000, meanonly
- if r(N) != `nobs' { exit }
= if r(N) != __000002 { exit }
- if "`weight'"=="aweight" {
= if ""=="aweight" {
ret scalar lnf = r(N)*r(mean)
}
- else ret scalar lnf = r(sum)

```

```

> _____ end poisson.LikeP

```

```

> ois
- scalar `lnf1' = r(lnf)
= scalar __000008 = r(lnf)
- }
- if "`constan'"==" " {
= if ""==" " {
- SolveC `y' `xb'`poff' [`weight'`exp'] `if', n(`nobs') mean(`mean')
= SolveC piq_timing_max __000004 [] if __000000, n(__000002) mean(__0000
> 01)

> ----- begin poisson.Sol
> veC
- gettoken y 0 : 0
- gettoken xb 0 : 0
- syntax [fw aw pw iw] [if] , Nobs(string) Mean(string)
- if "`weight'"=="pweight" {
= if ""=="pweight" {
    local weight "aweight"
    }
- capture confirm variable `xb'
= capture confirm variable __000004
- if _rc {
    tempvar xbnew
    qui gen double `xbnew' = (`xb') `if'
    local xb `xbnew'
    }
- summarize `xb' [`weight'`exp'] `if', meanonly
= summarize __000004 [] if __000000, meanonly
- if r(N) != `nobs' { exit }
= if r(N) != __000002 { exit }
- if r(max) - r(min) > 2*709 {
    exit
    }
- if r(max) > 709 | r(min) < -709 {
    tempname shift
    if r(max) > 709 { scalar `shift' = 709 - r(max) }
    else scalar `shift' = -709 - r(min)
    local shift "+`shift'"
    }
- tempvar expoff
- qui gen double `expoff' = exp(`xb'`shift') `if'
= qui gen double __000009 = exp(__000004) if __000000
- summarize `expoff' [`weight'`exp'], meanonly
= summarize __000009 [], meanonly
- if r(N) != `nobs' { exit }
= if r(N) != __000002 { exit }

```

```

- return scalar _cons = ln(`mean')-ln(r(mean))`shift'
= return scalar _cons = ln(__000001)-ln(r(mean))


---


> 

---

 end poisson.Sol
> veC 

---


- tempname c
- scalar `c' = r(_cons)
= scalar __000009 = r(_cons)
- if `c'<. {
= if __000009<. {
- local c "+`c'"
= local c "+__000009"
- }
- else local c
- LikePois `y' `xb'`poff'`c' [`weight'`exp'] `if', n(`nobs')
= LikePois piq_timing_max __000004+__000009 [] if __000000, n(__000002)


---


> 

---

 begin poisson.LikeP
> ois 

---


- gettoken y 0 : 0
- gettoken xb 0 : 0
- syntax [fw aw pw iw] [if] , Nobs(string)
- if "`weight'"!=" {
= if ""!=" {
if "`weight'"=="fweight" {
local wt `[fw`exp']"
}
else if "`weight'"=="iweight" {
local wt `[iw`exp']"
}
else local wt `[aw`exp']"
}
- tempvar lnf
- qui gen double `lnf' = `y'*(`xb')-exp(`xb')-lngamma(`y'+1) `if'
= qui gen double __00000A = piq_timing_max*(__000004+__000009)-exp(__0
> 000004+__000009)-lngamma(piq_timing_max+1) if __000000
- summarize `lnf' `wt' `if', meanonly
= summarize __00000A if __000000, meanonly
- if r(N) != `nobs' { exit }
= if r(N) != __000002 { exit }
- if "`weight'"=="aweight" {
= if ""=="aweight" {
ret scalar lnf = r(N)*r(mean)
}
- else ret scalar lnf = r(sum)


---



```

```

> _____ end poisson.LikeP
> ois _____
    - tempname lnflc
    - scalar `lnflc' = r(lnf)
    = scalar __00000A = r(lnf)
    - }
    - else local lnflc .
    - capture {
    - gen double `z' = `y'*exp(-(`xb'`poff'`c'))-1 +`xb'`c' `if'
    = gen double __000005 = piq_timing_max*exp(-(__000004+__000009))-1 +__00
> 0004+__000009 if __000000
    - `vv' _regress `z' `xvars' [aw=`wt'exp(`xb'`poff'`c'))] `if', `constan'
    = version 18.5, missing: _regress __000005 rule_g rule_itr estimated 0b
> .cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext
> #0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0
> b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext
> #1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint
> _mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late
> #0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_la
> te#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_la
> te#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mi
> d#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o
> .est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_
> ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_earl
> y 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_
> ext#0b.est_late 1o.cb_authors_ext#1o.est_late [aw=exp(__000004+__000009)] if
> __000000,
    _____
> _____ begin _ereturn_disp
> lay _____
    - version 11
    - if "`e(b)'" == "" & "`e(V)'" == "" {
    = if "matrix" == "" & "matrix" == "" {
        exit
    }
    - if "`e(cmd)'" == "regress" {
    = if "regress" == "regress" {
        - local ALTOPT Beta
        - }
        - syntax [, eform(passthru) First neq(integer -1) PPlus `ALTOPT' *]
        = syntax [, eform(passthru) First neq(integer -1) PPlus Beta *]
        - _get_mcompare, `options'
        = _get_mcompare, level(95.00) fwrap(1)
    _____
> _____ begin _get_mcomp
> are _____

```

```

- version 11
- local cmd ``e(cmd)'''
= local cmd `regress'
- syntax [name(name=caller)] [, *]
- local is_pwc = inlist("pwcompare", "`cmd'", "`caller'") | inlist("
> pwmean", "`cmd'", "`caller'")
= local is_pwc = inlist("pwcompare", "regress", "") | inlist("pwmean
> ", "regress", "")
- local is_marg = inlist("margins", "`cmd'", `e(cmd2)', "`caller'"
> )
= local is_marg = inlist("margins", "regress", "", "")
- local OPTIONS NOADJUST BONferroni DUNCAn DUNNett SCHeffe SIDak SNK
> TUKey ADJustall
- if `is_pwc' {
= if 0 {
syntax [name] [, `OPTIONS' MCOMPare(string) *]
}
- else {
- syntax [name] [, MCOMPare(string) *]
- local suboption mcompare()
- }
- sreturn clear
- sreturn local options ``options'''
= sreturn local options `level(95.00) fwrap(1)''
- if `is_pwc' {
= if 0 {
local METHOD `noadjust' `bonferroni' `duncan' `dunnett' `scheffe'
> `sidak' `snk' `tukey'
local METHOD : list uniq METHOD
opts_exclusive ``METHOD''
local ALL `adjustall'
opts_exclusive ``noadjust' `ALL''
}
- local 0 `", `mcompare'''
= local 0 `", ''
- capture syntax [, `OPTIONS']
= capture syntax [, NOADJUST BONferroni DUNCAn DUNNett SCHeffe SIDak
> SNK TUKey ADJustall]
- if c(rc) {
di as err "invalid mcompare() option;"
di as err "method ``mcompare'' not allowed"
error 198
}
- local METHOD `METHOD' `noadjust' `bonferroni' `duncan' `dunnett' `
> scheffe' `sidak' `snk' `tukey'
= local METHOD

```

```

- local METHOD : list uniq METHOD
- local ALL `ALL' `adjustall'
= local ALL
- local ALL : list uniq ALL
- opts_exclusive "`METHOD'" `suboption'
= opts_exclusive "" mcompare()

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'" != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - if "`METHOD'" == "" {
    = if "" == "" {
    - if "`ALL'" != "" {
    = if "" != "" {
        di as err "multiple comparison method required with the adjustall
> option"
        exit 198
    }
    - local METHOD noadjust
    - local noadjust noadjust
    - }
    - opts_exclusive "`ALL' `noadjust'" `suboption'
    = opts_exclusive " noadjust" mcompare()

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts noadjust
    - local n 0

```

```

- while ``opts'' != "" {
= while "noadjust" != "" {
- local ++n
- gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
- }
- while ``opts'' != "" {
= while ``' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 1 < 2 {
- exit

> _____ end opts_exclus
> ive _____
- local EXCLUDE duncan dunnett snk tukey
- if `:list METHOD in EXCLUDE' {
= if 0 {
  if `is_pwc' {
    local opt : copy local METHOD
  }
  else {
    local opt "mcompare(`METHOD')"
  }
  local cmdlist anova manova regress mvreg pwmean
  if "`cmd'" == "pwcompare" {
    local cmd ``e(cmd_est)''
  }
  if `is_marg' {
    local cmd margins
  }
  if !`:list cmd in cmdlist' | !`is_pwc' {
    di as err ``method `opt' is not allowed with results from `cmd''
    exit 322
  }
  if ``e(prefix)'' == "svy" {
    di as err ``method `opt' is not allowed with results using the svy
> prefix''
    exit 322
  }
  local vce ``e(vce)''
  if !inlist("`vce'", "", "ols") {
    di as err ``method `opt' is not allowed with results using vce(`vc
> e')''

```



```

        exit 322
    }
}
- local EXCLUDE duncan dunnett snk tukey scheffe
- if `:list METHOD in EXCLUDE' {
= if 0 {
    if "`ALL'" != "" {
        di as err `"option adjustall is not allowed with method `METHOD'"
        exit 198
    }
}
- sreturn local method ``METHOD'''
= sreturn local method `noadjust'
- sreturn local adjustall ``ALL'''
= sreturn local adjustall `'''

> _____ end _get_mcomp
> are _____
- if "`s(method)'" != "" {
= if "noadjust" != "" {
- loca mcopt mcompare(`s(method)' `s(adjustall)')
= loca mcopt mcompare(noadjust )
- }
- _get_diopts diopts, `s(options)'
= _get_diopts diopts, level(95.00) fvwrap(1)

> _____ begin _get_dio
> pts _____
- version 11
- syntax namelist(max=2) [, *]
- gettoken name1 namelist : namelist
- gettoken name2 namelist : namelist
- GetDiopts diopts options, `options'
= GetDiopts diopts options, level(95.00) fvwrap(1)

> _____ begin _get_diopts.GetDio
> pts _____
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevel
> s NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells
> NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string) sf
> ormat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAP0
> N(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV
> V ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels
> ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcell

```

```

> s EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cform
> at(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pass
> thru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pass
> thru) NOABBREV ABBREV *)
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____

```

```

- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus

```

```

> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

>
> end opts_exclus
> ive
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "

>
> begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

>
> end opts_exclus
> ive
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "

>
> begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'

```

```

= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}

```

```

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {

```



```

confirm numeric format `cformat'
if fmtwidth("`cformat'") > 9 {
local cformat "%9.0g"
di "{txt}note: invalid cformat(), using default"
}
sreturn local cformat "`cformat'"
local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
confirm numeric format `sformat'
if fmtwidth("`sformat'") > 8 {
local sformat "%8.2f"
di "{txt}note: invalid sformat(), using default"
}
sreturn local sformat "`sformat'"
local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth("`pformat'") > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat "`pformat'"
local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraupon , `fvwraupon'
= Wraupon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwraupon() option;"
syntax [, W0rd WIdth]
exit 198

```

```

    }
    - opts_exclusive "`word' `width'" fwwrapon
    = opts_exclusive " " fwwrapon
}

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }

> ----- end opts_exclus
> ive
    - local fwwrapon `word' `width'
    = local fwwrapon
    - if `:length local fwwrapon' {
    = if 0 {
        c_local fwwrapon fwwrapon(`fwwrapon')
    }

> ----- end _get_diopts.Wra
> pon
    - if "`fwwrap'" != "" {
    = if "fwwrap(1)" != "" {
        - FWWrap, `fwwrap'
    = FWWrap, fwwrap(1)

> ----- begin _get_diopts.FWV
> rap
    - syntax, fwwrap(integer)
    - if `fwwrap' < 0 {
    = if 1 < 0 {
        di as err "{p}invalid option {bf:fwwrap(`fwwrap')}"; " "nonnega
> tive integer required{p_end}"
        exit 198
    }

```

```

> _____ end _get_diopts.FVW
> rap _____
    - }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> els' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflege
> nd' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fv
> wrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local diopts          fvwrap(1)
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options''
    = c_local options `''
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
    _____

> _____ end _get_diopts.GetDio
> pts _____
    - c_local `name1' ``diopts''
    = c_local diopts `fvwrap(1)''
    - local snames : s(macros)
    - foreach sname of local snames {
    - local S_`sname' = s(`sname')
    = local S_level = s(level)
    - }
    - local S_`sname' = s(`sname')
    = local S_method = s(method)
    - }
    - local S_`sname' = s(`sname')
    = local S_options = s(options)
    - }
    - sreturn clear
    - GetDiopts DEFAULT
    _____

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevel
> s NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells
> NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string) sf
> ormat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAP0

```

```

> N(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBRE
> V ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels
> ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcell
> s EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cform
> at(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pass
> thru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pass
> thru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```

```

> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
    -----

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`nocl' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts

```



```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}


---


> 

---

 end opts_exclus
> ive 

---


    - local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
= local baselevels
    - local emptycells `emptycells' `noemptycells'
= local emptycells
    - local omitted `omitted' `noomitted'
= local omitted
    - local lstretch `lstretch' `nolstretch'
= local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
    - local abbrev `abbrev' `noabbrev'
= local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
= if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells
    }
    - }
    - if "`omitted'" == "" {
= if "" == "" {
    - if c(showomitted) == "off" {
        local omitted noomitted
    }
    - }
    - if "`lstretch'" == "" {
= if "" == "" {
    - if c(lstretch) == "off" {

```

```

    local lstretch nolstretch
    }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth(`""cformat'') > 9 {
        local cformat "%9.0g"
        di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat `""cformat'""
    local cformat `cformat(`cformat')""
    }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth(`""sformat'') > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat `""sformat'""
    local sformat `sformat(`sformat')""
    }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`""pformat'') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `""pformat'""
    local pformat `pformat(`pformat')""
    }
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraon , `fvwraon'
= Wraon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, WOrd WIdth]
- if c(rc) {
  di as err "invalid fvwrapon() option;"
  syntax [, WOrd WIdth]
  exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'"" != "" {
= while `""' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- local fvwrapon `word' `width'
= local fvwrapon
- if `:length local fvwrapon' {
= if 0 {
  c_local fvwrapon fvwrapon(`fvwrapon')
}

```

```

> ----- end _get_diopts.Wra
> pon -----
- if "`fvwrap'" != "" {
= if "" != "" {
  FVWrap, `fvwrap'
}
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> els' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflege
> nd' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fv
> wrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
= c_local DEFAULT
- if `K' == 2 {

```

```

= if 1 == 2 {
    c_local `c_opts' ``options'
}
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95


---


> _____ end _get_diopts.GetDio
> pts _____
    - if ``name2' == "" {
    = if ``' == "" {
    - GetDiopts DUPS, `options'
    = GetDiopts DUPS,


---


> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevel
> s NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells
> NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string) sf
> ormat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAP0
> N(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV
> V ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels
> ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcell
> s EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cform
> at(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pass
> thru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pass
> thru) NOABBREV ABBREV *]
    - opts_exclusive ``allbaselevels' `noallbaselevels'
    = opts_exclusive " "


---


> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while ``' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nobaselevels'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```

```

> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
-----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
-----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
-----

```



```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'

```

```

= local abbrev
- if "`allbaselevels'"`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"

```

```

    local sformat ``sformat(`sformat')''
  }
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth(`"pformat"') > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat `"pformat"'
  local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
}
- Wrapon , `fvwrapon'
= Wrapon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
  di as err "invalid fvwrapon() option;"
  syntax [, W0rd WIdth]
  exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}

```

```

        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}

> ----- end opts_exclus
> ive -----
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
}

> ----- end _get_diopts.Wra
> pon -----
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> els' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflege
> nd' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fv
> wrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options'
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95

> ----- end _get_diopts.GetDio
> pts -----
    - }
    - else {
        GetDiopts DUPS options, `options'
        c_local `name2' ``options'
    }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS

```

```

- if ``DUPS'' != "" {
= if `'' != "" {
  if (strpos(`DUPS'', "(") {
    gettoken DUPS : DUPS, parse("(")
    local DUPS ``DUPS'()'
  }
  di as err "duplicate {bf:`DUPS'} option not allowed"
  exit 198
}
- sreturn clear
- foreach sname of local snames {
- sreturn local `sname' = ``S_`sname''
= sreturn local level = `95'
- }
- sreturn local `sname' = ``S_`sname''
= sreturn local method = `noadjust'
- }
- sreturn local `sname' = ``S_`sname''
= sreturn local options = `level(95.00) fvwrap(1)'
- }

```

```

> _____ end _get_dio
> pts _____
  - if !`:length local first' {
  = if !0 {
  - local first showeqns
  - }
  - if `neq' < 1 {
  = if -1 < 1 {
  - _ms_eq_info
  - local neqopt neq(`r(k_eq)')
  = local neqopt neq(1)
  - }
  - else {
    local neqopt neq(`neq')
  }
  - _coef_table, nodiparm nocnsreport noeqcheck eformall `eform' `first'
> `neqopt' `plus' `beta' `mcopt' `diopts'
  = _coef_table, nodiparm nocnsreport noeqcheck eformall showeqns neq(1
> ) mcompare(noadjust ) fvwrap(1)

```

```

> _____ begin _coef_ta
> ble _____
  - version 11
  - local vv : di "version " string(max(11,_caller())) ", missing:"
  - if (!c(noisily) & c(coeftabresults) == "off") {

```

```

    exit
  }
- _check_eclass
- syntax [, BMATrix(passthru) VMATrix(passthru) * ]
- if "`e(b)'" == "" & "`e(V)'" == "" & "`bmatrix'`vmatrix'"==" {
= if "matrix" == "" & "matrix" == "" & ""==" {
    exit
  }
- local mc_cmds contrast margins pwcompare pwmean
- local cmd "`e(cmd)'"
= local cmd "regress"
- local keepmc : list cmd in mc_cmds
- if inlist("`cmd'", "pwcompare", "pwmean") {
= if inlist("regress", "pwcompare", "pwmean") {
    local groups GROUPS
  }
- if "`cmd'" == "regress" {
= if "regress" == "regress" {
- local beta Beta
- }
- if "`cmd'" == "gsem" {
= if "regress" == "gsem" {
    local fvignore fvignore(int 0)
    local flignore flignore
  }
- if "`cmd'" == "sem" {
= if "regress" == "sem" {
    local standardized STANDARDIZED
    local showginvariant SHOWGINvariant
    local nolabel NOLABel LABel NOFVLABel FVLABel
    local nofootnote NOFOOTnote
    local wrap wrap(numlist max=1) fvwrap(passthru)
  }
- if "`e(mi)'"=="mi" {
= if ""=="mi" {
    local dftable DFTable
    local dfonly DFONLY
    local noclustreport NOCLUSTReport
    local pisematrix PISEMATrix(string)
  }
- syntax [, cmdextras BMATrix(string) VMATrix(string) EMATrix(string)
> ) DFMATrix(string) EQMATrix(string) ROWMATrix(string) CIMATrix(string) PMATr
> ix(string) TSMATrix(string) ROWCFormat(string) ROWPFormat(string) ROWSFormat
> (string) NOROWCI MMATrix(string) MVMATrix(string) MEMATrix(string) BSTDMATri
> x(string) CNSMATrix(string) PCLASSMATrix(string) Level(cilevel) prefix(name)
> cnszero(string) suffix(name) OFFSETlist(string asis) `beta' `standardized'

```



```

> NOCI NOPValues `dftable' `dfonly' dfci DFPValues dfmissing `groups' COEFLege
> nd selegend `fvignore' `flignore' `showginvariant' `nolabel' `nofootnote' `w
> rap' sort `pisematrix' depname(string) COEFTitle(string) coeftitle2(string)
> ptitle(string) cititle(string) NOMCLEgend noCNSReport FULLCNSReport `noclust
> report' cformat(passthru) sformat(passthru) pformat(passthru) NOFirst First
> SHOWEQns neq(integer -1) NODIPARM NOTEST SEPARATOR(integer 0) NOSKIP OFFSETO
> NLY1 PLUS NOEQCHECK EFORMALL CITYPE(string) eqselect(string) cidisjoint noEF
> ORMNOTE * ]
    = syntax [, cmdextras BMATrix(string) VMATrix(string) EMATrix(string)
> ) DFMATrix(string) EQMATrix(string) ROWMATrix(string) CIMATrix(string) PMATr
> ix(string) TSMATrix(string) ROWCFormat(string) ROWPFormat(string) ROWSFormat
> (string) NOROWCI MMATrix(string) MVMATrix(string) MEMATrix(string) BSTDMATri
> x(string) CNSMATrix(string) PCLASSMATrix(string) Level(cilevel) prefix(name)
> cnszero(string) suffix(name) OFFSETlist(string asis) Beta NOCI NOPValues
> dfci DFPValues dfmissing COEFLegend selegend sort depname(string) C
> OEFTitle(string) coeftitle2(string) ptitle(string) cititle(string) NOMCLEGen
> d noCNSReport FULLCNSReport cformat(passthru) sformat(passthru) pformat(pas
> sthru) NOFirst First SHOWEQns neq(integer -1) NODIPARM NOTEST SEPARATOR(inte
> ger 0) NOSKIP OFFSETONLY1 PLUS NOEQCHECK EFORMALL CITYPE(string) eqselect(st
> ring) cidisjoint noEFORMNOTE * ]
    - if "`wrap'" != "" {
    = if "" != "" {
        opts_exclusive `"wrap(\`wrap')" `fvwrap"'
        local fvwrap fvwrap(\`wrap')
    }
    - if "`nolabel'"`label'" != "" {
    = if "" != "" {
        opts_exclusive "`nolabel' `label'"
        opts_exclusive "`nofvlabel' `fvlabel'"
        opts_exclusive "`nolabel' `fvlabel'"
        opts_exclusive "`nofvlabel' `label'"
        if "`nolabel'" != "" {
            local fvlabel nofvlabel
        }
        else {
            local fvlabel fvlabel
        }
    }
    - _novce_other_mats, cimatrix("`cimatrix'") pmatrix("`pmatrix'") tsm
> atrix("`tsmatrix'") `noci' `nopvalues' `dfci' `dfpvalues' `cidisjoint'
    = _novce_other_mats, cimatrix("") pmatrix("") tsmatrix("")

> _____ begin _coef_table._novce_other_m
> ats _____
    - syntax [anything], [ CIMATrix(string) PMATrix(string) TSMATrix(s
> tring) NOCI NOPValues dfci DFPValues cidisjoint ]

```

```

- if (`pmatrx'=="" & `tsmatrx'=="" & `e(V)'=="" & `cimatr
> ix'!="") & `noci'!="") {
    = if (""=="" & ""=="" & "matrix"=="" & ""!=" & ""!=") {
        sreturn local cimatrix "empt"
    }
- if (`pmatrx'=="" & `tsmatrx'!=" & `e(V)'=="" & `cimatr
> ix'=="" & (`noci'!="|`nopvalues'!=")) {
    = if (""=="" & ""!=" & "matrix"=="" & ""=="" & (""!="|""!=")) {
        sreturn local noci "empt"
        sreturn local nopvalues "empt"
    }
- if (`pmatrx'=="" & `tsmatrx'=="" & `e(V)'=="" & `cimatr
> ix'!=" & `noci'!="") {
    = if (""=="" & ""=="" & "matrix"=="" & ""!=" & ""!=") {
        sreturn local cimatrix "empt"
    }
- if (`pmatrx'!=" & `tsmatrx'=="" & `e(V)'=="" & `cimatr
> ix'=="" & `nopvalues'!="") {
    = if (""!=" & ""=="" & "matrix"=="" & ""=="" & ""!=") {
        sreturn local pmatrx "empt"
    }
- if (`pmatrx'!=" & `tsmatrx'=="" & `e(V)'=="" & `cimatr
> ix'=="" & `noci'!="") {
    = if (""!=" & ""=="" & "matrix"=="" & ""=="" & ""!=") {
        sreturn local noci "empt"
    }
- if (`pmatrx'!="") {
= if (""!=") {
    tempname pmat invalid
    capture matrix `pmat' = `pmatrx'
    local rc = _rc
    if (`rc') {
        display as error "invalid {bf:pmatrx()}"
        exit 198
    }
    else {
        local k: rowsof `pmat'
        if (`k'>1 | `k'==0) {
            display as error "{bf:pmatrx()} should be a row vector"
            exit 198
        }
    }
    scalar `invalid' = 1
    mata: _is_in_0_1void("`pmat'", "`invalid'")
    if (`invalid'==0) {
        display as error "invalid {bf:pmatrx()}"

```

```

di as txt "{p 4 4 2}"
di as smcl as err "{bf:pmatrx()}"
di as smcl as err "should contain values inside"
di as smcl as err "the interval [0,1]."
di as smcl as err "{p_end}"
exit 198
}
}
- if ("`tsmatrx'"!="") {
= if ("!=") {
tempname tmat
capture matrix `tmat' = `tsmatrx'
local rc = _rc
if (`rc') {
display as error "invalid {bf:tsmatrx()}"
exit 198
}
else {
local k: rowsof `tmat'
if (`k'>1 | `k'==0) {
display as error "{bf:tsmatrx()} should be a row vector"
exit 198
}
}
}
- if ("`cimatrx'"!="") {
= if ("!=") {
tempname cimat isvalid
capture matrix `cimat' = `cimatrx'
local rc = _rc
if (`rc') {
display as error "invalid {bf:cimatrx()}"
exit 198
}
if ("`cidisjoint'"==" & "`e(disjoint)'"=="") {
scalar `isvalid' = 1
mata: _is_in_ci("`cimat'", "`isvalid'")
if (`isvalid'==0) {
display as error "invalid {bf:cimatrx()}"
di as txt "{p 4 4 2}"
di as smcl as err "{bf:cimatrx()}"
di as smcl as err "lower limit should be"
di as smcl as err "smaller than the upper"
di as smcl as err "limit."
di as smcl as err "{p_end}"
exit 198
}
}
}
}

```

```

    }
    }
    }
- if ("`e(V)'"==" & "`dfci'"!=" & "`pmatrx'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "pmatrx() `dfci'"
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`tsmatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "tsmatrix() `dfci'"
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`cimatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "cimatrix() `dfci'"
}
- if ("`e(V)'"==" & "`dfpvalues'"!=" & "`pmatrx'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "pmatrx() `dfci'"
}
- if ("`e(V)'"==" & "`dfpvalues'"!=" & "`tsmatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "tsmatrix() `dfpvalues'"
}
- if ("`e(V)'"==" & "`dfpvalues'"!=" & "`cimatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "cimatrix() `dfpvalues'"
}

```

```
> _____ end _coef_table._novce_other_m
```

```
> ats _____
- if ("`s(cimatrix)'"=="empt") {
= if ("=="empt") {
  local cimatrix ""
}
- if ("`s(pmatrx)'"=="empt") {
= if ("=="empt") {
  local pmatrx ""
}
- if ("`s(noci)'"=="empt") {
= if ("=="empt") {
  local noci ""
}
- if ("`s(nopvalues)'"=="empt") {
= if ("=="empt") {
  local nopvalues ""
}

```

```

- if ("`e(V)'"!="" & "`cidisjoint'"!="") {
= if ("matrix"!=" & ""!="") {
  display in red "option {bf:cidisjoint} not allowed when e(V) is po
> sted"
  exit 198
}
- else local fvlabel `nofvlabel' `fvlabel'
= else local fvlabel
- local type `coeflegend' `selegend'
= local type
- opts_exclusive "`type' `standardized'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ``opts'" != "" {
  = while `""' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
  - exit

> ----- end opts_exclus
> ive -----
  - if (``rowmatrix'"=="" & "`norowci'"!="") {
  = if (``'"=="" & ""!="") {
    di as err "{bf:norowci} requires {bf:rowmatrix()}"
    exit 198
  }
  - if (``dftable'"!=" & "`norowci'"!="") {
  = if (""!=" & ""!="") {
    di as err "{bf:norowci} is not allowed with {bf:`dftable'}"
    exit 198
  }
  - if (``dfonly'"!=" & "`norowci'"!="") {
  = if (""!=" & ""!="") {
    di as err "{bf:norowci} is not allowed with {bf:`dfonly'}"
    exit 198
  }
}

```

```

- if ("`nocl`"!=" & "`norowcl`"!=") {
= if ("!=" & "!=") {
    di as err "{bf:norowcl} is not allowed with {bf:`nocl`}"
    exit 198
}
- if "`standardized`" != "" & "`bstdmatrix`" != "" {
= if "" != "" & "" != "" {
    local beta beta
    local standardized
}
- if `:length local type' == 0 {
= if 0 == 0 {
    - local type `beta' `nocl' `nopvalues' `dftable' `dfonly' `groups' `
> dfcl' `dfpvalues'
    = local type
    - }
    - opts_exclusive "`type'"
    = opts_exclusive ""

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while "`opts`" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`first' `nofirst'"
    = opts_exclusive " "

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`first' `showeqns'"
= opts_exclusive " showeqns"
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts showeqns
- local n 0
- while ``opts'' != "" {
= while `"showeqns"' != "" {
- local ++n
- gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
- }
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 1 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local cnsreport `cnsreport' `fullcnsreport'
= local cnsreport nocnsreport
- opts_exclusive "`cnsreport'"
= opts_exclusive "nocnsreport"
}

> ----- begin opts_exclus
> ive -----

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts nocnsreport
- local n 0
- while ``opts' != "" {
= while `"nocnsreport" != "" {
- local ++n
- gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
- }
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 1 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- if ``showeqns' != "" {
= if `"showeqns" != "" {
- local nofirst nofirst
- }
- if ``ematrix'`noeqcheck' == "" {
= if `"noeqcheck" == "" {
  if ``e(error)' == "matrix" {
    local ematrix e(error)
  }
}
- _get_mcompare, `options'
= _get_mcompare, mcompare(noadjust ) fwrap(1)

> ----- begin _get_mcomp
> are -----
- version 11
- local cmd ``e(cmd)''
= local cmd `"regress"
- syntax [name(name=caller)] [, *]
- local is_pwc = inlist("pwcompare", "`cmd'", "`caller'") | inlist
> ("pwmean", "`cmd'", "`caller'")
= local is_pwc = inlist("pwcompare", "regress", "") | inlist("pwme
> an", "regress", "")
- local is_marg = inlist("margins", "`cmd'", "e(cmd2)'", "`caller

```



```

> ""
    = local is_marg = inlist("margins", "regress", "", "")
    - local OPTIONS NOADJust BONferroni DUNCan DUNNett SCHeffe SIDak S
> NK TUKey ADJustall
    - if `is_pwc' {
    = if 0 {
        syntax [name] [, `OPTIONS' MCOMPare(string) *]
    }
    - else {
    - syntax [name] [, MCOMPare(string) *]
    - local suboption mcompare()
    - }
    - sreturn clear
    - sreturn local options ``options'''
    = sreturn local options ``fvwrap(1)'''
    - if `is_pwc' {
    = if 0 {
        local METHOD `noadjust' `bonferroni' `duncan' `dunnett' `scheffe
> ' `sidak' `snk' `tukey'
        local METHOD : list uniq METHOD
        opts_exclusive ``METHOD'''
        local ALL `adjustall'
        opts_exclusive ``noadjust' `ALL'''
    }
    - local 0 `", `mcompare'''
    = local 0 `", noadjust'''
    - capture syntax [, `OPTIONS']
    = capture syntax [, NOADJust BONferroni DUNCan DUNNett SCHeffe SID
> ak SNK TUKey ADJustall]
    - if c(rc) {
        di as err "invalid mcompare() option;"
        di as err "method ``mcompare'' not allowed"
        error 198
    }
    - local METHOD `METHOD' `noadjust' `bonferroni' `duncan' `dunnett'
> `scheffe' `sidak' `snk' `tukey'
    = local METHOD noadjust
    - local METHOD : list uniq METHOD
    - local ALL `ALL' `adjustall'
    = local ALL
    - local ALL : list uniq ALL
    - opts_exclusive ``METHOD''' `suboption'
    = opts_exclusive "noadjust" mcompare()

_____  

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts noadjust
- local n 0
- while ```opts'"" != "" {
= while `"noadjust" != "" {
- local ++n
- gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
- }
- while ```opts'"" != "" {
= while `""' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 1 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- if ``METHOD' == "" {
= if "noadjust" == "" {
  if ``ALL' != "" {
    di as err "multiple comparison method required with the adjustal
> l option"
    exit 198
  }
  local METHOD noadjust
  local noadjust noadjust
}
- opts_exclusive ``ALL' `noadjust' `suboption'
= opts_exclusive " noadjust" mcompare()
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts noadjust
- local n 0
- while ```opts'"" != "" {
= while `"noadjust" != "" {
- local ++n
- gettoken item`n' opts : opts, bind

```

```

= gettoken item1 opts : opts, bind
- }
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 1 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local EXCLUDE duncan dunnett snk tukey
- if `:list METHOD in EXCLUDE' {
= if 0 {
    if `is_pwc' {
    local opt : copy local METHOD
    }
    else {
    local opt "mcompare(`METHOD')"
    }
    local cmdlist anova manova regress mvreg pwmean
    if ``cmd'' == "pwcompare" {
    local cmd ``e(cmd_est)''
    }
    if `is_marg' {
    local cmd margins
    }
    if !`:list cmd in cmdlist' | !`is_pwc' {
    di as err ``method `opt' is not allowed with results from `cmd''
> '
    exit 322
    }
    if ``e(prefix)'' == "svy" {
    di as err ``method `opt' is not allowed with results using the s
> vy prefix''
    exit 322
    }
    local vce ``e(vce)''
    if !inlist("`vce'", "", "ols") {
    di as err ``method `opt' is not allowed with results using vce(`
> vce')''
    exit 322
    }
}
}

```

```

- local EXCLUDE duncan dunnett snk tukey scheffe
- if `:list METHOD in EXCLUDE' {
= if 0 {
  if ""`ALL'" != "" {
    di as err `"option adjustall is not allowed with method `METHOD'
> ""
    exit 198
  }
}
- sreturn local method ``METHOD'"
= sreturn local method `noadjust'
- sreturn local adjustall ``ALL'"
= sreturn local adjustall `"'

> _____ end _get_mcomp
> are _____
- local method ``s(method)'"
= local method `noadjust'
- local all ``s(adjustall)'"
= local all `"'
- local options ``s(options)'"
= local options `fvwrap(1)'
- if ""method'" != "noadjust" {
= if "noadjust" != "noadjust" {
  local keepmc 1
}
- opts_exclusive ""all' `groups'"
= opts_exclusive " "

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'" != "" {
= while `'" != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

> _____ end opts_exclus

```

```

> ive
    - if "`method'" == "dunnett" {
    = if "noadjust" == "dunnett" {
      opts_exclusive "`method' `groups'"
    }
    - _get_diopts diopts options, `options' `fvwrap' `fvlabel'
    = _get_diopts diopts options, fvwrap(1)

> _____ begin _get_dio
> pts
    - version 11
    - syntax namelist(max=2) [, *]
    - gettoken name1 namelist : namelist
    - gettoken name2 namelist : namelist
    - GetDiopts diopts options, `options'
    = GetDiopts diopts options, fvwrap(1)

> _____ begin _get_diopts.GetDio
> pts
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYYPE(pa
> ssthru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "

> _____ begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `"" != "" {
      local ++n
      gettoken item`n' opts : opts, bind

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nbaselevels'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nbaselevels'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"

```

```

= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
> _____ begin opts_exclus
> ive _____

```



```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev` `noabbrev`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts""` != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels` `noallbaselevels`
= local allbaselevels
    - local baselevels `baselevels` `nobaselevels`
= local baselevels
    - local emptycells `emptycells` `noemptycells`
= local emptycells
    - local omitted `omitted` `noomitted`
= local omitted
    - local lstretch `lstretch` `nolstretch`
= local lstretch
    - local fvlabel `fvlabel` `nofvlabel`
= local fvlabel
    - local abbrev `abbrev` `noabbrev`
= local abbrev
    - if "`allbaselevels` `baselevels`" == "" {

```

```

= if "" == "" {
- if c(showbaselevels) == "all" {
  local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
}
}

```

```

- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`"pformat"') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `"pformat"'
    local pformat `pformat(pformat)'"'
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwrapon() option;"
    syntax [, W0rd WIdth]
    exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'"' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {

```

```

        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
}
> ----- end _get_diopts.Wra
> pon -----
    - if "`fvwrap'" != "" {
    = if "fvwrap(1)" != "" {
    - FVWrap, `fvwrap'
    = FVWrap, fvwrap(1)
}
> ----- begin _get_diopts.FVW
> rap -----
    - syntax, fvwrap(integer)
    - if `fvwrap' < 0 {
    = if 1 < 0 {
        di as err "{p}invalid option {bf:fvwrap(`fvwrap')}"; " "nonne
> gative integer required{p_end}"
        exit 198
    }
}
> ----- end _get_diopts.FVW
> rap -----
    - }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local diopts fvwrap(1)
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' `""options'"
    = c_local options `""'
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'

```

```

        = sreturn local compare
        - sreturn local level `level'
        = sreturn local level 95
    _____
> _____ end _get_diopts.GetDio
> pts _____
    - c_local `name1' ``diopts'''
    = c_local diopts ``fvwrap(1)'''
    - local snames : s(macros)
    - foreach sname of local snames {
    - local S_`sname' = s(`sname')
    = local S_level = s(level)
    - }
    - local S_`sname' = s(`sname')
    = local S_method = s(method)
    - }
    - local S_`sname' = s(`sname')
    = local S_options = s(options)
    - }
    - sreturn clear
    - GetDiopts DEFAULT
    _____
> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
    - opts_exclusive ``allbaselevels' `noallbaselevels'''
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`allbaselevels' `nbaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nbaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n

```



```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```

```

- exit
- end opts_exclus
>
> ive
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive

```

```

- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus

```

```

> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus

> ive
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus

> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus

> ive
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus

> ive
- version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch

```

```

- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"

```

```

di "{txt}note: invalid sformat(), using default"
}
sreturn local sformat ``sformat'''
local sformat `sformat(`sformat')'''
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth(`pformat') > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat ``pformat'''
local pformat `pformat(`pformat')'''
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraupon , `fvwraupon'
= Wraupon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwraupon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive ``word' `width'" fvwraupon
= opts_exclusive " " fvwraupon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts''' != "" {
= while `''' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
}
> ----- end _get_diopts.Wra
> pon -----
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
}
> ----- end _get_diopts.GetDio
> pts -----
    - if ``name2'' == "" {
    = if ``options'' == "" {
        GetDiopts DUPS, `options'
    }
}

```



```

- else {
- GetDiopts DUPS options, `options'
= GetDiopts DUPS options,

```

```

> ----- begin _get_diopts.GetDio
> pts -----
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
- opts_exclusive "`allbaselevels' `noallbaselevels'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
local ++n
gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`allbaselevels' `nobaselevels'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
}

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist

```

```

- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'`` != "" {
= while `''` != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'`` != "" {
= while `''` != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
    = if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells
    }

```

```

- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth("`pformat'") > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat "`pformat'"
  local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']

```



```

    }
    - if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
    - Wraapon , `fvwraapon'
= Wraapon ,
    _____
> _____ begin _get_diopts.Wra
> pon _____
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwraapon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - local fvwraapon `word' `width'
= local fvwraapon
    - if `:length local fvwraapon' {
= if 0 {
        c_local fvwraapon fvwraapon(`fvwraapon')
    }
    _____
> _____ end _get_diopts.Wra
> pon _____

```

```

- if "`fvwrap'" != "" {
= if "" != "" {
    FVWrap, `fvwrap'
}
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basele
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options''
    = c_local options `''
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
}

> _____ end _get_diopts.GetDio
> pts _____
    - c_local `name2' ``options''
    = c_local options `''
    - }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS
    - if ``DUPS'' != "" {
    = if `'' != "" {
        if (strpos(`DUPS', "(")) {
            gettoken DUPS : DUPS, parse("(")
            local DUPS `DUPS'()'
        }
        di as err "duplicate {bf:`DUPS'} option not allowed"
        exit 198
    }
    - sreturn clear
    - foreach sname of local snames {
    - sreturn local `sname' = ``S_`sname''
    = sreturn local level = `95'
    - }
    - sreturn local `sname' = ``S_`sname''
    = sreturn local method = `noadjust'

```

```

- }
- sreturn local `sname' = ``S_`sname'``
= sreturn local options = ``fvwrap(1)``
- }

```

```

> _____ end _get_dio
> pts _____
- local legend coeflegend selegend
- local legend : list legend & diopts
- local diopts : list diopts - legend
- local lstretch lstretch nolstretch
- local lstretch : list lstretch & diopts
- local diopts : list diopts - lstretch
- local markdown markdown
- local markdown : list markdown & diopts
- local diopts : list diopts - markdown
- _get_diopts ignore, `diopts' `cformat' `sformat' `pformat'
= _get_diopts ignore, fvwrap(1)

```

```

> _____ begin _get_dio
> pts _____
- version 11
- syntax namelist(max=2) [, *]
- gettoken name1 namelist : namelist
- gettoken name2 namelist : namelist
- GetDiopts diopts options, `options'
= GetDiopts diopts options, fvwrap(1)

```

```

> _____ begin _get_diopts.GetDio
> pts _____
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
- opts_exclusive ``allbaselevels' `noallbaselevels'``
= opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted` `noomitted`"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch` `nolstretch`"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____

```



```

- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels

```

```

- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat('cformat')'

```

```

    }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth(`"'sformat'"') > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat `"'sformat'"'
    local sformat `"sformat(`sformat')"'
}
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`"'pformat'"') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `"'pformat'"'
    local pformat `"pformat(`pformat')"'
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
}
- Wraapon , `fvwraapon'
= Wraapon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwraapon() option;"
    syntax [, W0rd WIdth]
    exit 198
}
- opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit

> _____ end opts_exclus
> ive _____
- local fwwrapon `word' `width'
= local fwwrapon
- if `:length local fwwrapon' {
= if 0 {
    c_local fwwrapon fwwrapon(`fwwrapon')
    }

> _____ end _get_diopts.Wra
> pon _____
- if "`fwwrap'" != "" {
= if "fwwrap(1)" != "" {
- FWWrap, `fwwrap'
= FWWrap, fwwrap(1)

> _____ begin _get_diopts.FWV
> rap _____
- syntax, fwwrap(integer)
- if `fwwrap' < 0 {
= if 1 < 0 {
    di as err "{p}invalid option {bf:fwwrap(`fwwrap')}"; " "nonne
> gative integer required{p_end}"
    exit 198
    }

> _____ end _get_diopts.FWV
> rap _____
- }
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fwwrap' `fwwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'

```

```

= c_local diopts                                fvwrap(1)
- if `K' == 2 {
= if 2 == 2 {
- c_local `c_opts' ``options''
= c_local options ``''
- }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

```

```

> _____ end _get_diopts.GetDio
> pts _____
- c_local `name1' ``diopts''
= c_local ignore ``fvwrap(1)''
- local snames : s(macros)
- foreach sname of local snames {
- local S_`sname' = s(`sname')
= local S_level = s(level)
- }
- local S_`sname' = s(`sname')
= local S_options = s(options)
- }
- local S_`sname' = s(`sname')
= local S_method = s(method)
- }
- sreturn clear
- GetDiopts DEFAULT

```

```

> _____ begin _get_diopts.GetDio
> pts _____
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITtd OMITtd NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLAbel FVLAbel NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITtd OMITtd NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa

```

```

> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYTYPE(pa
> ssthru) NOABBREV ABBREV *)
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive ``emptycells' `noemptycells'
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive ``fvlabel' `nofvlabel'
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> _____ end opts_exclus
> ive _____
    - opts_exclusive "'omitted' `noomitted'"
    = opts_exclusive " "
    }

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while `"'`opts'" != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> _____ end opts_exclus
> ive _____
    - opts_exclusive "'lstretch' `nolstretch'"
    = opts_exclusive " "
    }

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0

```



```

- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus

```

> ive

```
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
  local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
```

```

    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat ``cformat''
    local cformat `cformat(`cformat')`
    }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth(`sformat') > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
        }
    sreturn local sformat ``sformat''
    local sformat `sformat(`sformat')`
    }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`pformat') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
        }
    sreturn local pformat ``pformat''
    local pformat `pformat(`pformat')`
    }
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraapon , `fvwraapon'
= Wraapon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwraapon() option;"
    syntax [, W0rd WIdth]
    exit 198
    }
- opts_exclusive ``word' `width' fvwraapon

```

```

= opts_exclusive " " fvwrapon
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
    _____
> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options'
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus

```

```

- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

```

```

> _____ end _get_diopts.GetDio
> pts _____
    - if ``name2''' == '' {
    = if `''' == '' {
    - GetDiopts DUPS, `options'
    = GetDiopts DUPS,

```

```

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
    - opts_exclusive ``allbaselevels' `noallbaselevels''
    = opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts''' != '' {
    = while `''' != '' {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "

```



```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
        - if c(showbaselevels) == "all" {
            local allbaselevels allbaselevels
        }
    - else if c(showbaselevels) == "on" {

```

```

    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth("`pformat'") > 5 {
    local pformat "%5.3f"

```

```

        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`"pformat""
    local pformat "pformat(`pformat')""
    }
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraupon , `fvwraupon'
= Wraupon ,

> _____ begin _get_diopts.Wra
> pon _____
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwraupon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive "`word' `width'" fvwraupon
    = opts_exclusive " " fvwraupon

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while "`opts'" != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit

> _____ end opts_exclus
> ive _____
    - local fvwraupon `word' `width'

```

```

        = local fvwrapon
        - if `:length local fvwrapon' {
        = if 0 {
            c_local fvwrapon fvwrapon(`fvwrapon')
        }
    }
}

> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basele
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options'
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
}

> _____ end _get_diopts.GetDio
> pts _____
    - }
    - else {
        GetDiopts DUPS options, `options'
        c_local `name2' ``options'
    }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS
    - if ``DUPS' != "" {
    = if `"' != "" {
        if (strpos(`DUPS', "(")) {
            gettoken DUPS : DUPS, parse("(")
            local DUPS `DUPS'()'
        }
        di as err "duplicate {bf:`DUPS'} option not allowed"
    }
}

```



```

        exit 198
    }
    - sreturn clear
    - foreach sname of local snames {
    - sreturn local `sname' = ``S_`sname''''
    = sreturn local level = ``95''
    - }
    - sreturn local `sname' = ``S_`sname''''
    = sreturn local options = ``fvwrap(1)''
    - }
    - sreturn local `sname' = ``S_`sname''''
    = sreturn local method = ``noadjust''
    - }


---


> _____ end _get_dio
> pts _____
    - local cformat ``s(cformat)''''
    = local cformat `''''
    - local sformat ``s(sformat)''''
    = local sformat `''''
    - local pformat ``s(pformat)''''
    = local pformat `''''
    - _get_eformopts , eformopts(`options') allowed(__all__) options
    = _get_eformopts , eformopts() allowed(__all__) options


---


> _____ begin _get_eformo
> pts _____
    - version 8.0
    - syntax [, eformopts(string asis) soptions ALLOWed(string) ]
    - local 0 , `eformopts'
    = local 0 ,
    - local EFALL NOHR hr NOSHR shr or IRr RRr tr TRatio
    - if ``soptions'' != "" {
    = if "soptions" != "" {
    - syntax [, EForm1(passthru) EForm `EFALL' * ]
    = syntax [, EForm1(passthru) EForm NOHR hr NOSHR shr or IRr RRr tr
> TRatio * ]
    - local opts ``options''''
    = local opts `''''
    - local 0 , `eform1' `eform' `nohr' `hr' `noshr' `shr' `or' `irr'
> `rrr' `tr' `tratio'
    = local 0 ,
    - }
    - if ``allowed'' == "__all__" {
    = if "__all__" == "__all__" {
    - local allowed `EFALL'

```

```

= local allowed NOHR hr NOSHR shr or IRr RRr tr TRatio
- }
- foreach ef of local allowed {
- capture confirm name `ef'
= capture confirm name NOHR
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr
- }
- capture confirm name `ef'
= capture confirm name hr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr
- }
- capture confirm name `ef'
= capture confirm name NOSHR
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr
- }
- capture confirm name `ef'
= capture confirm name shr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr
- }
- capture confirm name `ef'
= capture confirm name or
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'

```

```

= local efopts nohr hr noshr shr or
- }
- capture confirm name `ef'
= capture confirm name IRr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr
- }
- capture confirm name `ef'
= capture confirm name RRr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr
- }
- capture confirm name `ef'
= capture confirm name tr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr tr
- }
- capture confirm name `ef'
= capture confirm name TRatio
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr tr tratio
- }
- local efopts : list uniq efopts
- syntax [, EForm1(string) EForm `allowed' ]
= syntax [, EForm1(string) EForm NOHR hr NOSHR shr or IRr RRr tr T
> Ratio ]
- foreach ef of local efopts {
- local eform `eform' ``ef''
= local eform
- }

```

```

- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- if ```eform1'``'=="Odds ratio" {
= if `""'=="Odds ratio" {
    local eform_cons_ti = "Odds"
    local eform_cons_note = "odds ratios"
}
- else if ```eform1'``'=="Haz. ratio" {
= else if `""'=="Haz. ratio" {
    local eform_cons_ti = "Hazard"
    local eform_cons_note = "hazard ratios"
}
- else if ```eform1'``'=="Time ratio" {
= else if `""'=="Time ratio" {
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
}
- else if ```eform1'``'=="IRR" {
= else if `""'=="IRR" {
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
}
- else if ```eform1'``'=="Risk ratio" {

```

```

= else if `"'=="Risk ratio" {
  local eform_cons_ti = "Risk"
  local eform_cons_note = "risk ratios"
}
- else if ``eform1'=="Hlth ratio" {
= else if `"'=="Hlth ratio" {
  local eform_cons_ti = "Health"
  local eform_cons_note = "health ratios"
}
- local k : list sizeof eform
- if `k' {
= if 0 {
  opts_exclusive "`eform'"
  if `:length local eform1' {
    opts_exclusive "eform()" `eform'"
  }
}
- if `k' {
= if 0 {
  if ("`eform'"=="eform") local eform1 = "exp(b)"
  else if ("`eform'"=="hr") {
    local eform1 = "Haz. ratio"
    local eform_cons_ti = "Hazard"
    local eform_cons_note = "hazard ratios"
  }
  else if ("`eform'"=="shr") {
    local eform1 = "SHR"
    local eform_cons_ti = "Subhazard"
    local eform_cons_note = "subhazard ratios"
  }
  else if ("`eform'"=="tr") {
    local eform1 = "Time ratio"
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
  }
  else if ("`eform'"=="tratio") {
    local eform1 = "Time ratio"
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
  }
  else if ("`eform'"=="or") {
    local eform1 = "Odds ratio"
    if ("`e(cmd)'"=="asclogit" | "`e(cmd)'"=="cmclogit" | "`e(cmd)'"
> == "cmmixlogit" | "`e(cmd)'"=="cmxtmixlogit" ) {
    local eform_cons_ti = "Rel. risk"
    local eform_cons_note = "relative-risk ratios"

```

```

        local eform_cons_ti2 = "relative risk"
    }
    else {
        local eform_cons_ti = "Odds"
        local eform_cons_note = "odds ratios"
    }
}
else if ("`eform`"=="irr") {
    local eform1 = "IRR"
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
}
else if ("`eform`"=="rrr") {
    local eform1 = "RRR"
    local eform_cons_ti = "Rel. risk"
    local eform_cons_note = "relative-risk ratios"
    local eform_cons_ti2 = "relative risk"
}
else if ("`eform`"!="nohr") & ("`eform`"!="noshr") {
    local eform1 = upper("`eform`")
}
}

- sreturn clear
- sreturn local options ```opts`''
= sreturn local options `""`
- sreturn local opt `eform`
= sreturn local opt
- sreturn local str `eform1`
= sreturn local str
- if ```eform1`'' != "" {
= if `""` != "" {
    sreturn local eform eform("`eform1`")
}
- else sreturn local eform ""
- sreturn local eform_cons_ti `eform_cons_ti`
= sreturn local eform_cons_ti
- sreturn local eform_cons_note `eform_cons_note`
= sreturn local eform_cons_note
- sreturn local eform_cons_ti2 `eform_cons_ti2`
= sreturn local eform_cons_ti2

> _____ end _get_eformo
> pts _____
    - local tr_item = ```s(eform_cons_note)`''
    = local tr_item = `""`

```

```

- if inlist("`bmatrix'", "", "e(b)") & "`e(k_iform)'" == "0" {
= if inlist("", "", "e(b)") & "" == "0" {
  local eform
}
- else local eform ``s(str)''
= else local eform ``''
- local eform_cons_ti ``s(eform_cons_ti)''
= local eform_cons_ti ``''
- local eform_cons_ti2 ``s(eform_cons_ti2)''
= local eform_cons_ti2 ``''
- if ("`e(consonly)'"!="1" | ``eform_cons_ti'""=="") {
= if ("!="1" | ``'""=="") {
- local eformdi ``s(str)''
= local eformdi ``''
- }
- else {
  local eformdi ``eform_cons_ti''
  local tr_item = cond(missing("`eform_cons_ti2'"), strlower("`eform_
> m_cons_ti'"), ``eform_cons_ti2'')
}
- local coefttl = cond("`eform'""=="", ``coeftitle'', ``eformd
> i'')
= local coefttl = cond(`""=="", `'', `')
- local options ``s(options)''
= local options ``''
- _get_diparmopts, diparmopts(`options') level(`level')
= _get_diparmopts, diparmopts() level(95)

```

```

> _____ begin _get_diparmo
> pts _____
  - if _caller() < 8.2 {
    _get_diparmopts_8 `0'
    exit
  }
  - version 9
  - local version : di "version " string(_caller()) ":"
  - syntax [, diparmopts(string asis) EXECute soptions bottom plus S
> YNTAXonly * ]
  - local goptions `options'
  = local goptions level(95)
  - SpliceGlobals junk , `goptions'
  = SpliceGlobals junk , level(95)

```

```

> _____ begin _get_diparmopts.SpliceGlob
> als _____
  - syntax name(id="macro name" name=c_diparm) [, diparm(string as

```

```

> is) Level(cilevel) dof(passthru) syntaxonly ]
    - if ``dof''' == '' & ``e(df_r)''' != '' {
    = if `''' == '' & `132''' != '' {
    - capture confirm integer number `e(df_r)'
    = capture confirm integer number 132
    - if !c(rc) {
    - local gdof dof(`e(df_r)')
    = local gdof dof(132)
    - }
    - capture
    - }
    - else local gdof ``dof'''
    = else local gdof `'''
    - local glevel `level'
    = local glevel 95
    - local lopt level(`glevel')
    = local lopt level(95)
    - if (``diparm''' == '') exit
    = if (``''' == '') exit

> _____ end _get_diparmopts.SpliceGlob
> als _____
    - local 0 `", `diparmopts'''
    = local 0 `", ''
    - local diparmopts
    - local k 0
    - syntax [, diparm(string asis) * ]
    - while ``diparm''' != '' {
    = while `''' != '' {
        local ++k
        local single 1
        local after
        capture _on_colon_parse `diparm'
        if !c(rc) {
            local single 0
            local diparm ``s(before)'''
            local after ``s(after)'''
        }
        capture
        SpliceGlobals diparm , diparm(`diparm') `syntaxonly' `goptions'
        local diparm`k' ``diparm'''
        local diparmopts ``diparmopts' : `diparm'''
        if `single' | ``:list retok after''' == '' {
            local 0 `", `options'''
            syntax [, diparm(string asis) * ]
        }
    }

```



```

    else {
        local diparm ``after'''
    }
}
- if ``soptions''' == "" {
= if `''' == "" {
- syntax [, diparm(string asis) ]
- }
- if (``execute'' == "") {
= if ("" == "") {
- sreturn clear
- sreturn local options ``options'''
= sreturn local options `'''
- sreturn local diparm ``diparmopts'''
= sreturn local diparm `'''
- forval i = 1/`k' {
= forval i = 1/0 {
    sreturn local diparm`i' ``diparm`i'''
}
- sreturn local k `k'
= sreturn local k 0
- exit

```

> _____ end _get_diparmo

> pts _____

```

- local NODIPARM : length local nodiparm
- if `NODIPARM' {
= if 8 {
- local options
- }
- local GTOPTS parse(":") bind quotes
- local k 0
- if !`NODIPARM' {
= if !8 {
    if ``e(diparm)''' != "" {
        local i 0
        local diparm ``e(diparm)'''
    }
    else if ``e(diparm1)''' != "" {
        local i 1
        local diparm ``e(diparm1)'''
    }
    while `:length local diparm' {
        gettoken diparm rest : diparm, `GTOPTS'
        while `:length local rest' {
            local ++k

```

```

local diparm`k' : copy local diparm
gettoken COLON rest : rest, `GTOPTS'
gettoken diparm rest : rest, `GTOPTS'
}
local ++k
local diparm`k' : copy local diparm
local ++i
local diparm ``e(diparm`i)'''
}
}
- if `:length local options' {
= if 0 {
  local 0 `", `options'''
  syntax [, diparm(string asis) *]
  if `k' & `:length local diparm' {
    local ++k
    local diparm`k' __sep__
  }
  while `:length local diparm' {
    gettoken diparm rest : diparm, `GTOPTS'
    while `:length local rest' {
      local ++k
      local diparm`k' : copy local diparm
      gettoken COLON rest : rest, `GTOPTS'
      gettoken diparm rest : rest, `GTOPTS'
    }
    local ++k
    local diparm`k' : copy local diparm
    local 0 `", `options'''
    syntax [, diparm(string asis) *]
  }
}
- if "`markdown'" != "" {
= if "" != "" {
  local lsize = c(linesize)
  set linesize 255
}
- `vv' mata: _coef_table()
= version 11, missing: mata: _coef_table()

```

> _____ begin _get_dio

> pts _____

```

- version 11
- syntax namelist(max=2) [, *]
- gettoken name1 namelist : namelist
- gettoken name2 namelist : namelist

```

```

- GetDiopts diopts options, `options'
= GetDiopts diopts options, fwrap(1)

```

```

> _____ begin _get_diopts.GetDio
> pts _____
      - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
      - syntax namelist(max=2) [, `DIOPTS' *]
      = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
      - opts_exclusive "`allbaselevels' `noallbaselevels'"
      = opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
      }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit

```

```

> _____ end opts_exclus
> ive _____
      - opts_exclusive "`allbaselevels' `nobaselevels'"
      = opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
      - version 8.2
      - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel` `nofvlabel`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted` `noomitted`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist

```

```

- opts_exclusive "`coding' `compare'"
= opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit


---


> 

---

 end opts_exclus
> ive 

---


- opts_exclusive "`versus' `compare'"
= opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while `"'`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit


---


> 

---

 end opts_exclus
> ive 

---


- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "


---


> 

---

 begin opts_exclus

```



```

> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
    = if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells
    }
    - }

```

```

- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')"'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')"'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `pformat(`pformat')"'
  }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
  }

```

```

- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraapon , `fvwraapon'
= Wraapon ,

> _____ begin _get_diopts.Wra
> pon _____
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwraapon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit

> _____ end opts_exclus
> ive _____
    - local fvwraapon `word' `width'
= local fvwraapon
    - if `:length local fvwraapon' {
= if 0 {
        c_local fvwraapon fvwraapon(`fvwraapon')
    }

> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {

```

```

= if "fvwrap(1)" != "" {
- FVWrap, `fvwrap'
= FVWrap, fvwrap(1)
}

> _____ begin _get_diopts.FVW
> rap _____
- syntax, fvwrap(integer)
- if `fvwrap' < 0 {
= if 1 < 0 {
di as err "{p}invalid option {bf:fvwrap(`fvwrap')}"; " "nonne
> gative integer required{p_end}"
exit 198
}

> _____ end _get_diopts.FVW
> rap _____
- }
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwraon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
= c_local diopts fvwrap(1)
- if `K' == 2 {
= if 2 == 2 {
- c_local `c_opts' ``options''
= c_local options ``''
- }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

> _____ end _get_diopts.GetDio
> pts _____
- c_local `name1' ``diopts''
= c_local __00000B ``fvwrap(1)''
- local snames : s(macros)
- foreach sname of local snames {
- local S_`sname' = s(`sname')
= local S_level = s(level)
- }
- local S_`sname' = s(`sname')

```

```

        = local S_k = s(k)
        - }
        - sreturn clear
        - GetDiopts DEFAULT
    }
}

> ----- begin _get_diopts.GetDio
> pts -----
        - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABel FVLABel NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
        - syntax namelist(max=2) [, `DIOPTS' *]
        = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABel FVLABel NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
        - opts_exclusive "`allbaselevels' `noallbaselevels'"
        = opts_exclusive " "
    }
}

> ----- begin opts_exclus
> ive -----
        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
        = local opts
        - local n 0
        - while `"'opts'"' != "" {
        = while `"' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}

> ----- end opts_exclus
> ive -----
        - opts_exclusive "`allbaselevels' `nobaselevels'"
        = opts_exclusive " "
    }
}

> ----- begin opts_exclus
> ive -----

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```



```

- exit
- end opts_exclus
>
> ive
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive

```

```

- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive ``coding' `compare'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'`` != "" {
= while `""' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``versus' `compare'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'`` != "" {
= while `""' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``abbrev' `noabbrev'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels' == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells' == "" {
    = if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells

```

```

    }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')"'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')"'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `pformat(`pformat')"'
  }
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {

```

```

        syntax namelist(max=2) [, `DIOPTS']
    }
    - if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
        local levelopt level(`level')
    }
    - Wraupon , `fvwraupon'
= Wraupon ,

> _____ begin _get_diopts.Wra
> pon _____
        - capture syntax [, W0rd WIdth]
        - if c(rc) {
            di as err "invalid fvwraupon() option;"
            syntax [, W0rd WIdth]
            exit 198
        }
        - opts_exclusive "`word' `width'" fvwraupon
= opts_exclusive " " fvwraupon

> _____ begin opts_exclus
> ive _____
        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
= local opts
        - local n 0
        - while ``opts'" != "" {
= while `"' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
= if 0 < 2 {
            - exit

> _____ end opts_exclus
> ive _____
        - local fvwraupon `word' `width'
= local fvwraupon
        - if `:length local fvwraupon' {
= if 0 {
            c_local fvwraupon fvwraupon(`fvwraupon')
        }

> _____ end _get_diopts.Wra

```

```

> pon
    - if "`fvwrap'" != "" {
    = if "" != "" {
      FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselev
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
      c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95

> _____ end _get_diopts.GetDio
> pts
    - if ``name2'' == "" {
    = if ``' == "" {
    - GetDiopts DUPS, `options'
    = GetDiopts DUPS,

> _____ begin _get_diopts.GetDio
> pts
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElev
> els NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcell
> s NOOMITtd OMITtd NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string)
> sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRA
> PON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABB
> REV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEleve
> ls ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYce
> lls EMPTYcells NOOMITtd OMITtd NOLSTRETCH LSTRETCH COEFLegend SELEGEND cfo
> rmat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(pa
> ssthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(pa
> ssthru) NOABBREV ABBREV *]
    - opts_exclusive ``allbaselevels' `noallbaselevels''

```

```

= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```



```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
  local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```

```

        - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while `""opts'" != "" {
    = while `"" != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while `""opts'" != "" {
    = while `"" != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels

```

```

- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
    }
    di "{txt}note: invalid cformat(), using default"
  }
}

```

```

    sreturn local cformat ``cformat'''
    local cformat `cformat(`cformat')''
  }
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth(`sformat') > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat ``sformat'''
  local sformat `sformat(`sformat')''
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth(`pformat') > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat ``pformat'''
  local pformat `pformat(`pformat')''
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
  di as err "invalid fvwraon() option;"
  syntax [, W0rd WIdth]
  exit 198
}
- opts_exclusive ``word' `width'" fvwraon
= opts_exclusive " " fvwraon

```

> _____ begin opts_exclus

```

> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> _____ end opts_exclus
> ive
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }

> _____ end _get_diopts.Wra
> pon
    - if ``fvwrap'`` != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `basel
> evels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coefle
> gend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `
> fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DUPS
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ```options'``
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'

```

```

= sreturn local level 95


---


> 

---

 end _get_diopts.GetDio
> pts 

---


- }
- else {
  GetDiopts DUPS options, `options'
  c_local `name2' ``options'
  }
- local DUPS : list DUPS - DEFAULT
- gettoken DUPS : DUPS
- if ``DUPS' != "" {
= if ``' != "" {
  if (strpos(`DUPS', "(")) {
    gettoken DUPS : DUPS, parse("(")
    local DUPS `DUPS'()'
  }
  di as err "duplicate {bf:`DUPS'} option not allowed"
  exit 198
}
- sreturn clear
- foreach sname of local snames {
- sreturn local `sname' = ``S_`sname'
= sreturn local level = `95'
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local k = `0'
- }


---


> 

---

 end _get_dio
> pts 

---


- if ``markdown' != "" {
= if ``' != "" {
  set linesize `lsize'
  }
- if ``eqselect' == "" & ``eformnote' != "noeformnote" {
= if ``' == "" & ``' != "noeformnote" {
- if ``eformdi' != "" & ("`e(cmd)' != "gnbreg" | "`e(prefix)' == "svy
> ") {
= if ``' != "" & ("regress" != "gnbreg" | "" == "svy") {
  local k_eform `r(k_eform)'
  if ("`k_eform' == "") {
    local k_eform = 1
  }
  local k_eq `e(k_eq)'
  if ("`k_eq' == "") {

```



```

        local k_eq = 1
    }
    if (`k_eform' < `k_eq' & `k_eform') {
        if ("`e(cmd2)'" == "stintreg" | "`e(cmd2)'" == "streg") & ("`e(cmd
> )'" == "weibull" | "`e(cmd)'" == "gompertz") {
        }
        else {
            _eform_multeq_note efnote : `k_eform' ``tr_item'''
            di as txt "`efnote'"
        }
    }
    - if (```eformdi'``' != "" & "`e(noconstant)'" == "0" & ```eform_cons_ti'
> "' != "" & "`e(consonly)'" != "1") {
        = if (````' != "" & "" == "0" & ````' != "" & "" != "1") {
            if ("`e(cmd)'" == "asclogit" | "`e(cmd)'" == "cmclogit" | "`e(cmd)'" ==
> "cmmixlogit" | "`e(cmd)'" == "cmxtmixlogit" ) {
                local asvar = ```e(ranvars)``e(fixvars)``e(indvars)``' != ""
                if ```e(casevars)``' != "" & `asvar' {
                    local note1 "Exponentiated coefficients represent odds ratios for
> "
                    local note2 "alternative-specific variables (first equation) and "
                    local note3 "{help j_cmrisk##|_new:relative-risk ratios} "
                    local note4 "for case-specific variables."
                    di as txt "{p 0 6 2}Note: `note1'`note2'`note3'`note4' {p_end}"
                }
            }
            if "`eform_cons_ti'" == "Inc. rate" {
                local eform_cons_note "incidence rate"
            }
            else if "`eform_cons_ti'" == "Rel. risk" {
                local eform_cons_note "relative risk"
            }
            else if "`eform_cons_ti'" == "Health" {
                local eform_cons_note "health (probability of no disease)"
            }
            else {
                local eform_cons_note = strlower("`eform_cons_ti'")
            }
            local eform_cons_note "baseline `eform_cons_note'"
            if ("`e(cmd2)'" == "") {
                local cmd `e(cmd)'
            }
            else {
                local cmd `e(cmd2)'
            }
        }
    }

```

```

        local f2 = udsustr("`cmd'",1,2)
        local is_re = ("`f2'"=="xt" | "`f2'"=="me")
        if `is_re' {
            local extranote " (conditional on zero random effects)"
        }
        di as txt "{p 0 6 2}Note: {bf:_cons} estimates " "`eform_cons_note
> ``extranote'" _c
            if ("`e(cmd)'"=="mlogit" | "`e(cmd)'"=="asclogit" | "`e(cmd)'"=="c
> mclogit" | "`e(cmd)'"=="cmmixlogit" | "`e(cmd)'"=="cmxtmixlogit" ) {
                di as txt " for each outcome" _c
            }
            di as txt ".{p_end}"
        }
    - }
    - return add
    - if !`keepmc' {
    = if !0 {
        - return local mcmethod
        - return local mctitle
    - }

_____  

> _____ end _coef_ta
> ble _____  

_____  

> _____ end _ereturn_disp
> lay _____
    - mat `b2' = e(b)
    = mat __000007 = e(b)
    - drop `xb'
    = drop __000004
    - _predict double `xb' `if'
    = _predict double __000004 if __000000
    - LikePois `y' `xb'`poff' [`weight'`exp'] `if', n(`nobs')
    = LikePois piq_timing_max __000004 [] if __000000, n(__000002)

_____  

> _____ begin poisson.LikeP
> ois _____
    - gettoken y 0 : 0
    - gettoken xb 0 : 0
    - syntax [fw aw pw iw] [if] , Nobs(string)
    - if "`weight'"!="" {
    = if ""!="" {
        if "`weight'"=="fweight" {
            local wt `[fw`exp']"
        }
        else if "`weight'"=="iweight" {

```

```

        local wt `[iw`exp']"'
    }
    else local wt `[aw`exp']"'
    }
    - tempvar lnf
    - qui gen double `lnf' = `y'*(`xb')-exp(`xb')-lngamma(`y'+1) `if'
    = qui gen double __00000B = piq_timing_max*(__000004)-exp(__000004)-ln
> gamma(piq_timing_max+1) if __000000
    - summarize `lnf' `wt' `if', meanonly
    = summarize __00000B if __000000, meanonly
    - if r(N) != `nobs' { exit }
    = if r(N) != __000002 { exit }
    - if "`weight'"=="aweight" {
    = if ""=="aweight" {
        ret scalar lnf = r(N)*r(mean)
    }
    - else ret scalar lnf = r(sum)

> _____ end poisson.LikeP
> ois _____
    - tempname lnf2
    - scalar `lnf2' = r(lnf)
    = scalar __00000B = r(lnf)
    - }
    - if _rc { local lnf2 . }
    - if `lnf1'>=. & `lnf1c'>=. & `lnf2'>=. { exit }
    = if __000008>=. & __00000A>=. & __00000B>=. { exit }
    - if `lnf2'<.&(`lnf2'>`lnf1'|`lnf1'>=.)&(`lnf2'>`lnf1c'|`lnf1c'>=.) {
    = if __00000B<.&(__00000B>__000008|__000008>=.)&(__00000B>__00000A|__000
> 00A>=.) {
        - ret matrix b0 `b2'
        = ret matrix b0 __000007
        - exit

> _____ end poisson.Ip
> ois _____
    - if "`r(b0)'"!="" {
    = if "matrix"!=" {
        - tempname from
        - mat `from' = r(b0)
        = mat __000004 = r(b0)
        - }
        - }
        - if "`from'"!="" {
        = if "__000004"!=" {
        - local initopt `init(`from') search(off)'"

```

```

= local initopt `__init__(__000004) search(off)''
- }
- else local initopt "search(on) maxfeas(50)"
- `vv' ml model `mm' `eval' (`yname': `y' = `xvars', `constan' `offopt') [
> `weight'`exp'] if `touse', collinear missing max nooutput nopreserve `mlopts
> ' title(Poisson regression) `scopt' `robust' `clopt' `initopt' `ll0' `negh'
> `moptobj'
= version 18.5, missing: ml model e2 poiss_lf (piq_timing_max: piq_timing_
> max = rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors
> _ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_la
> te 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors
> _ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_ear
> ly 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early
> est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o
> .vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0
> b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vi
> nt_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.v
> int_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_autho
> rs_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_e
> arly 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_auth
> ors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_l
> ate, ) [] if __000000, collinear missing max nooutput nopreserve nolog
> vce(robust) title(Poisson regression) init(__000004) search(off) lf0
> (1 -400.0562426994474) negh

> _____ begin
> ml _____
- if _caller()>=11 {
- mopt `0'
= mopt model e2 poiss_lf (piq_timing_max: piq_timing_max = rule_g rule_i
> tr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o
> .cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ex
> t#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o
> .cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.es
> t_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_ear
> ly 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_e
> arly 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_
> late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors
> _ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late
> 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early
> 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_
> ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late
> 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late, ) [] if __000
> 000, collinear missing max nooutput nopreserve nolog vce(robust) ti
> tle(Poisson regression) init(__000004) search(off) lf0(1 -400.05624269944
> 74) negh

```

```

> ----- begin m
> opt -----
- local vv : di "version " string(_caller()) ":"
- version 12
- gettoken subcmd 0 : 0, parse(" ,")
- local lcmnd : length local subcmd
- if "`subcmd'" == "clear" {
= if "model" == "clear" {
  Clear
  exit
}
- if ``"subcmd"' == "hold" {
= if ``"model"' == "hold" {
  ml_hold `0'
  exit
}
- if ``"subcmd"' == "unhold" {
= if ``"model"' == "unhold" {
  ml_unhold `0'
  exit
}
- if "`subcmd'" == "score" {
= if "model" == "score" {
  if _caller() > 12 {
    `vv' Score `0'
  }
  else {
    Score `0'
  }
  exit
}
- if "`subcmd'" == "count" {
= if "model" == "count" {
  Count `0'
  exit
}
- if "`subcmd'" == "trace" {
= if "model" == "trace" {
  Trace `0'
  exit
}
- if "`subcmd'" == bsubstr("graph",1,max(2,`lcmnd')) {
= if "model" == bsubstr("graph",1,max(2,5)) {
  Graph `0'
  exit
}

```

```

    }
- if "`subcmd'" == "init" {
= if "model" == "init" {
    Interactive 0
    `vv' Init `0'
    exit
  }
- if "`subcmd'" == bsubstr("maximize",1,max(3,`lcmd')) {
= if "model" == bsubstr("maximize",1,max(3,5)) {
    Interactive 1
    `vv' MaxMin maximize `0'
    exit
  }
- if "`subcmd'" == bsubstr("minimize",1,max(3,`lcmd')) {
= if "model" == bsubstr("minimize",1,max(3,5)) {
    Interactive 1
    `vv' MaxMin minimize `0'
    exit
  }
- if "`subcmd'" == bsubstr("display",1,max(2,`lcmd')) {
= if "model" == bsubstr("display",1,max(2,5)) {
    Display `0'
    exit
  }
- if "`subcmd'" == bsubstr("footnote",1,max(4,`lcmd')) {
= if "model" == bsubstr("footnote",1,max(4,5)) {
    ml_footnote `0'
    exit
  }
- if "`subcmd'" == ", " {
= if "model" == ", " {
    Display, `0'
    exit
  }
- if "`subcmd'" == bsubstr("model",1,max(3,`lcmd')) {
= if "model" == bsubstr("model",1,max(3,5)) {
- `vv' capture noi Model `0'
= version 18.5: capture noi Model e2 poiss_lf (piq_timing_max: piq_ti
> ming_max = rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_au
> thors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vi
> nt_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_au
> thors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.es
> t_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_
> early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_ear
> ly 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_l
> ate 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_la

```

```

> te vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late
> 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_
> authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.
> est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb
> _authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.
> est_late, ) [] if __000000, collinear missing max nooutput nopreserve nolog
> vce(robust) title(Poisson regression) init(__000004) search(off
> ) lf0(1 -400.0562426994474) negh

```

```

> _____ begin mopt.Mo
> del _____
    - local version = string(_caller())
    - local vv : di "version `version':"
    = local vv : di "version 18.5:"
    - version 12
    - syntax anything(id="model" name=spec) [if] [in] [fw aw pw iw] [, B
> RACKET COLLinear MISSing CONTinue lf0(string) INIT(string) CONSTraints(strin
> g) noCNSNOTEs VCE(passthru) NEGh NOPREserve TECHnique(string) ITERID(string)
> CRITtype(string) OBS(numlist max=1 >0) TITle(string) WALDtest(integer -1) S
> VY SUBpop(string) SRSSubpop noSVYadjust SCORE(passthru) noOUTput noSCVARS GR
> OUP(varname) ITERPROLOG(string) DERIVPROLOG(string) DERIVH(string) DERIVSCAL
> E(string) DERIV(string) nrderiv GNWMATrix(string) KAUXiliary(numlist int >=0
> ) MAXimize MINimize USERinfo(namelist) PUPDATED Robust CLuster(passthru) mop
> tobj(string) USEVIEWS * ]
    - if ```moptobj`'' == "" {
    = if `""` == "" {
    - Clear

```

```

> _____ begin mopt.Cl
> ear _____
    - syntax [, NOTANOPTION]
    - capture drop $ML_w
    = capture drop
    - capture drop $ML_samp
    = capture drop
    - capture drop $ML_sample
    = capture drop
    - capture drop $ML_subv
    = capture drop
    - capture drop $ML_grp
    = capture drop
    - mata: Mopt_drop_external()
    - macro drop ML_*

```

```

> _____ end mopt.Cl
> ear _____

```

```

- }
- local maxmin `minimize' `maximize'
= local maxmin maximize
- opts_exclusive "`maxmin'"
= opts_exclusive "maximize"

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts maximize
    - local n 0
    - while ```opts'"" != "" {
    = while `"maximize" != "" {
    - local ++n
    - gettoken item`n' opts : opts, bind
    = gettoken item1 opts : opts, bind
    - }
    - while ```opts'"" != "" {
    = while `"" != "" {
      local ++n
      gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 1 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - if `:length local maxmin' {
    = if 8 {
    - local interactive 0
    - }
    - else local interactive 1
    - _get_diparmopts, diparmopts(`options') soptions syntaxonly
    = _get_diparmopts, diparmopts(nolog search(off)) soptions syntaxonly

```

```

> ----- begin _get_diparmo
> pts -----
    - if _caller() < 8.2 {
      _get_diparmopts_8 `0'
      exit
    }
    - version 9
    - local version : di "version " string(_caller()) ":"

```



```

- syntax [, diparmopts(string asis) EXECute soptions bottom plus S
> YNTAXonly * ]
- local goptions `options'
= local goptions
- SpliceGlobals junk , `goptions'
= SpliceGlobals junk ,

> _____ begin _get_diparmopts.SpliceGlob
> als _____
- syntax name(id="macro name" name=c_diparm) [, diparm(string as
> is) Level(cilevel) dof(passthru) syntaxonly ]
- if ``dof''' == "" & ``e(df_r)''' != "" {
= if `''' == "" & ``132''' != "" {
- capture confirm integer number `e(df_r)''
= capture confirm integer number 132
- if !c(rc) {
- local gdof dof(`e(df_r)')
= local gdof dof(132)
- }
- capture
- }
- else local gdof ``dof'''
= else local gdof `'''
- local glevel `level'
= local glevel 95
- local lopt level(`glevel')
= local lopt level(95)
- if (``diparm''' == "") exit
= if (``''' == "") exit

> _____ end _get_diparmopts.SpliceGlob
> als _____
- local 0 `", `diparmopts'''
= local 0 `", nolog search(off)'''
- local diparmopts
- local k 0
- syntax [, diparm(string asis) * ]
- while ``diparm''' != "" {
= while `''' != "" {
local ++k
local single 1
local after
capture _on_colon_parse `diparm'
if !c(rc) {
local single 0
local diparm ``s(before)'''

```

```

    local after ``s(after)''
  }
  capture
  SpliceGlobals diparm , diparm(`diparm') `syntaxonly' `goptions'
  local diparm`k' ``diparm''
  local diparmopts ``diparmopts' : `diparm''
  if `single' | ``:list retok after'' == "" {
    local 0 `` , `options''
    syntax [, diparm(string asis) * ]
  }
  else {
    local diparm ``after''
  }
}
- if ``soptions'' == "" {
= if ``soptions'' == "" {
  syntax [, diparm(string asis) ]
}
- if (``execute'' == "") {
= if ("" == "") {
- sreturn clear
- sreturn local options ``options''
= sreturn local options ``nolog search(off)''
- sreturn local diparm ``diparmopts''
= sreturn local diparm ``''
- forval i = 1/`k' {
= forval i = 1/0 {
  sreturn local diparm`i' ``diparm`i''
}
- sreturn local k `k'
= sreturn local k 0
- exit

```

> _____ end _get_diparmo

> pts

```

- forval k = 1/`s(k)' {
= forval k = 1/0 {
  local diparm`k' ``s(diparm`k)''
}
- local ndiparm `s(k)'
= local ndiparm 0
- local options ``s(options)''
= local options ``nolog search(off)''
- if `interactive' & `:length local options' {
= if 0 & 17 {
  local 0 , `options'

```

```

syntax [, NOTANOPTION]
}
- if `:length local nopreserve' | `:length local score' {
= if 10 | 0 {
- global ML_preserve no
- }
- else global ML_preserve yes
- gettoken evaltype spec : spec
- confirm name `evaltype'
= confirm name e2
- gettoken evaluator spec : spec
- global ML_evaltype : copy local evaltype
- if `:length local srssubpop' {
= if 0 {
local 0 , srssubpop
syntax [, NONOPTION]
exit 198
}
- if `:length local subpop' {
= if 0 {
local svy svy
}
- if `:length local svy' {
= if 0 {
opts_exclusive "`vce' `svy'" vce
if `:length local weight' {
di as err "svy option not allowed with weights"
exit 198
}
global ML_noadj : copy local svyadjust
}
- global ML_svy : copy local svy
- if _caller() >= 15 & c(userversion) >= 15 {
- local fparm ", freeparm"
- }
- local eqspec : copy local spec
- local ieq 0
- while `:length local eqspec' {
= while 1027 {
- local ++ieq
- gettoken eq eqspec : eqspec, bind
- if bsubstr(trim("`eq'"),1,1) == "/" {
= if bsubstr(trim("(piq_timing_max: piq_timing_max = rule_g rule_itr
> estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.c
> b_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#
> 0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.c

```

```

> b_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_
> early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early
> 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_ear
> ly 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_la
> te 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_e
> xt 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1
> o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0
> b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ex
> t#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1
> o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late, )"),1,1) == "/"
> {
    local eq = bsubstr(trim("`eq'"),2,.)
    local spec : subinstr local spec "/"`eq'" "("("`eq'":`fparm')"'', wor
> d
    }
    - else {
    - gettoken p1 p2 : eq, parse("(")")
    - local p2 = trim("`p2'")
    = local p2 = trim("`piq_timing_max: piq_timing_max = rule_g rule_itr
> estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.c
> b_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#
> 0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.c
> b_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_
> early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early
> 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_ear
> ly 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_la
> te 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_e
> xt 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1
> o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0
> b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ex
> t#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1
> o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late, )"')
    - if bsubstr("`p2'",1,1) == ", " {
    = if bsubstr("piq_timing_max: piq_timing_max = rule_g rule_itr estim
> ated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_auth
> ors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vin
> t_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_auth
> ors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early
> 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vi
> nt_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.
> vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.
> vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.
> vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint
> _mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_a
> uthors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.e
> st_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_a

```

```

> uthors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late, )",1,1) == "," {
    gettoken comma p2 : p2, parse(",")
    local p2 = trim("`"p2"'')
  }
  - if `"p1"p2"' == "()" {
    = if `(piq_timing_max: piq_timing_max = rule_g rule_itr estimated 0
> b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext
> t#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid
> 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext
> t#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vin
> t_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_lat
> e#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_l
> ate#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_l
> ate#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_m
> id#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1
> o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors
> _ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_ear
> ly 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors
> _ext#0b.est_late 1o.cb_authors_ext#1o.est_late, )" == "()" {
    local spec : subinstr local spec "`eq'" "(eq`ieq':)", word
  }
  - }
  - }
  - while `:length local eqspec' {
    = while 3 {
      - local ++ieq
      - gettoken eq eqspec : eqspec, bind
      - if bsubstr(trim("`eq'"),1,1) == "/" {
      = if bsubstr(trim("[]"),1,1) == "/" {
        local eq = bsubstr(trim("`eq'"),2,.)
        local spec : subinstr local spec "/"`eq'" `("eq':`fparm')"'', wor
> d
    }
  - else {
  - gettoken p1 p2 : eq, parse("()")
  - local p2 = trim("`p2'")
  = local p2 = trim('')
  - if bsubstr("`p2'",1,1) == "," {
  = if bsubstr("",1,1) == "," {
    gettoken comma p2 : p2, parse(",")
    local p2 = trim("`p2'")
  }
  - if `"p1"p2"' == "()" {
  = if `[]" == "()" {
    local spec : subinstr local spec "`eq'" "(eq`ieq':)", word
  }

```

```

- }
- }
- while `:length local eqspec' {
= while 0 {
  local ++ieq
  gettoken eq eqspec : eqspec, bind
  if bsubstr(trim("`eq'"),1,1) == "/" {
    local eq = bsubstr(trim("`eq'"),2,.)
    local spec : subinstr local spec "/"`eq' "(`eq':`fparm')", wor
> d
  }
  else {
    gettoken p1 p2 : eq, parse("(")
    local p2 = trim("`p2'")
    if bsubstr("`p2'",1,1) == "," {
      gettoken comma p2 : p2, parse(",")
      local p2 = trim("`p2'")
    }
    if "`p1'`p2'" == "(" {
      local spec : subinstr local spec "`eq' "(eq`ieq:)", word
    }
  }
}
- if `interactive' {
= if 0 {
  SetGlobalVar ML_sample : _MLtua
}
- else {
- global ML_sample : tempvar
- if "`moptobj'" != "" {
= if `""' != "" {
  global ML_sample `moptobj'$ML_sample
}
- }
- if "`moptobj'" != "" {
= if `""' != "" {
  cap drop $ML_sample
}
- `vv' mark $ML_sample `if' `in' [`weight'`exp'], `zeroweight'
= version 18.5: mark __000005 if __000000 [],
- tempname eqlist
- `eqlist' = _eqlist.new, eqopts(NOCONSTANT FREEParam) eqargopts(OF
> Fset EXPosure) noneedvarlist numdepvars(0) needequal
= __000006 = _eqlist.new, eqopts(NOCONSTANT FREEParam) eqargopts(OF
> Fset EXPosure) noneedvarlist numdepvars(0) needequal
-class {

```

```

-instance:
-      array          n_depvars
-      string         neeedequal
-      string         noneedvarlist
-      string         wtypes
-      string         collinear
-      string         nocons
-      string         nocons_ignore
-      double         n_eq
-      string         gl_if
-      string         gl_in
-      string         gl_wgt
-      string         gl_options
-      _optlist       eq_opts_allowed
-class {
-instance:
-      array options   = {}
-      array names     = {}
-}
-      array          eq_list
-      _optlist       mark_opts
-      array          mark_list
-      array          mark_name
-      _optlist       smark_opts
-      array          smark_list
-      array          smark_name
-      _optlist       rmcoll_opts
-      array          rmcoll_list
-      array          rmcoll_name
-      _optlist       rmdcoll_opts
-      array          rmdcoll_list
-      array          rmdcoll_name
-}

```

```
> _____ begin _eqlist.
```

```
> new _____
```

```

- version 9.2
- ._init

```

```
> _____ begin _eqlist._i
```

```
> nit _____
```

```

- version 9.2
- .n_eq = 0
- .gl_if = ""
- .gl_in = ""
- .gl_wgt = ""

```

```

        - .gl_options = ""
        - .eq_list = {}
    _____
> _____ end _eqlist._i
> nit _____
    - ._setup `0'
    = ._setup , eqopts(NOCONSTant FREEParam) eqargopts(OFFset EXPosure)
> noneedvarlist numdepvars(0) needequal
    _____
> _____ begin _eqlist._se
> tup _____
    - version 9.2
    - .mark_list = {}
    - .mark_name = {}
    - .mark_opts.reset
    _____
> _____ begin _optlist.re
> set _____
    - version 9
    - .options = {}
    - .names = {}
    _____
> _____ end _optlist.re
> set _____
    - .smark_list = {}
    - .smark_name = {}
    - .smark_opts.reset
    _____
> _____ begin _optlist.re
> set _____
    - version 9
    - .options = {}
    - .names = {}
    _____
> _____ end _optlist.re
> set _____
    - .rmcoll_list = {}
    - .rmcoll_name = {}
    - .rmcoll_opts.reset
    _____
> _____ begin _optlist.re
> set _____
    - version 9
    - .options = {}
    - .names = {}
    _____

```



```

> _____ end _optlist.re
> set _____
    - .rmdcoll_list = {}
    - .rmdcoll_name = {}
    - .rmdcoll_opts.reset
    _____

> _____ begin _optlist.re
> set _____
    - version 9
    - .options = {}
    - .names = {}
    _____

> _____ end _optlist.re
> set _____
    - syntax [, EQopts(namelist) EQARGopts(namelist) noNEEDVARLIST C
> OMMONopts(string asis) MARKopts(namelist) SMARKopts(namelist) RMCOLLOpts(nam
> elist) RMDCOLLOpts(namelist) NUMDEPvars(numlist integer >=0) NEEDEQUAL WTYPE
> S(string) IGNORENOCONS ]
    - .eq_opts_allowed.reset
    _____

> _____ begin _optlist.re
> set _____
    - version 9
    - .options = {}
    - .names = {}
    _____

> _____ end _optlist.re
> set _____
    - foreach opt of local eqopts {
    - .eq_opts_allowed.addopt `opt'
    = .eq_opts_allowed.addopt NOCONSTant
    _____

> _____ begin _optlist.add
> opt _____
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("NOCONSTant")
    - if "`passthru'" != "" {
    = if "" != "" {
        local optspec `optspec'(passthru)
    }
    - .options.Arrpush "`optspec'"
    = .options.Arrpush "NOCONSTant"
    - .names.Arrpush "`mname'"
    = .names.Arrpush "noconstant"

```

```

> _____ end _optlist.add
> opt _____
    - }
    - .eq_opts_allowed.addopt `opt'
    = .eq_opts_allowed.addopt FREEParam
    _____

> _____ begin _optlist.add
> opt _____
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("FREEParam")
    - if "`passthru'" != "" {
    = if "" != "" {
        local optspec `optspec'(passthru)
    }
    - .options.Arrpush "`optspec'"
    = .options.Arrpush "FREEParam"
    - .names.Arrpush "`mname'"
    = .names.Arrpush "freeparm"
    _____

> _____ end _optlist.add
> opt _____
    - }
    - foreach opt of local eqargopts {
    - .eq_opts_allowed.addopt `opt', passthru
    = .eq_opts_allowed.addopt OFFset, passthru
    _____

> _____ begin _optlist.add
> opt _____
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("OFFset")
    - if "`passthru'" != "" {
    = if "passthru" != "" {
        local optspec `optspec'(passthru)
    = local optspec OFFset(passthru)
    }
    - .options.Arrpush "`optspec'"
    = .options.Arrpush "OFFset(passthru)"
    - .names.Arrpush "`mname'"
    = .names.Arrpush "offset"
    _____

> _____ end _optlist.add

```

```

> opt -----
    - }
    - .eq_opts_allowed.addopt `opt', passthru
    = .eq_opts_allowed.addopt EXPosure, passthru
-----

> ----- begin _optlist.add
> opt -----
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("EXPosure")
    - if "`passthru'" != "" {
    = if "passthru" != "" {
    - local optspec `optspec'(passthru)
    = local optspec EXPosure(passthru)
    - }
    - .options.Arrpush "`optspec'"
    = .options.Arrpush "EXPosure(passthru)"
    - .names.Arrpush "`mname'"
    = .names.Arrpush "exposure"
-----

> ----- end _optlist.add
> opt -----
    - }
    - local i 0
    - foreach opt of local markopts {
      .mark_opts.addopt `opt', passthru
    }
    - local i 0
    - foreach opt of local smarkopts {
      .smark_opts.addopt `opt', passthru
    }
    - local i 0
    - foreach opt of local rmcollopts {
      .rmcoll_opts.addopt `opt', passthru
    }
    - local i 0
    - foreach opt of local rmdcollopts {
      .rmdcoll_opts.addopt `opt', passthru
    }
    - .n_depvars.Arrdropall
    - if "`numdepvars'" != "" {
    = if "0" != "" {
    - foreach ndep of local numdepvars {
      - .n_depvars.Arrpush `ndep'
    = .n_depvars.Arrpush 0

```

```

- }
- }
- else .n_depvars.Arrpush 1
- .needequal = "`needequal'"
= .needequal = "needequal"
- .wtypes = "`wtypes'"
= .wtypes = ""
- .noneedvarlist = "`needvarlist'"
= .noneedvarlist = "noneedvarlist"
- .nocons_ignore = "`ignorenocons'"
= .nocons_ignore = ""

> _____ end _eqlist._se
> tup _____
> _____ end _eqlist.
> new _____
- .`eqlist'.parse `spec'
= .__000006.parse (piq_timing_max: piq_timing_max = rule_g rule_itr
> estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.c
> b_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#
> 0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.c
> b_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_
> early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early
> 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_ear
> ly 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_la
> te 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_e
> xt 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1
> o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0
> b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ex
> t#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1
> o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late, ) []

> _____ begin _eqlist.pa
> rse _____
- version 9.2
- .__init

> _____ begin _eqlist._i
> nit _____
- version 9.2
- .n_eq = 0
- .gl_if = ""
- .gl_in = ""
- .gl_wgt = ""
- .gl_options = ""

```

```

        - .eq_list = {}
    _____
> _____ end _eqlist._i
> nit _____
    - local MARKOPTLIST ```.mark_opts.dumpoptions'''
    _____
> _____ begin _optlist.dumpopti
> ons _____
    - version 9
    - forval i = 1/`.options.arnels' {
    = forval i = 1/0 {
        local optlist `optlist' `.options['i']'
        }
    - local optlist : list uniq optlist
    - sreturn local optlist ```optlist'''
    = sreturn local optlist `'''
    - class exit ```optlist'''
    = class exit `'''
    _____
> _____ end _optlist.dumpopti
> ons _____
    = local MARKOPTLIST `'''
    - local SMARKOPTLIST ```.smark_opts.dumpoptions'''
    _____
> _____ begin _optlist.dumpopti
> ons _____
    - version 9
    - forval i = 1/`.options.arnels' {
    = forval i = 1/0 {
        local optlist `optlist' `.options['i']'
        }
    - local optlist : list uniq optlist
    - sreturn local optlist ```optlist'''
    = sreturn local optlist `'''
    - class exit ```optlist'''
    = class exit `'''
    _____
> _____ end _optlist.dumpopti
> ons _____
    = local SMARKOPTLIST `'''
    - local RMCOLLOPTLIST ```.rmcoll_opts.dumpoptions'''
    _____
> _____ begin _optlist.dumpopti
> ons _____
    - version 9
    - forval i = 1/`.options.arnels' {

```

```

= forval i = 1/0 {
  local optlist `optlist' `.options['i']'
}
- local optlist : list uniq optlist
- sreturn local optlist ```optlist'''
= sreturn local optlist `'''
- class exit ```optlist'''
= class exit `'''

> _____ end _optlist.dumpopti
> ons _____
= local RMCOLLOPTLIST `'''
- local RMDCOLLOPTLIST ```.rmdcoll_opts.dumpoptions'''

> _____ begin _optlist.dumpopti
> ons _____
- version 9
- forval i = 1/`.options.arnels' {
= forval i = 1/0 {
  local optlist `optlist' `.options['i']'
}
- local optlist : list uniq optlist
- sreturn local optlist ```optlist'''
= sreturn local optlist `'''
- class exit ```optlist'''
= class exit `'''

> _____ end _optlist.dumpopti
> ons _____
= local RMDCOLLOPTLIST `'''
- _parse expand EQ GL : 0, gweight common( `MARKOPTLIST' `SMARKOPT
> LIST' `RMCOLLOPTLIST' `RMDCOLLOPTLIST' COLLlinear )
= _parse expand EQ GL : 0, gweight common( COLLlinear )
- if `EQ_n' == 0 & ``.noneedvarlist' == "" {
= if 1 == 0 & "noneedvarlist" == "" {
  syntax varlist
}
- local rebind = `EQ_n' == 1
= local rebind = 1 == 1
- if `rebind' {
= if 1 {
- tokenize ```0'''', parse(",()[]")
= tokenize ``(piq_timing_max: piq_timing_max = rule_g rule_itr est
> imated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_au
> thors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.v
> int_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_au

```

```

> thors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_earl
> y 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.
> vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1
> o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1
> o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0
> b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vi
> nt_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb
> _authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o
> .est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb
> _authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late, ) []'', parse(",())[
> ]")

- local rebind = ``1'' != "(" & ``2'' == "("
= local rebind = ``('' != "(" & ``piq_timing_max: piq_timing_max =
> rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#
> 1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b
> .cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#
> 0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b
> .vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_
> late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint
> _late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vin
> t_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_ea
> rly cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_m
> id#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ex
> t#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early
> 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_e
> xt#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late''
> == "("

- }
- if `rebind' {
= if 0 {
while `:length local 0' {
gettoken tok 0 : 0, parse(" ,") bind match(par)
if ``par'' == "(" {
gettoken nxt : 0
local nxt = substr(``nxt'',1,1)
if inlist(``nxt'', "#", "|") {
local ZERO ``ZERO' (`tok')''
}
else {
local ZERO ``(`ZERO') (`tok') `0''
local 0
}
}
else if inlist("`tok'", "if", "in", ",",) {
local ZERO ``(`ZERO') `tok' `0''
local 0

```

```

    }
    else if inlist(substr("`tok'",1,1), "#", "|") {
        local ZERO ``ZERO'`tok'``
    }
    else {
        local ZERO ``ZERO' `tok'``
    }
}

_parse expand EQ GL : ZERO, gweight common( `MARKOPTLIST' `SMARK
> OPTLIST' `RMCOLLOPTLIST' `RMDCOLLOPTLIST' COLLlinear )
}
- forval i = 1/`EQ_n' {
= forval i = 1/1 {
- if `i' <= `.n_depvars.arrnels' {
= if 1 <= 1 {
- local ndep = `.n_depvars[`i']'
= local ndep = 0
- }
- .eq_list[`i'] = .eqspec.new, numdepvars(`ndep') `.needequal' `.
> noneedvarlist' wtypes(`.wtypes') `.nocons_ignore'
= .eq_list[1] = .eqspec.new, numdepvars(0) needequal noneedvarlis
> t wtypes()
-class {
-instance:
- double n_depvars
- double needequal
- double needvarlist
- string wtypes
- string name
- string depvars
- double hasequal
- string indepvars
- string other_markvars
- double nocons
- double nocons_ignore
- string offset
- double exposure
- double freeparm
- string if
- string in
- string wgt
- string options
-}

> _____ begin _eqspec.
> new _____

```



```

- version 9.2
- syntax [, NUMDEPvars(numlist integer >=0 max=1) NEEDEQUAL noNE
> EDVARLIST WTYPES(string) IGNORENOCONS ]
- .n_depvars = 1
- if `:list sizeof numdepvars' {
= if 1 {
- .n_depvars = `numdepvars'
= .n_depvars = 0
- }
- .needequal = ("`needequal'" != "")
= .needequal = ("needequal" != "")
- .needvarlist = ("`needvarlist'" == "")
= .needvarlist = ("noneedvarlist" == "")
- .nocons_ignore = ("`ignorenocons'" != "")
= .nocons_ignore = (" " != "")
- .wtypes = "`wtypes'"
= .wtypes = ""

> _____ end _eqspec.
> new _____
- .eq_list['i'].parse ` .eq_opts_allowed.objkey':`EQ_`i'
= .eq_list[1].parse __key(60000027ee00):piq_timing_max: piq_timing
> _max = rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_author
> s_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_l
> ate 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_author
> s_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_ea
> rly 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_earl
> y est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1
> o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late
> 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late v
> int_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.
> vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_auth
> ors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_
> early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_auth
> ors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late
> late

> _____ begin _eqspec.pa
> rse _____
- version 9.2
- _on_colon_parse `0'
= _on_colon_parse __key(60000027ee00):piq_timing_max: piq_timing
> _max = rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_author
> s_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_l
> ate 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_author
> s_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_ea

```

```

> rly 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_earl
> y est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1
> o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late
> 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late v
> int_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.
> vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_auth
> ors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_
> early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_aut
> hors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_
> late

```

```

> _____ begin _on_colon_pa
> rse _____

```

```

- version 8.2
- sreturn local before ""
- sreturn local after ""
- gettoken before after : 0, parse(":") bind match(par) quotes
- if ""par"" != "" {
= if "" != "" {
    local before `"(before)"`
  }
- if `""before"" == ":" {
= if `""__key(60000027ee00)"` == ":" {
    sreturn local after `""after""`
    exit
  }
- while `""COLON"" != ":" & `""after"" != "" {
= while `"" != ":" & `":piq_timing_max: piq_timing_max = rule
> _g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vin
> t_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_a
> uthors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vi
> nt_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint
> _mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late
> o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late
> #0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_lat
> e#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early c
> b_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b
> .est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.
> est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb
> _authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o
> .est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late"" != "
> " {
- gettoken COLON after : after, parse(":") bind match(par) quo
> tes
- if ""par"" != "" {
= if "" != "" {

```

```

        local before `before' (`COLON')
        local COLON
    }
    - else if `"'COLON'" != ":" {
    = else if `":'" != ":" {
        local before `"'before' `COLON'"
        local COLON
    }
    - }
    - while `"'COLON'" != ":" & `"'after'" != "" {
    = while `":'" != ":" & `piq_timing_max: piqu_timing_max = rule_
> _g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vin
> t_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_a
> uthors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vi
> nt_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint
> _mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late
> o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late
> #0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_lat
> e#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early c
> b_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b
> .est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.
> est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb
> _authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o
> .est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late'" != "
> " {

        gettoken COLON after : after, parse(":") bind match(par) quo
> tes

        if `"'par'" != "" {
        local before `before' (`COLON')
        local COLON
    }
    else if `"'COLON'" != ":" {
        local before `"'before' `COLON'"
        local COLON
    }
    }
    - if `"'COLON'" != ":" {
    = if `":'" != ":" {
        di as err `"' found where ':' expected"
        exit 198
    }
    - sreturn local before `"'before'"
    = sreturn local before `__key(60000027ee00)'"
    - sreturn local after `"'after'"
    = sreturn local after `piq_timing_max: piqu_timing_max = rule_
> g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint

```

```

> _late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1o.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late"

> _____ end _on_colon_parens
> rse
    - local ol `s(before)'
    = local ol __key(60000027ee00)
    - if `:list sizeof ol' {
    = if 1 {
    - local OPTLIST ```.ol'.dumpoptions'''

> _____ begin _optlist.dumpoptions
> ons
    - version 9
    - forval i = 1/`.options.arnels' {
    = forval i = 1/4 {
    - local optlist `optlist' `.options['i']'
    = local optlist NOCONSTant
    - }
    - local optlist `optlist' `.options['i']'
    = local optlist NOCONSTant FREEParam
    - }
    - local optlist `optlist' `.options['i']'
    = local optlist NOCONSTant FREEParam OFFSET(passthru)
    - }
    - local optlist `optlist' `.options['i']'
    = local optlist NOCONSTant FREEParam OFFSET(passthru) EXPOSURE(passthru)
    - }
    - local optlist : list uniq optlist
    - sreturn local optlist ```optlist'''
    = sreturn local optlist ``NOCONSTant FREEParam OFFSET(passthru) EXPOSURE(passthru)'''
> EXPOSURE(passthru)'''
    - class exit ```optlist'''
    = class exit ``NOCONSTant FREEParam OFFSET(passthru) EXPOSURE(passthru)'''
> assthru)'''

```

```

> _____ end _optlist.dumpopti
> ons _____
      = local OPTLIST ``NOCONSTant FREEParm OFFset(passthru) EXPosure(
> passthru)``
      - local OPTNAMES ```.ol'.dumpnames``

> _____ begin _optlist.dumpna
> mes _____
      - version 9
      - forval i = 1/`.names.arnels' {
      = forval i = 1/4 {
      - local namelist `namelist' `.names['i']'
      = local namelist noconstant
      - }
      - local namelist `namelist' `.names['i']'
      = local namelist noconstant freeparm
      - }
      - local namelist `namelist' `.names['i']'
      = local namelist noconstant freeparm offset
      - }
      - local namelist `namelist' `.names['i']'
      = local namelist noconstant freeparm offset exposure
      - }
      - local namelist : list uniq namelist
      - sreturn local namelist ``namelist``
      = sreturn local namelist ``noconstant freeparm offset exposure

> ``
      - class exit ``namelist``
      = class exit ``noconstant freeparm offset exposure``

> _____ end _optlist.dumpna
> mes _____
      = local OPTNAMES ``noconstant freeparm offset exposure``
      - local NOCONS constant noconstant
      - if ``:list NOCONS & OPTNAMES`` == `` {
      = if ``noconstant`` == `` {
        local NOCONS noCONSTant
      }
      - else local NOCONS
      - }
      - local 0 ``s(after)``
      = local 0 ``piq_timing_max: piq_timing_max = rule_g rule_itr est
> imated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_au
> thors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.v
> int_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_au

```

```

> thors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_earl
> y 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.
> vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1
> o.vint_late#1o.est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1
> o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0
> b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vi
> nt_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb
> _authors_ext#1.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o
> .est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb
> _authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late''
    - if ```.wtypes''' != "" {
    = if `''' != "" {
      local wgt "[`.wtypes']"
    }
    - syntax [anything(equalok)] [if] [in] `wgt' [, `OPTLIST' `NOCON
> S' *]
    = syntax [anything(equalok)] [if] [in] [, NOCONSTant FREEParam 0
> FFset(passthru) EXPosure(passthru) *]
    - local HOLDIF ``if'''
    = local HOLDIF `'''
    - local HOLDIN ``in'''
    = local HOLDIN `'''
    - if ``wgt''' != "" & ``weight''' != "" {
    = if "" != "" & "" != "" {
      local HOLDWGT ``[`weight'`exp]'''
    }
    - gettoken NAME REST : anything, parse(":")
    - if trim("`NAME'") == ":" {
    = if trim("piq_timing_max") == ":" {
      di as err "nothing found where equation name expected"
      exit 198
    }
    - if `:list sizeof REST' {
    = if 45 {
    - if strpos("`NAME'", ":") {
    = if strpos("piq_timing_max", ":") {
      capture _msparse `NAME'
      if c(rc) {
        di as err "{bf:`NAME'} invalid equation specification"
        exit 198
      }
    }
    - else {
    - ._confirm_eqname `NAME'
    = ._confirm_eqname piq_timing_max

```

```

> _____ begin _eqspec._confirm_eqn
> ame _____
    - version 9.2
    - capture confirm number `0'
    = capture confirm number piq_timing_max
    - if (! c(rc)) exit
    - local hasdot = strpos(`"0"',".")
    = local hasdot = strpos(`"piq_timing_max"',".")
    - if `hasdot' {
    = if 0 {
        syntax varname(ts)
        exit
    }
    - capture syntax name(id="equation name")
    - if (! c(rc)) exit

> _____ end _eqspec._confirm_eqn
> ame _____
    - }
    - local NAME : list retok NAME
    - gettoken COLON anything : REST, parse(":")
    - }
    - else {
        local NAME
    }
    - gettoken DEPVARS REST : anything, parse("=") bind
    - if "`DEPVARS'" == "=" {
    = if "piq_timing_max " == "=" {
        local REST : copy local anything
        local DEPVARS
    }
    - if (`:length local DEPVARS' == 0 & `.n_depvars') {
    = if (15 == 0 & 0) {
        di as err "nothing found where depvar expected"
        exit 198
    }
    - if `"'REST'"' == "" {
    = if `"'= rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_lat
> e 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors
> _ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mi
> d 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint
> _mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_m
> id#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#
> 1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_lat
> e#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late
> #1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1

```

```

> o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_l
> ate 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_autho
> rs_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_
> late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_autho
> rs_ext#1o.est_late"" == "" {
    if 0`.needequal' {
    if `.needvarlist' | (`:length local DEPVARs' != 0 & `.n_depvar
> s') {
    di as err "equal sign required to separate depvars from indepv
> ars"

    exit 198
    }
    }
    local DEPVARs
    local n_deps : list sizeof anything
    if `n_deps' != 0 | `.needvarlist' {
    if `n_deps' < `.n_depvars' {
    error 102
    }
    forval j = 1/`.n_depvars' {
    gettoken YY anything : anything
    local DEPVARs `DEPVARs' `YY'
    }
    local INDEPVARs : list retok anything
    }
    loca hasequal 0
    }
    - else {
    - gettoken EQ INDEPVARs : REST, parse("=") bind
    - local hasequal 1
    - }
    - if `:list sizeof DEPVARs' {
    = if 1 {
    - _fv_check_depvar `DEPVARs'
    = _fv_check_depvar piq_timing_max
    - tsunab DEPVARs : `DEPVARs'
    = tsunab DEPVARs : piq_timing_max

    _____
> _____ begin tsu
> nab _____
    - version 6
    - gettoken user 0: 0, parse(" :")
    - gettoken colon 0: 0, parse(" :")
    - if ``colon'"" != ":" { error 198 }
    = if `:"'"" != ":" { error 198 }
    - syntax [varlist(ts default=empty)] [, MIN(integer 1) MAX(int

```



```
> eger 32000) NAME(string)]
    - c_local `user' `varlist'
    = c_local DEPVARS piq_timing_max
    - local n : word count `varlist'
    = local n : word count piq_timing_max
    - if `n'>=`min' & `n'<=`max' { exit }
    = if 1>=1 & 1<=32000 { exit }
_____ end tsu
> nab _____
    - }
    - if `:list sizeof INDEPVARs' {
    = if 42 {
    - fvnab INDEPVARs : `INDEPVARs'
    = fvnab INDEPVARs : rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late
> 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 0b.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid 1
> n_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early
> 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 1o.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late
> 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint
> _mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1o.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late
_____ begin fvu
> nab _____
    - version 11
    - _on_colon_parse `0'
    = _on_colon_parse INDEPVARs : rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1o.est_early 1o.vint_mid#0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1o.est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors_ext#1o.est_late
```

```

> #0b.est_late 1o.cb_authors_ext#1o.est_late
> _____ begin _on_colon_pa
> rse _____
    - version 8.2
    - sreturn local before ""
    - sreturn local after ""
    - gettoken before after : 0, parse(":") bind match(par) quot
> es
    - if "`par'" != "" {
    = if "" != "" {
      local before "`('before')'"
    }
    - if ``"before" == ":" {
    = if ``INDEPVARs "" == ":" {
      sreturn local after ``"after"
      exit
    }
    - while ``"COLON" != ":" & ``"after" != "" {
    = while ``"" != ":" & ``: rule_g rule_itr estimated 0b.cb_a
> uthors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.v
> int_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_
> authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.v
> int_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#
> 0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.e
> st_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o
> .est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b
> .est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.
> est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_
> late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1
> .est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.
> cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0
> b.est_late 1o.cb_authors_ext#1o.est_late"" != "" {
    - gettoken COLON after : after, parse(":") bind match(par) q
> uotes
    - if "`par'" != "" {
    = if "" != "" {
      local before `before' (`COLON')
      local COLON
    }
    - else if ``"COLON" != ":" {
    = else if ``:"" != ":" {
      local before ``before' `COLON'"
      local COLON
    }
    - }

```

```

- while `""COLON"" != ":" & `""after"" != "" {
= while `":"" != ":" & `"" rule_g rule_itr estimated 0b.cb_a
> uthors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.v
> int_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_
> authors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.v
> int_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#
> 0b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.e
> st_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o
> .est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b
> .est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.
> est_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_
> late vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1
> .est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.
> cb_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0
> b.est_late 1o.cb_authors_ext#1o.est_late"" != "" {
gettoken COLON after : after, parse(":") bind match(par) q
> uotes

if ""par"" != "" {
local before `before' (`COLON')
local COLON
}
else if `""COLON"" != ":" {
local before `""before' `COLON""
local COLON
}
}
- if `""COLON"" != ":" {
= if `":"" != ":" {
di as err ""' found where ':' expected"
exit 198
}
- sreturn local before `""before""
= sreturn local before `INDEPVARs ""
- sreturn local after `""after""
= sreturn local after `"" rule_g rule_itr estimated 0b.cb_a
> thors_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vi
> nt_late 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_a
> uthors_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vi
> nt_mid ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0
> b.est_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.es
> t_early 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.
> est_early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.
> est_late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.e
> st_late 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_l
> ate vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.
> est_early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.c

```

```

> b_authors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b
> .est_late 1o.cb_authors_ext#1o.est_late"

> _____ end _on_colon_pa
> rse _____
      - local 0 ``s(before)''
      = local 0 ``INDEPVARs ''
      - syntax name(id="macro name" name=user)
      - local 0 ``s(after)''
      = local 0 `` rule_g rule_itr estimated 0b.cb_authors_ext#0b.v
> int_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_
> authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.
> vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq
> 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o
> .vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vin
> t_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.v
> int_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vi
> nt_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vin
> t_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o
> .vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.c
> b_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#
> 0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.c
> b_authors_ext#1o.est_late"
      - syntax [varlist(ts fv default=none)] [, MIN(integer 1) MAX(i
> nteger 32000) NAME(string) ]
      - c_local `user' `varlist'
      = c_local INDEPVARs rule_g rule_itr estimated 0b.cb_authors_ex
> t#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late
> 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_e
> xt#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid l
> n_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_ea
> rly 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early
> 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_earl
> y 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late
> 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late
> 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint
> _mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_earl
> y 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_autho
> r_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_lat
> e 1o.cb_authors_ext#1o.est_late
      - local n : list sizeof varlist
      - if (`min' <= `n' & `n' <= `max') exit
      = if (1 <= 42 & 42 <= 32000) exit

> _____ end fvu
> nab _____

```

```

- }
- if inlist("noconstant", "`noconstant'", "`constant'") {
= if inlist("noconstant", "", "") {
    if "`INDEPVARs'" == "" & !`.nocons_ignore' {
        di as err "independent variables are required when option noco
> nstant is specified"
        exit 102
    }
    if "`NOCONS'" != "" {
        local options `options' noconstant
    }
    local NOCONS 1
}
- else local NOCONS 0
- if ``offset'`exposure'`` != "" {
= if `""' != "" {
    . _check_offset, `offset' `exposure'
    local OFFSET ``s(offset)''
    local EXPOSURE = (`exposure' != "")
    local OTHER `s(offset)'
}
- else local EXPOSURE 0
- local FREEARM = ``freeparm'`` != ""
= local FREEARM = `""' != ""
- local OPTIONS
- local SPACE
- foreach OPTNAME of local OPTNAMES {
- if ``OPTNAME'`` != "" {
= if `""' != "" {
    local OPTIONS ``OPTIONS'`SPACE'`OPTNAME'``
    local SPACE " "
}
- }
- if ``OPTNAME'`` != "" {
= if `""' != "" {
    local OPTIONS ``OPTIONS'`SPACE'`OPTNAME'``
    local SPACE " "
}
- }
- if ``OPTNAME'`` != "" {
= if `""' != "" {
    local OPTIONS ``OPTIONS'`SPACE'`OPTNAME'``
    local SPACE " "
}
- }
- if ``OPTNAME'`` != "" {

```

```

= if `""` != "" {
    local OPTIONS ``OPTIONS``SPACE``OPTNAME``
    local SPACE " "
}
- }
- if ``options`` != "" {
= if `""` != "" {
    local OPTIONS ``OPTIONS``SPACE``options``
}
- .name = ``NAME``
= .name = `piq_timing_max`
- .depvars = ``DEPVARs``
= .depvars = `piq_timing_max`
- .hasequal = `hasequal`
= .hasequal = 1
- .indepvars = ``:list retok INDEPVARs``
= .indepvars = `rule_g rule_itr estimated 0b.cb_authors_ext#0b.
> vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb
> _authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o
> .vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq
> 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1
> o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vi
> nt_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.
> vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.v
> int_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vi
> nt_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid
> o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.
> cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext
> #0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.
> cb_authors_ext#1o.est_late`
- .other_markvars = ``:list retok OTHER``
= .other_markvars = ``
- .nocons = `NOCONS`
= .nocons = 0
- .if = ``HOLDIF``
= .if = ``
- .in = ``HOLDIN``
= .in = ``
- .wgt = ``HOLDWGT``
= .wgt = ``
- .offset = ``OFFSET``
= .offset = ``
- .exposure = `EXPOSURE`
= .exposure = 0
- .freeparm = `FREEPARM`
= .freeparm = 0

```

```

- .options = ```OPTIONS```
= .options = ````
_____
> _____ end _eqspec.pa
> rse _____
- }
- local MARKOPTLIST ```.mark_opts.dumpoptions```
_____
> _____ begin _optlist.dumpopti
> ons _____
- version 9
- forval i = 1/`.options.arnels' {
= forval i = 1/0 {
  local optlist `optlist' `.options['i']'
  }
- local optlist : list uniq optlist
- sreturn local optlist ```optlist```
= sreturn local optlist ````
- class exit ```optlist```
= class exit ````
_____
> _____ end _optlist.dumpopti
> ons _____
= local MARKOPTLIST ````
- local MARKOPTNAMES ```.mark_opts.dumpnames```
_____
> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arnels' {
= forval i = 1/0 {
  local namelist `namelist' `.names['i']'
  }
- local namelist : list uniq namelist
- sreturn local namelist ```namelist```
= sreturn local namelist ````
- class exit ```namelist```
= class exit ````
_____
> _____ end _optlist.dumpna
> mes _____
= local MARKOPTNAMES ````
- local OPTLIST1 : substr local MARKOPTLIST "(passthru)" "(strin
> g asis)", all
- local SMARKOPTLIST ```.smark_opts.dumpoptions```
_____

```

```

> ----- begin _optlist.dumpopti
> ons -----
    - version 9
    - forval i = 1/`.options.arnels' {
= forval i = 1/0 {
    local optlist `optlist' `.options['i']'
    }
    - local optlist : list uniq optlist
    - sreturn local optlist ```optlist'''
= sreturn local optlist `'''
    - class exit ```optlist'''
= class exit `'''
    -----

> ----- end _optlist.dumpopti
> ons -----
    = local SMARKOPTLIST `'''
    - local SMARKOPTNAMES ```.smark_opts.dumpnames'''
    -----

> ----- begin _optlist.dumpna
> mes -----
    - version 9
    - forval i = 1/`.names.arnels' {
= forval i = 1/0 {
    local namelist `namelist' `.names['i']'
    }
    - local namelist : list uniq namelist
    - sreturn local namelist ```namelist'''
= sreturn local namelist `'''
    - class exit ```namelist'''
= class exit `'''
    -----

> ----- end _optlist.dumpna
> mes -----
    = local SMARKOPTNAMES `'''
    - local OPTLIST1s : substr local SMARKOPTLIST "(passthru)" "(str
> ing asis)", all
    - local RMCOLLOPTLIST ```.rmcoll_opts.dumpoptions'''
    -----

> ----- begin _optlist.dumpopti
> ons -----
    - version 9
    - forval i = 1/`.options.arnels' {
= forval i = 1/0 {
    local optlist `optlist' `.options['i']'
    }
    - local optlist : list uniq optlist

```



```

- sreturn local optlist ``optlist'''
= sreturn local optlist `'''
- class exit ``optlist'''
= class exit `'''

```

```

> _____ end _optlist.dumpopti
> ons _____
    = local RMCOLLOPTLIST `'''
    - local RMCOLLOPTNAMES ```.rmcoll_opts.dumpnames'''

```

```

> _____ begin _optlist.dumpna
> mes _____
    - version 9
    - forval i = 1/`.names.arnels' {
    = forval i = 1/0 {
        local namelist `namelist' `'.names['i']'
    }
    - local namelist : list uniq namelist
    - sreturn local namelist ``namelist'''
    = sreturn local namelist `'''
    - class exit ``namelist'''
    = class exit `'''

```

```

> _____ end _optlist.dumpna
> mes _____
    = local RMCOLLOPTNAMES `'''
    - local OPTLIST2 : substr local RMCOLLOPTLIST "(passthru)" "(str
> ing asis)", all
    - local RMDCOLLOPTLIST ```.rmdcoll_opts.dumpoptions'''

```

```

> _____ begin _optlist.dumpopti
> ons _____
    - version 9
    - forval i = 1/`.options.arnels' {
    = forval i = 1/0 {
        local optlist `optlist' `'.options['i']'
    }
    - local optlist : list uniq optlist
    - sreturn local optlist ``optlist'''
    = sreturn local optlist `'''
    - class exit ``optlist'''
    = class exit `'''

```

```

> _____ end _optlist.dumpopti
> ons _____
    = local RMDCOLLOPTLIST `'''

```

```

- local RMDCOLLOPTNAMES ```.rmdcoll_opts.dumpnames'''


---


> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arnels' {
= forval i = 1/0 {
  local namelist `namelist' `.names['i']'
  }
- local namelist : list uniq namelist
- sreturn local namelist ```.namelist'''
= sreturn local namelist `'''
- class exit ```.namelist'''
= class exit `'''


---


> _____ end _optlist.dumpna
> mes _____
= local RMDCOLLOPTNAMES `'''
- local OPTLIST3 : substr local RMDCOLLOPTLIST "(passthru)" "(st
> ring asis)", all
- local 0 `", `GL_op'''
= local 0 `", ""
- syntax [, `OPTLIST1' `OPTLIST1s' `OPTLIST2' `OPTLIST3' COLLlinear
> noCONSTant * ]
= syntax [, COLLlinear noCONSTant * ]
- local GL_op ```.options'''
= local GL_op `'''
- if ```.collinear''' != "" {
= if `''' != "" {
  local GL_op ```.GL_op' `collinear'''
  .collinear = ""collinear""
  }
- if ```.constant''' != "" {
= if `''' != "" {
  local GL_op ```.GL_op' `constant'''
  .nocons = ""constant""
  }
- local I 0
- foreach OPT of local MARKOPTNAMES {
  if `:list sizeof `OPT'' {
    .mark_list['++I'] = .eqspec.new, numdep(0) wtypes(`.wtypes')
    .mark_list['I'].parse "" : ``OPT''
    .mark_name.Arrpush ""OPT""
  }
}
- local I 0

```

```

- foreach OPT of local SMARKOPTNAMES {
  if `:list sizeof `OPT'' {
    .smark_list[`++I'] = .eqspec.new, numdep(0) wtypes(`.wtypes')
    .smark_list[`I'].parse "" : ``OPT''
    .smark_name.Arrpush ``OPT''
  }
}
- local I 0
- foreach OPT of local RMCOLLOPTNAMES {
  if `:list sizeof `OPT'' {
    .rmcoll_list[`++I'] = .eqspec.new, numdep(0) wtypes(`.wtypes')
    .rmcoll_list[`I'].parse "" : ``OPT''
    .rmcoll_name.Arrpush ``OPT''
  }
}
- local I 0
- foreach OPT of local RMDCOLLOPTNAMES {
  if `:list sizeof `OPT'' {
    .rmdcoll_list[`++I'] = .eqspec.new, wtypes(`.wtypes')
    .rmdcoll_list[`I'].parse "" : ``OPT''
    .rmdcoll_name.Arrpush ``OPT''
  }
}
- .n_eq = `EQ_n'
= .n_eq = 1
- .gl_if = ``GL_if'''
= .gl_if = `'''
- .gl_in = ``GL_in'''
= .gl_in = `'''
- .gl_wgt = ``GL_wt'''
= .gl_wgt = ``[]'''
- .gl_options = ``:list retok GL_op'''
= .gl_options = `'''

```

> _____ end_eqlist.pa

> rse _____

```

- if ``subpop''' != "" & ``missing''' == "" {
= if "" != "" & "missing" == "" {
  if `interactive' {
    SetGlobalVar ML_samp : _MLtu
  }
  else {
    global ML_samp : tempvar
    if ``moptobj''' != "" {
      global ML_samp `moptobj'$ML_samp
    }
  }
}

```

```

    }
    tempvar markuse
    _svy_setup $ML_sample $ML_samp, svy subpop(`subpop')
    quietly gen byte `markuse' = $ML_samp
  }
  - else global ML_samp $ML_sample
= else global ML_samp __000005
  - if "`collinear'" == "" {
= if "collinear" == "" {
    .`eqlist'.rmcoll $ML_samp, replace `missing'
  }
  - else if "`missing'" == "" {
= else if "missing" == "" {
    .`eqlist'.markout $ML_samp, replace
  }
  - if "$ML_samp" != "$ML_sample" {
= if "__000005" != "__000005" {
    `vv' quietly replace $ML_sample = 0 if `markuse' & !$ML_samp
    drop `markuse'
  }
  - local eq_n = `.`eqlist'.eq count'
}

> ----- begin _eqlist
> .eq -----
    - version 9.2
    - args item idx
    - if "`item'" == "count" {
= if "count" == "count" {
    - sreturn local value ```.n_eq'''
= sreturn local value ``1'''
    - class exit ``s(value)'''
= class exit ``1'''
}

> ----- end _eqlist
> .eq -----
    = local eq_n = 1
    - global ML_n : copy local eq_n
    - global ML_dim = `.`eqlist'.dim'
}

> ----- begin _eqlist.
> dim -----
    - version 9.2
    - syntax
    - local neq = `.`eq count'
}

> ----- begin _eqlist

```

```

> .eq
    - version 9.2
    - args item idx
    - if "`item'" == "count" {
    = if "count" == "count" {
    - sreturn local value ```.n_eq'''
    = sreturn local value `1'
    - class exit ``s(value)'''
    = class exit `1'

> _____ end _eqlist
> .eq
    = local neq = 1
    - forval i = 1/`neq' {
    = forval i = 1/1 {
    - local xvarsi ``.eq indepvars `i'''

> _____ begin _eqlist
> .eq
    - version 9.2
    - args item idx
    - if "`item'" == "count" {
    = if "indepvars" == "count" {
      sreturn local value ```.n_eq'''
      class exit ``s(value)'''
    }
    - else if 0 < `idx' & `idx' <= `.n_eq' {
    = else if 0 < 1 & 1 <= 1 {
    - .eq_list[`idx'].item `item'
    = .eq_list[1].item indepvars

> _____ begin _eqspec.i
> tem
    - version 9.2
    - args item
    - .check_eq_item_name item, `item'
    = .check_eq_item_name item, indepvars

> _____ begin _eqspec._check_eq_item_n
> ame
    - version 9.2
    - capture syntax name(name=c_item) [, NAME DEPvars INDEPvars
> IF IN WGT OTHER NOCONS OFFset EXPosure FREEParm OPTions ]
    - if c(rc) error 198
    - if `:list sizeof other' {
    = if 0 {

```

```

        local other other_markvars
    }
    - local item `name' `depvars' `indepvars' `if' `in' `wgt' `o
> ther' `nocons' `offset' `exposure' `freeparm' `options'
    = local item indepvars
    - if `:list sizeof item' != 1 {
    = if 1 != 1 {
        error 198
    }
    - c_local `c_item' `item'
    = c_local item indepvars


---


> _____ end _eqspec._check_eq_item_n
> ame _____
    - local value ```.`item'```
    = local value ``rule_g rule_itr estimated 0b.cb_authors_ext#0b
> .vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.c
> b_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1
> o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_ne
> q 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early
> 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.v
> int_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b
> .vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.
> vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.v
> int_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid
> o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o
> .cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ex
> t#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o
> .cb_authors_ext#1o.est_late"
    - sreturn local value ```.value```
    = sreturn local value ``rule_g rule_itr estimated 0b.cb_autho
> r_ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_l
> ate 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_autho
> rs_ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_m
> id ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.es
> t_early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_ea
> rly 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_
> early 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_
> late 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_l
> ate 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late
> vint_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_
> early 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_au
> thors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est
> _late 1o.cb_authors_ext#1o.est_late"
    - class exit ```.value```
    = class exit ``rule_g rule_itr estimated 0b.cb_authors_ext#0b.

```

```

> vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb
> _authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o
> .vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq
> 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1
> o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vi
> nt_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.
> vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.v
> int_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vi
> nt_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid
> o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.
> cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext
> #0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.
> cb_authors_ext#1o.est_late''

> _____ end _eqspec.i
> tem _____
      - class exit ``s(value)''
      = class exit "rule_g rule_itr estimated 0b.cb_authors_ext#0b.vi
> nt_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_a
> uthors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.v
> int_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0
> b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.
> vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint
> _late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vi
> nt_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vin
> t_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint
> _mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.
> vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb
> _authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0
> b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb
> _authors_ext#1o.est_late''

> _____ end _eqlist
> .eq _____
      = local xvarsi "rule_g rule_itr estimated 0b.cb_authors_ext#0b.vi
> nt_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_a
> uthors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.v
> int_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0
> b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.
> vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint
> _late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vi
> nt_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vin
> t_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint
> _mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.
> vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb
> _authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0

```

```

> b.est_late 0b.cb_authors_ext#10.est_late 10.cb_authors_ext#0b.est_late 10.cb
> _authors_ext#10.est_late''
    - local noconsi ```.eq nocons `i''''

> _____ begin _eqlist
> .eq _____
    - version 9.2
    - args item idx
    - if ``item'' == "count" {
= if "nocons" == "count" {
    sreturn local value ```.n_eq''
    class exit ``s(value)''
    }
    - else if 0 < `idx' & `idx' <= `.n_eq' {
= else if 0 < 1 & 1 <= 1 {
    - .eq_list[`idx'].item `item'
= .eq_list[1].item nocons

> _____ begin _eqspec.i
> tem _____
    - version 9.2
    - args item
    - .check_eq_item_name item, `item'
= .check_eq_item_name item, nocons

> _____ begin _eqspec._check_eq_item_n
> ame _____
    - version 9.2
    - capture syntax name(name=c_item) [, NAME DEPvars INDEPvars
> IF IN WGT OTHER NOCONS OFFset EXPosure FREEParm OPTions ]
    - if c(rc) error 198
    - if `:list sizeof other' {
= if 0 {
    local other other_markvars
    }
    - local item `name' `depvars' `indepvars' `if' `in' `wgt' `o
> ther' `nocons' `offset' `exposure' `freeparm' `options'
= local item nocons
    - if `:list sizeof item' != 1 {
= if 1 != 1 {
    error 198
    }
    - c_local `c_item' `item'
= c_local item nocons

> _____ end _eqspec._check_eq_item_n

```



```

> ame -----
      - local value ```.item'''
      = local value ``0''
      - sreturn local value ``value'''
      = sreturn local value ``0''
      - class exit ``value'''
      = class exit ``0''
-----

> ----- end _eqspec.i
> tem -----
      - class exit ``s(value)'''
      = class exit ``0''
-----

> ----- end _eqlist
> .eq -----
      = local noconsi ``0''
      - local dim = `dim' + `:list sizeof xvarsi'
      = local dim = + 42
      - if ``noconsi' == "0" {
      = if "0" == "0" {
      - local ++dim
      - }
      - }
      - sreturn local value ``dim'''
      = sreturn local value ``43''
      - class exit ``s(value)'''
      = class exit ``43''
-----

> ----- end _eqlist.
> dim -----
      = global ML_dim = 43
      - forval i = 1/`eq_n' {
      = forval i = 1/1 {
      - local depvars `.`eqlist'.eq depvars `i''
-----

> ----- begin _eqlist
> .eq -----
      - version 9.2
      - args item idx
      - if ``item' == "count" {
      = if "depvars" == "count" {
      sreturn local value ``.n_eq'''
      class exit ``s(value)'''
      }
      - else if 0 < `idx' & `idx' <= `.n_eq' {
      = else if 0 < 1 & 1 <= 1 {

```

```

- .eq_list[`idx'].item `item'
= .eq_list[1].item depvars
_____
> _____ begin _eqspec.i
> tem _____
- version 9.2
- args item
- .check_eq_item_name item, `item'
= .check_eq_item_name item, depvars
_____
> _____ begin _eqspec._check_eq_item_n
> ame _____
- version 9.2
- capture syntax name(name=c_item) [, NAME DEPvars INDEPvars I
> F IN WGT OTHER NOCONS OFFset EXPosure FREEParM OPTions ]
- if c(rc) error 198
- if `:list sizeof other' {
= if 0 {
local other other_markvars
}
- local item `name' `depvars' `indepvars' `if' `in' `wgt' `oth
> er' `nocons' `offset' `exposure' `freeparm' `options'
= local item depvars
- if `:list sizeof item' != 1 {
= if 1 != 1 {
error 198
}
- c_local `c_item' `item'
= c_local item depvars
_____
> _____ end _eqspec._check_eq_item_n
> ame _____
- local value ```.`item'```
= local value `piq_timing_max'
- sreturn local value ```.value```
= sreturn local value `piq_timing_max'
- class exit ```.value```
= class exit `piq_timing_max'
_____
> _____ end _eqspec.i
> tem _____
- class exit ```.s(value)```
= class exit `piq_timing_max'
_____
> _____ end _eqlist
> .eq _____

```

```

= local depvars piq_timing_max
- local eq ``.eqlist'.eq name `i''

> _____ begin _eqlist
> .eq _____
    - version 9.2
    - args item idx
    - if ``item' == "count" {
= if "name" == "count" {
    sreturn local value ``.n_eq'
    class exit ``s(value)''
    }
    - else if 0 < `idx' & `idx' <= `.n_eq' {
= else if 0 < 1 & 1 <= 1 {
    - .eq_list[`idx'].item `item'
= .eq_list[1].item name

> _____ begin _eqspec.i
> tem _____
    - version 9.2
    - args item
    - .check_eq_item_name item, `item'
= .check_eq_item_name item, name

> _____ begin _eqspec._check_eq_item_n
> ame _____
    - version 9.2
    - capture syntax name(name=c_item) [, NAME DEPvars INDEPvars I
> F IN WGT OTHER NOCONS OFFset EXPosure FREEparm OPTions ]
    - if c(rc) error 198
    - if `:list sizeof other' {
= if 0 {
    local other other_markvars
    }
    - local item `name' `depvars' `indepvars' `if' `in' `wgt' `oth
> er' `nocons' `offset' `exposure' `freeparm' `options'
    = local item name
    - if `:list sizeof item' != 1 {
= if 1 != 1 {
    error 198
    }
    - c_local `c_item' `item'
= c_local item name

> _____ end _eqspec._check_eq_item_n
> ame _____

```

```

- local value ```.item'''
= local value `piq_timing_max`
- sreturn local value ```.value'''
= sreturn local value `piq_timing_max`
- class exit ```.value'''
= class exit `piq_timing_max`

> _____ end _eqspec.i
> tem _____
- class exit ```.s(value)'''
= class exit `piq_timing_max`

> _____ end _eqlist
> .eq _____
= local eq piq_timing_max
- if !`:length local eq' {
= if !14 {
  local eq eq`i'
}
- if `:list eq in eqnames' {
= if 0 {
  di as err "equation `eq' multiply defined"
  exit 110
}
- local eqnames `eqnames' `eq'
= local eqnames piq_timing_max
- fvexpand `.`_eqlist'.eq indepvars `i' if $ML_samp

> _____ begin _eqlist
> .eq _____
- version 9.2
- args item idx
- if ``.item' == "count" {
= if "indepvars" == "count" {
  sreturn local value ```.n_eq'''
  class exit ```.s(value)'''
}
- else if 0 < `idx' & `idx' <= `.n_eq' {
= else if 0 < 1 & 1 <= 1 {
- .eq_list[`idx'].item `item'
= .eq_list[1].item indepvars

> _____ begin _eqspec.i
> tem _____
- version 9.2
- args item

```

```

- ._check_eq_item_name item, `item'
= ._check_eq_item_name item, indepvars

```

```

> _____ begin _eqspec._check_eq_item_n
> ame _____
- version 9.2
- capture syntax name(name=c_item) [, NAME DEPvars INDEPvars I
> F IN WGT OTHER NOCONS OFFset EXPosure FREEParam OPTions ]
- if c(rc) error 198
- if `:list sizeof other' {
= if 0 {
local other other_markvars
}
- local item `name' `depvars' `indepvars' `if' `in' `wgt' `oth
> er' `nocons' `offset' `exposure' `freeparm' `options'
= local item indepvars
- if `:list sizeof item' != 1 {
= if 1 != 1 {
error 198
}
- c_local `c_item' `item'
= c_local item indepvars

```

```

> _____ end _eqspec._check_eq_item_n
> ame _____
- local value ```.`item'```
= local value ``"rule_g rule_itr estimated 0b.cb_authors_ext#0b.v
> int_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_
> authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.
> vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq
> 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o
> .vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vin
> t_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.v
> int_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vi
> nt_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vin
> t_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o
> .vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.c
> b_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#
> 0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.c
> b_authors_ext#1o.est_late```
- sreturn local value ```.`value'```
= sreturn local value ``"rule_g rule_itr estimated 0b.cb_authors_
> ext#0b.vint_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_lat
> e 1o.cb_authors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors
> _ext#1o.vint_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid
> ln_neq 0b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_

```

```

> early 1o.vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_earl
> y 0b.vint_late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_ea
> rly 0b.vint_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_la
> te 1o.vint_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_lat
> e 0b.vint_mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vi
> nt_mid o.vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_ea
> rly 1o.cb_authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_auth
> ors_ext#0b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_l
> ate 1o.cb_authors_ext#1o.est_late"
    - class exit ``"value"``
    = class exit ``"rule_g rule_itr estimated 0b.cb_authors_ext#0b.vi
> nt_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_a
> uthors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.v
> int_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0
> b.vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.
> vint_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint
> _late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vi
> nt_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vin
> t_late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint
> _mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.
> vint_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb
> _authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0
> b.est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb
> _authors_ext#1o.est_late"

_____
> _____ end _eqspec.i
> tem _____
    - class exit ``"s(value)"``
    = class exit ``"rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint
> _late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_aut
> hors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vin
> t_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.
> vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vi
> nt_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_l
> ate#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint
> _late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_
> late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_m
> id#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vi
> nt_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_a
> uthors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.
> est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_a
> uthors_ext#1o.est_late"

_____
> _____ end _eqlist
> .eq _____
    = fvexpand rule_g rule_itr estimated 0b.cb_authors_ext#0b.vint_late

```

```

> 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_authors_e
> xt#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vint_mid
> 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b.vint_m
> id#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.vint_mid
> #1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_late#1o
> .est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vint_late#
> 0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint_late#1
> o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_mid#1o.
> est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.vint_lat
> e 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_authors
> _ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b.est_la
> te 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_authors
> _ext#1o.est_late if __000005
    - if ``r(tsops)'' == "true" {
    = if "" == "true" {
      global ML_preserve no
    }
    - local eq_rhs`i' ``r(varlist)''
    = local eq_rhs1 ``rule_g rule_itr estimated 0b.cb_authors_ext#0b.vin
> t_late 0b.cb_authors_ext#1.vint_late 1o.cb_authors_ext#0b.vint_late 1o.cb_au
> thors_ext#1o.vint_late 0b.cb_authors_ext#0b.vint_mid 0b.cb_authors_ext#1o.vi
> nt_mid 1o.cb_authors_ext#0b.vint_mid 1o.cb_authors_ext#1o.vint_mid ln_neq 0b
> .vint_mid#0b.est_early 0b.vint_mid#1.est_early 1o.vint_mid#0b.est_early 1o.v
> int_mid#1o.est_early est_late o.est_early 0b.vint_late#0b.est_early 0b.vint_
> late#1o.est_early 1o.vint_late#0b.est_early 1o.vint_late#1o.est_early 0b.vin
> t_late#0b.est_late 0b.vint_late#1o.est_late 1o.vint_late#0b.est_late 1o.vint
> _late#1o.est_late vint_early cb_authors_ext 0b.vint_mid#0b.est_late 0b.vint_
> mid#1o.est_late 1o.vint_mid#0b.est_late 1o.vint_mid#1o.est_late vint_mid o.v
> int_late 0b.cb_authors_ext#0b.est_early 0b.cb_authors_ext#1.est_early 1o.cb_
> authors_ext#0b.est_early 1o.cb_authors_ext#1o.est_early 0b.cb_authors_ext#0b
> .est_late 0b.cb_authors_ext#1o.est_late 1o.cb_authors_ext#0b.est_late 1o.cb_
> authors_ext#1o.est_late''
    - local eq_nocons`i' ``.eqlist'.eq nocons `i''
  }
}

> _____ begin_eqlist
> .eq
    - version 9.2
    - args item idx
    - if ``item'' == "count" {
    = if "nocons" == "count" {
      sreturn local value ``.n_eq''
      class exit ``s(value)''
    }
    - else if 0 < `idx' & `idx' <= `.n_eq' {
    = else if 0 < 1 & 1 <= 1 {
    - .eq_list[`idx'].item `item'

```

```

= .eq_list[1].item nocons
> _____ begin _eqspec.i
> tem _____
    - version 9.2
    - args item
    - .check_eq_item_name item, `item'
    = .check_eq_item_name item, nocons
> _____ begin _eqspec._check_eq_item_n
> ame _____
    - version 9.2
    - capture syntax name(name=c_item) [, NAME DEPvars INDEPvars I
> F IN WGT OTHER NOCONS OFFset EXPosure FREEParam OPTions ]
    - if c(rc) error 198
    - if `:list sizeof other' {
    = if 0 {
        local other other_markvars
    }
    - local item `name' `depvars' `indepvars' `if' `in' `wgt' `oth
> er' `nocons' `offset' `exposure' `freeparm' `options'
    = local item nocons
    - if `:list sizeof item' != 1 {
    = if 1 != 1 {
        error 198
    }
    - c_local `c_item' `item'
    = c_local item nocons
> _____ end _eqspec._check_eq_item_n
> ame _____
    - local value ```.`item'```
    = local value ``0```
    - sreturn local value ```value```
    = sreturn local value ``0```
    - class exit ```value```
    = class exit ``0```
> _____ end _eqspec.i
> tem _____
    - class exit ```s(value)```
    = class exit ``0```
> _____ end _eqlist
> .eq _____
    = local eq_nocons1 0

```



```

- local eq_offset`i' ``.eqlist'.eq offset `i''
_____
> _____ begin _eqlist
> .eq _____
- version 9.2
- args item idx
- if ``item' == "count" {
= if "offset" == "count" {
  sreturn local value ``.n_eq'
  class exit ``s(value)''
}
- else if 0 < `idx' & `idx' <= `.n_eq' {
= else if 0 < 1 & 1 <= 1 {
- .eq_list[`idx'].item `item'
= .eq_list[1].item offset
_____
> _____ begin _eqspec.i
> tem _____
- version 9.2
- args item
- .check_eq_item_name item, `item'
= .check_eq_item_name item, offset
_____
> _____ begin _eqspec._check_eq_item_n
> ame _____
- version 9.2
- capture syntax name(name=c_item) [, NAME DEPvars INDEPvars I
> F IN WGT OTHER NOCONS OFFset EXPOsure FREEparm OPTions ]
- if c(rc) error 198
- if `:list sizeof other' {
= if 0 {
  local other other_markvars
}
- local item `name' `depvars' `indepvars' `if' `in' `wgt' `oth
> er' `nocons' `offset' `exposure' `freeparm' `options'
= local item offset
- if `:list sizeof item' != 1 {
= if 1 != 1 {
  error 198
}
- c_local `c_item' `item'
= c_local item offset
_____
> _____ end _eqspec._check_eq_item_n
> ame _____
- local value ``.item'

```

```

        = local value `""`
        - sreturn local value ``value``
        = sreturn local value `""`
        - class exit ``value``
        = class exit `""`
    _____
> _____ end _eqspec.i
> tem _____
    - class exit ``s(value)``
    = class exit `""`
    _____
> _____ end _eqlist
> .eq _____
    = local eq_offset1
    - local eq_exposure`i' ``.eqlist'.eq exposure `i'
    _____
> _____ begin _eqlist
> .eq _____
    - version 9.2
    - args item idx
    - if ``item`` == "count" {
    = if "exposure" == "count" {
        sreturn local value ``.n_eq``
        class exit ``s(value)``
    }
    - else if 0 < `idx' & `idx' <= `.n_eq' {
    = else if 0 < 1 & 1 <= 1 {
        - .eq_list[`idx'].item `item'
        = .eq_list[1].item exposure
    _____
> _____ begin _eqspec.i
> tem _____
    - version 9.2
    - args item
    - ._check_eq_item_name item, `item'
    = ._check_eq_item_name item, exposure
    _____
> _____ begin _eqspec._check_eq_item_n
> ame _____
    - version 9.2
    - capture syntax name(name=c_item) [, NAME DEPvars INDEPvars I
> F IN WGT OTHER NOCONS OFFset EXPosure FREEParm OPTions ]
    - if c(rc) error 198
    - if `:list sizeof other' {
    = if 0 {
        local other other_markvars

```

```

    }
    - local item `name' `depvars' `indepvars' `if' `in' `wgt' `oth
> er' `nocons' `offset' `exposure' `freeparm' `options'
    = local item exposure
    - if `:list sizeof item' != 1 {
    = if 1 != 1 {
        error 198
    }
    - c_local `c_item' `item'
    = c_local item exposure
    _____
> _____ end _eqspec._check_eq_item_n
> ame _____
    - local value ```.`item'```
    = local value ``0```
    - sreturn local value ```value```
    = sreturn local value ``0```
    - class exit ```value```
    = class exit ``0```
    _____
> _____ end _eqspec.i
> tem _____
    - class exit ```s(value)```
    = class exit ``0```
    _____
> _____ end _eqlist
> .eq _____
    = local eq_exposure1 0
    - local eq_freeparm`i' ``.eqlist'.eq freeparm `i'
    _____
> _____ begin _eqlist
> .eq _____
    - version 9.2
    - args item idx
    - if ``item``` == "count" {
    = if "freeparm" == "count" {
        sreturn local value ```.n_eq```
        class exit ```s(value)```
    }
    - else if 0 < `idx' & `idx' <= `.n_eq' {
    = else if 0 < 1 & 1 <= 1 {
        - .eq_list[`idx'].item `item'
        = .eq_list[1].item freeparm
    }
    _____
> _____ begin _eqspec.i
> tem _____

```

```

- version 9.2
- args item
- .check_eq_item_name item, `item'
= .check_eq_item_name item, freeparm

```

```

> _____ begin _eqspec._check_eq_item_n
> ame _____
- version 9.2
- capture syntax name(name=c_item) [, NAME DEPvars INDEPvars I
> F IN WGT OTHER NOCONS OFFset EXPosure FREEParM OPTions ]
- if c(rc) error 198
- if `:list sizeof other' {
= if 0 {
local other other_markvars
}
- local item `name' `depvars' `indepvars' `if' `in' `wgt' `oth
> er' `nocons' `offset' `exposure' `freeparm' `options'
= local item freeparm
- if `:list sizeof item' != 1 {
= if 1 != 1 {
error 198
}
- c_local `c_item' `item'
= c_local item freeparm

```

```

> _____ end _eqspec._check_eq_item_n
> ame _____
- local value ```.item'''
= local value ``0'''
- sreturn local value ``value'''
= sreturn local value ``0'''
- class exit ``value'''
= class exit ``0'''

```

```

> _____ end _eqspec.i
> tem _____
- class exit ``s(value)'''
= class exit ``0'''

```

```

> _____ end _eqlist
> .eq _____
= local eq_freeparm1 0
- local lhs `lhs' `depvars'
= local lhs piq_timing_max
- local eq_names `eq_names' `eq'
= local eq_names piq_timing_max

```

```

- local nxvars :list sizeof eq_rhs`i'
= local nxvars :list sizeof eq_rhs1
- local TMP : copy local eq_rhs`i'
= local TMP : copy local eq_rhs1
- forval j = 1/`nxvars' {
= forval j = 1/42 {
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''
= local colna `` piq_timing_max:rule_g''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar''

```

```

        = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t

```

```

> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_

```

```

> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late""
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early""
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early""
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early""

```



```

- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'``
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early"
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'``
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early"
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'``
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late"
- }
- gettoken xvar TMP : TMP

```

```

- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late"
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late"
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma

```

```

> x:10.vint_late#10.est_late''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:10.cb_authors_ext#0b.vint_
> late piq_timing_max:10.cb_authors_ext#10.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#10.vint_mid piq_timing_
> max:10.cb_authors_ext#0b.vint_mid piq_timing_max:10.cb_authors_ext#10.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:10.vint_mid#0b.est_early piq_timi
> ng_max:10.vint_mid#10.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 10.est_early piq_timing_max:10.vint_late#0b.est_early piq_timing_max:10.vint
> _late#10.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#10.est_late piq_timing_max:10.vint_late#0b.est_late piq_timing_ma
> x:10.vint_late#10.est_late piq_timing_max:vint_early''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:10.cb_authors_ext#0b.vint_
> late piq_timing_max:10.cb_authors_ext#10.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#10.vint_mid piq_timing_
> max:10.cb_authors_ext#0b.vint_mid piq_timing_max:10.cb_authors_ext#10.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:10.vint_mid#0b.est_early piq_timi
> ng_max:10.vint_mid#10.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 10.est_early piq_timing_max:10.vint_late#0b.est_early piq_timing_max:10.vint
> _late#10.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#10.est_late piq_timing_max:10.vint_late#0b.est_late piq_timing_ma
> x:10.vint_late#10.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext''
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:10.cb_authors_ext#0b.vint_
> late piq_timing_max:10.cb_authors_ext#10.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#10.vint_mid piq_timing_
> max:10.cb_authors_ext#0b.vint_mid piq_timing_max:10.cb_authors_ext#10.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_

```

```

> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late"
- }
- gettoken xvar TMP : TMP
- local colna ``"colna" `eq':`xvar'"
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late"
- }
- gettoken xvar TMP : TMP
- local colna ``"colna" `eq':`xvar'"
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late"

```

```

- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late"
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid"
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_

```

```

> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late"
- }
- gettoken xvar TMP : TMP
- local colna ``"colna" `eq':`xvar'"
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early"
- }
- gettoken xvar TMP : TMP
- local colna ``"colna" `eq':`xvar'"
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi

```

```

> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> ""
    - }
    - gettoken xvar TMP : TMP
    - local colna ``"colna" `eq':`xvar'``
    = local colna ``" piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> piq_timing_max:1o.cb_authors_ext#0b.est_early"
    - }
    - gettoken xvar TMP : TMP
    - local colna ``"colna" `eq':`xvar'``
    = local colna ``" piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#

```

```

> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_
> ext#1o.est_early''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1o.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_
> ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late''
    - }
    - gettoken xvar TMP : TMP
    - local colna ``colna' `eq':`xvar'''
    = local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1o.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#

```



```

> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_
> ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_timing_max
> :0b.cb_authors_ext#1o.est_late"
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'"
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_
> ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_timing_max
> :0b.cb_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ext#0b.est_late"
> '
- }
- gettoken xvar TMP : TMP
- local colna ``colna' `eq':`xvar'"
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_

```

```

> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho
> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_
> ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_timing_max
> :0b.cb_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ext#0b.est_late
> piq_timing_max:1o.cb_authors_ext#1o.est_late''
- }
- if `eq_freeparm`i'' {
= if 0 {
  if `nxvars' {
    di as err "{it:xvars} not allowed with option {bf:freeparm}"
    exit 198
  }
  if strpos("`"eq'"', ":") {
    local colna ``colna' /`eq'""
  }
  else {
    local colna ``colna' /:`eq'""
  }
}
- else if !`eq_nocons`i'' {
= else if !0 {
- local colna ``colna' `eq':_cons''
= local colna `` piq_timing_max:rule_g piq_timing_max:rule_itr piq_t
> iming_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing
> _max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_
> late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_auth
> ors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_
> max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_m
> id piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_
> max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timi
> ng_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est
> _early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#
> 1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint
> _late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b
> .vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_ma
> x:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_autho

```

```

> rs_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.
> est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1
> o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max
> :0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early
> piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_
> ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_timing_max
> :0b.cb_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ext#0b.est_late
> piq_timing_max:1o.cb_authors_ext#1o.est_late piq_timing_max:_cons''
- }
- if ``moptobj'' != '' {
= if '' != '' {
  if ``eq_offset`i'' != '' {
    if substr(`eq_offset`i'',1,2)=="__" {
      capture clonevar `moptobj`eq_offset`i' = `eq_offset`i'
      local dropmetoo `dropmetoo' `moptobj`eq_offset`i'
    }
  }
}
- }
- if ``moptobj'' != '' {
= if '' != '' {
  foreach y of local lhs {
    if substr(`y'',1,2)=="__" {
      capture clonevar `moptobj``y' = `y'
      local tmp `tmp' `moptobj``y'
      local dropmetoo `dropmetoo' `moptobj``y'
    }
    else {
      local tmp `tmp' `y'
    }
  }
  local lhs `tmp'
}
- if `waldtest' > 0 & `:length local lf0' {
= if -1 > 0 & 20 {
  opts_exclusive "waldtest() lf0()"
}
- if `:length local continue' {
= if 0 {
  if !`:length local init' {
    tempname init
    local ub0 `init'
  }
  else tempname ub0
  mat `ub0' = e(b)
  tempname v0 iv0

```

```

mat `v0' = e(V)
mat `iv0' = syminv(`v0')
global ML_rank0 = colsof(`v0') - diag0cnt(`iv0')
if !`:length local lf0' & !missing(e(ll)) {
  local lf0 `=colsof(`ub0')' `e(ll)'
}
local ub0
}
- if `:length local init' {
= if 8 {
- tempname b0
- local dim : list sizeof colna
- matrix `b0' = J(1,`dim',0)
= matrix __000007 = J(1,43,0)
- matrix colna `b0' = `colna'
= matrix colna __000007 = piq_timing_max:rule_g piq_timing_max:rule
> _itr piq_timing_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late
> piq_timing_max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext
> t#0b.vint_late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:
> 0b.cb_authors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid p
> iq_timing_max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext
> #1o.vint_mid piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early p
> iq_timing_max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_earl
> y piq_timing_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing
> _max:o.est_early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.
> vint_late#1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_m
> ax:1o.vint_late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_tim
> ing_max:0b.vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq
> _timing_max:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_ma
> x:cb_authors_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vi
> nt_mid#1o.est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.
> vint_mid#1o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_
> timing_max:0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1
> .est_early piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.c
> b_authors_ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_
> timing_max:0b.cb_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ext#0b
> .est_late piq_timing_max:1o.cb_authors_ext#1o.est_late piq_timing_max:cons
- `vv' _mkvec `b0', from(`init') update first error("initial vector"
> )
= version 18.5: _mkvec __000007, from(__000004) update first error("
> initial vector")
> _____ begin _mk
> vec _____
- local vv : display "version " string(_caller()) ":"
- version 6

```

```

- gettoken matout 0 : 0, parse(", ")
- if "`matout'"==" | "`matout'"=="", " {
= if "__000007"==" | "__000007"=="", " {
  error 198
}
- syntax [, FROM(str) UPdate COLnames(str) ERRor(str) FIRST ]
- if "`update'"!=" {
= if "update"!=" {
- if "`colname'"!=" {
= if ""!=" {
  di in red "update and colnames() cannot both be " "specified"
  exit 198
}
- capture local colname : colfullnames `matout'
= capture local colname : colfullnames __000007
- if _rc {
  di in red "matrix `matout' not found"
  exit 111
}
- if rowsof(matrix(`matout')) != 1 {
= if rowsof(matrix(__000007)) != 1 {
  di in red "`matout' matrix to be updated must be " "a row vector

> "

  exit 503
}
- local matin `matout'
= local matin __000007
- }
- if ``error'"!=" {
= if `"initial vector'"!=" {
- local error ``error': ''
= local error `"initial vector: ''
- }
- tempname mat
- if ``from'"!=" {
= if ` "__000004'"!=" {
- From `from'
= From __000004

> _____ begin _mkvec.F
> rom _____
- gettoken from 0 : 0, parse(",") bind
- sret clear
- sret local from `from'
= sret local from __000004
- if ``0'"!=" {

```

```

= if `""!=` {
    syntax [, COPY SKIP ]
}
- sret local copy `copy'
= sret local copy
- sret local skip `skip'
= sret local skip

> _____ end _mkvec.F
> rom _____
    - local copy `s(copy)'
    = local copy
    - local skip `s(skip)'
    = local skip
    - if ``copy'!=` {
    = if `''!=` {
        CopyMat `mat' ``error' `s(from)'
        if ``colname'!=` {
            local dim : list sizeof colname
            if `dim' != colsof(matrix(`mat')) {
                di in red ``error'matrix must ' 'be dimension ' ' `dim'
                exit 503
            }
            `vv' mat colnames `mat' = `colname'
        }
    }
    - else {
    - `vv' BuildMat `mat' ``error' ``skip' `s(from)'
    = version 18.5: BuildMat __000008 ``initial vector: ' ' __000004

> _____ begin _mkvec.Build
> Mat _____
    - local vv : display "version " string(_caller()) ":"
    - version 6
    - args matall error skip
    - macro shift 3
    - tokenize ``*'', parse(" =")
    = tokenize `__000004'', parse(" =")
    - tempname matadd
    - local i 1
    - while ``i'!=` {
    = while `__000004'!=` {
        - local k = `i' + 1
        = local k = 1 + 1
        - if ``k'==`= {
        = if `''==`= {

```

```

        local j = `i' + 2
        `vv' MkMat `matadd' ``i'' ``j'' `skip'
        local i = `i' + 3
    }
- else {
- ChkMat `matadd' ``i'' ``error'""
= ChkMat __000009 __000004 `"initial vector: "'

> _____ begin _mkvec.Chk
> Mat _____
    - args matout matin error
    - capture di matrix(`matin'[1,1])
    = capture di matrix(__000004[1,1])
    - if _rc {
        capture confirm number `matin'
        if _rc {
            di in red ``error'matrix `matin' not found""
            exit 111
        }
        di in red ``error'list of numbers requires copy option""
        exit 198
    }
    - if matrix(rowsof(`matin'))!=1 & colsof(`matin'))!=1) {
    = if matrix(rowsof(__000004))!=1 & colsof(__000004))!=1) {
        di in red "`matin' " matrix(rowsof(`matin')) " x " matrix(co
> lsof(`matin')) " is not a vector"
        exit 503
    }
    - if matrix(rowsof(`matin')) == 1 {
    = if matrix(rowsof(__000004)) == 1 {
        - mat `matout' = `matin'
        = mat __000009 = __000004
        - }
        - else mat `matout' = `matin''
        = else mat __000009 = __000004'

> _____ end _mkvec.Chk
> Mat _____
    - local i = `i' + 1
    = local i = 1 + 1
    - }
    - mat `matall' = nullmat(`matall') , `matadd'
    = mat __000008 = nullmat(__000008) , __000009
    - }
    - while ``i'""!="" {
    = while ""!="" {

```

```

local k = `i' + 1
if "`k'"==" " {
local j = `i' + 2
`vv' MkMat `matadd' ``i' ``j' `skip'
local i = `i' + 3
}
else {
ChkMat `matadd' ``i' ``error'
local i = `i' + 1
}
mat `matall' = nullmat(`matall') , `matadd'
}

```

```
> _____ end _mkvec.Build
```

```
> Mat _____
```

```

- if "`colname'"!=" " {
= if "`piq_timing_max:rule_g piq_timing_max:rule_itr piq_timing_ma
> x:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing_max:0b.
> cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_late piq
> _timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_authors_ext#
> 0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_max:1o.c
> b_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_mid piq_t
> iming_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_max:0b.v
> int_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timing_max:1
> o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est_early p
> iq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#1o.est_e
> arly piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint_late#1o
> .est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b.vint_la
> te#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_max:1o.vin
> t_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_authors_ext p
> iq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.est_late
> piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1o.est_la
> te piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max:0b.cb_a
> uthors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early piq_tim
> ing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_ext#1o.e
> st_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_timing_max:0b.cb_a
> uthors_ext#1o.est_late piq_timing_max:1o.cb_authors_ext#0b.est_late piq_timi
> ng_max:1o.cb_authors_ext#1o.est_late piq_timing_max:_cons'"!=" " {
- `vv' ChkNames `mat' ``matin' ``colname' ``error' ``skip'
> ``first'
= version 18.5: ChkNames __000008 "__000007" "`piq_timing_max:rule
> _g piq_timing_max:rule_itr piq_timing_max:estimated piq_timing_max:0b.cb_aut
> hors_ext#0b.vint_late piq_timing_max:0b.cb_authors_ext#1.vint_late piq_timin
> g_max:1o.cb_authors_ext#0b.vint_late piq_timing_max:1o.cb_authors_ext#1o.vin
> t_late piq_timing_max:0b.cb_authors_ext#0b.vint_mid piq_timing_max:0b.cb_aut
> hors_ext#1o.vint_mid piq_timing_max:1o.cb_authors_ext#0b.vint_mid piq_timing

```



```

> _max:1o.cb_authors_ext#1o.vint_mid piq_timing_max:ln_neq piq_timing_max:0b.v
> int_mid#0b.est_early piq_timing_max:0b.vint_mid#1.est_early piq_timing_max:1
> o.vint_mid#0b.est_early piq_timing_max:1o.vint_mid#1o.est_early piq_timing_m
> ax:est_late piq_timing_max:o.est_early piq_timing_max:0b.vint_late#0b.est_ea
> rly piq_timing_max:0b.vint_late#1o.est_early piq_timing_max:1o.vint_late#0b.
> est_early piq_timing_max:1o.vint_late#1o.est_early piq_timing_max:0b.vint_la
> te#0b.est_late piq_timing_max:0b.vint_late#1o.est_late piq_timing_max:1o.vin
> t_late#0b.est_late piq_timing_max:1o.vint_late#1o.est_late piq_timing_max:vi
> nt_early piq_timing_max:cb_authors_ext piq_timing_max:0b.vint_mid#0b.est_lat
> e piq_timing_max:0b.vint_mid#1o.est_late piq_timing_max:1o.vint_mid#0b.est_l
> ate piq_timing_max:1o.vint_mid#1o.est_late piq_timing_max:vint_mid piq_timin
> g_max:o.vint_late piq_timing_max:0b.cb_authors_ext#0b.est_early piq_timing_m
> ax:0b.cb_authors_ext#1.est_early piq_timing_max:1o.cb_authors_ext#0b.est_ear
> ly piq_timing_max:1o.cb_authors_ext#1o.est_early piq_timing_max:0b.cb_autho
> r_ext#0b.est_late piq_timing_max:0b.cb_authors_ext#1o.est_late piq_timing_ma
> x:1o.cb_authors_ext#0b.est_late piq_timing_max:1o.cb_authors_ext#1o.est_late
> piq_timing_max:_cons" " "initial vector: " " " "first"

```

```

> _____ begin _mkvec.ChkNa
> mes _____

```

```

- local vv : display "version " string(_caller()) ":"
- version 6
- args mat matin names error skip first
- local dim = colsof(matrix(`mat`))
= local dim = colsof(matrix(__000008))
- if "`first'"!="" {
= if "first"!=" {
- gettoken name : names
- local eq1 = bsubstr("`name'",1,index("`name'",":"))
= local eq1 = bsubstr("`piq_timing_max:rule_g'",1,index("`piq_ti
> ming_max:rule_g'",":"))
- }
- tempname new fill x
- local k : list sizeof names
- if "`matin'"!="" {
= if "__000007"!=" {
- mat `new' = `matin'
= mat __000009 = __000007
- }
- else {
mat `new' = J(1,`k',0)
`vv' mat colnames `new' = `names'
}
- mat `fill' = J(1,`k',0)
= mat __00000A = J(1,43,0)
- local i 1

```

```

- while `i' <= `dim' {
= while 1 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,1..1]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'
  }
- else {
- local spec "`eq':`name'"
= local spec "_:rule_g"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "_:rule_g"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse rule_g, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)''
    local ospec "`eq':`oname'"
  }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:rule_g')
- if `j' == . & "`oname'" != "" {
= if 1 == . & "" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & "`sspec'" != "" {
= if 1 == . & "_:rule_g" != "" {
    `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 1==. & ``_""=="_" & ``piq_timing_max:'"!="" {
    `vv' local j = colnumb(`new',``eq1``name'')
    if `j' == . & "`oname'" != "" {
      `vv' local j = colnumb(`new',``eq1``oname'')
    }
  }
}

```

```

    }
    }
- if `j'!=. {
= if 1!=. {
- if `fill'[1,`j'] {
= if __00000A[1,1] {
    _ms_parse_parts `name'
    if !r(omit) {
    if "`eq'"=="_" {
    di in red `""`error'duplicate "' `"'entries for `name' found"'
    }
    else di in red `""`error'""' `"'duplicate entries for `eq':`name'
> found"'

    exit 507
    }
    else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,1] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,1] = __000008[1,1]
- }
- else if "`skip'"==" " {
= else if ""==" " {
    if "`eq'"=="_" {
    local spec : copy local name
    }
    di in red `""`error'extra parameter "' `""`spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 1 + 1
- }
- while `i' <= `dim' {
= while 2 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,2..2]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {

```

```

    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:rule_itr"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:rule_itr"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse rule_itr, noomit
- if c(rc) == 0 {
- if r(omit) {
  local oname ``r(stripe)''
  local ospec "`eq':`oname'"
}
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:rule_itr'')
- if `j' == . & ``oname' != "" {
= if 2 == . & "" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 2 == . & "/_:rule_itr" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 2==. & ``_'=="_" & ``piq_timing_max:'!="" {
  `vv' local j = colnumb(`new',``eq1`name'')
  if `j' == . & ``oname' != "" {
    `vv' local j = colnumb(`new',``eq1`oname'')
  }
}
- if `j'!=. {
= if 2!=. {
- if `fill'[1,`j'] {
= if __00000A[1,2] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'=="_" {
      di in red ``error'duplicate "" ``entries for `name' found''

```

```

    }
    else di in red ``error'' ``duplicate entries for `eq':`name'
> found''
    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,2] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,2] = __000008[1,2]
- }
- else if ``skip'')=="" {
= else if ""==" {
  if ``eq'')== "_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 2 + 1
- }
- while `i' <= `dim' {
= while 3 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,3..3]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq'')== "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec ``eq':`name'"
= local spec "_:estimated"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:estimated"
- }

```

```

- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse estimated, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)'''
    local ospec ``eq':`name'''
  }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:estimated'')
- if `j' == . & ``name' != '' {
= if 3 == . & '' != '' {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``spec' != '' {
= if 3 == . & "/_:estimated" != '' {
  `vv' local j = colnumb(`new',``spec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 3==. & ``_'=="_" & ``piq_timing_max:'!="" {
  `vv' local j = colnumb(`new',``eq1`name'')
  if `j' == . & ``name' != '' {
    `vv' local j = colnumb(`new',``eq1`name'')
  }
}
- if `j'!=. {
= if 3!=. {
- if `fill'[1,`j'] {
= if __00000A[1,3] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq'=="_" {
      di in red ``error'duplicate "'`entries for `name' found"'
    }
    else di in red ``error'""`duplicate entries for `eq':`name'
> found"'
  }
  exit 507
}
else if !missing(`new'[1,`j']) {
  matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1

```

```

= else mat __00000A[1,3] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,3] = __000008[1,3]
- }
- else if "`skip'"==" {
= else if ""==" {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 3 + 1
- }
- while `i' <= `dim' {
= while 4 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,4..4]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec "`eq':`name'"
= local spec "_:0b.cb_authors_ext#0b.vint_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:0b.cb_authors_ext#0b.vint_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.cb_authors_ext#0b.vint_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``0.cb_authors_ext#0.vint_late"'
- local ospec "`eq':`oname'"

```

```

= local ospec "_:0.cb_authors_ext#0.vint_late"
- }
- }
- `vv' local j = colnumb(`new',`""`spec'')
= version 18.5: local j = colnumb(__000009,`"_:0b.cb_authors_ext
> #0b.vint_late'')
- if `j' == . & ""`oname'" != "" {
= if 4 == . & "0.cb_authors_ext#0.vint_late" != "" {
`vv' local j = colnumb(`new',`""`ospec'')
}
- if `j' == . & ""`sspec'" != "" {
= if 4 == . & "/_:0b.cb_authors_ext#0b.vint_late" != "" {
`vv' local j = colnumb(`new',`""`sspec'')
}
- if `j'==. & ""`eq'""=="_" & ""`eq1'""!="" {
= if 4==. & ""`_"=="_" & ""`piq_timing_max:'""!="" {
`vv' local j = colnumb(`new',`""`eq1'`name'')
if `j' == . & ""`oname'" != "" {
`vv' local j = colnumb(`new',`""`eq1'`oname'')
}
}
- if `j'!=. {
= if 4!=. {
- if `fill'[1,`j'] {
= if __00000A[1,4] {
_ms_parse_parts `name'
if !r(omit) {
if ""`eq'""=="_" {
di in red ""`error'duplicate ""`entries for `name' found""
}
else di in red ""`error'""`duplicate entries for `eq':`name'
> found""
exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,4] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,4] = __000008[1,4]
- }
- else if ""`skip'""=="" {
= else if ""=="" {
if ""`eq'""=="_" {

```



```

        local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
}
- local i = `i' + 1
= local i = 4 + 1
- }
- while `i' <= `dim' {
= while 5 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,5..5]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq' == "/" {
= if "_" == "/" {
    local spec "/"`name'
}
- else {
- local spec ``eq':`name'
= local spec "_:0b.cb_authors_ext#1.vint_late"
- if (usubstr("eq",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'
= local sspec "/_:0b.cb_authors_ext#1.vint_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.cb_authors_ext#1.vint_late, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)''
    local ospec ``eq':`oname'
}
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.cb_authors_ext
> #1.vint_late'')
- if `j' == . & ``oname' != "" {
= if 5 == . & "" != "" {
    `vv' local j = colnumb(`new',``ospec'')

```

```

    }
- if `j' == . & "`sspec'" != "" {
= if 5 == . & "/_:0b.cb_authors_ext#1.vint_late" != "" {
  `vv' local j = colnumb(`new', "`sspec'")
}
- if `j'==. & "`eq'"=="_" & "`eq1'"!="" {
= if 5==. & "`_"=="_" & "`piq_timing_max:'"!="" {
  `vv' local j = colnumb(`new', "`eq1`name'")
  if `j' == . & "`oname'" != "" {
    `vv' local j = colnumb(`new', "`eq1`oname'")
  }
}
- if `j'!=. {
= if 5!=. {
- if `fill'[1,`j'] {
= if __00000A[1,5] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'"=="_" {
      di in red "`error'duplicate "' `"'entries for `name' found"'
    }
    else di in red "`error'" "`duplicate entries for `eq':`name'"
  }
}
}
exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,5] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,5] = __000008[1,5]
- }
- else if "`skip'"=="" {
= else if ""=="" {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red "`error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
exit 111
}
- local i = `i' + 1
= local i = 5 + 1
- }

```

```

- while `i' <= `dim' {
= while 6 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,6..6]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "10.cb_authors_ext#0b.vint_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/"10.cb_authors_ext#0b.vint_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.cb_authors_ext#0b.vint_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname `1.cb_authors_ext#0.vint_late"
- local ospec "`eq':`oname'"
= local ospec "1.cb_authors_ext#0.vint_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`10.cb_authors_ext
> #0b.vint_late'')
- if `j' == . & "`oname'" != "" {
= if 6 == . & "1.cb_authors_ext#0.vint_late" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & "`sspec'" != "" {
= if 6 == . & "/10.cb_authors_ext#0b.vint_late" != "" {
    `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 6==. & ``_'""=="_" & ``piq_timing_max:'""!="" {

```

```

`vv' local j = colnumb(`new', ``eq1'`name'`)
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new', ``eq1'`oname'`)
}
}
- if `j' != . {
= if 6 != . {
- if `fill'[1,`j'] {
= if __00000A[1,6] {
    _ms_parse_parts `name'
    if !r(omit) {
        if ``eq'=="_" {
            di in red ``error'duplicate "' ``entries for `name' found"'
        }
        else di in red ``error'""' ``duplicate entries for `eq':`name'
> found"'

        exit 507
    }
    else if !missing(`new'[1,`j']) {
        matrix `mat'[1,`i'] = `new'[1,`j']
    }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,6] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,6] = __000008[1,6]
- }
- else if ``skip'==" " {
= else if ""==" " {
    if ``eq'=="_" {
        local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
}
- local i = `i' + 1
= local i = 6 + 1
- }
- while `i' <= `dim' {
= while 7 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,7..7]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'

```

```

= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:10.cb_authors_ext#10.vint_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:10.cb_authors_ext#10.vint_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.cb_authors_ext#10.vint_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname `1.cb_authors_ext#1.vint_late'
- local ospec "`eq':`oname'"
= local ospec "_:1.cb_authors_ext#1.vint_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:10.cb_authors_ext
> #10.vint_late'')
- if `j' == . & "`oname'" != "" {
= if 7 == . & "1.cb_authors_ext#1.vint_late" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & "`sspec'" != "" {
= if 7 == . & "/_:10.cb_authors_ext#10.vint_late" != "" {
    `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ```eq'""=="_ & ```eq1'""!=" {
= if 7==. & ``_""=="_ & ``piq_timing_max:'"!=" {
    `vv' local j = colnumb(`new',```eq1'`name'')
    if `j' == . & "`oname'" != "" {
      `vv' local j = colnumb(`new',```eq1'`oname'')
    }
  }
- if `j'!=. {
= if 7!=. {

```

```

- if `fill'[1,`j'] {
= if __00000A[1,7] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'"=="_" {
      di in red `"'`error'duplicate "' `"'entries for `name' found"'
    }
    else di in red `"'`error'""' `"'duplicate entries for `eq':`name'
> found"'
    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,7] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,7] = __000008[1,7]
- }
- else if "`skip'"==" " {
= else if ""==" " {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red `"'`error'extra parameter "' `"'`spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 7 + 1
- }
- while `i' <= `dim' {
= while 8 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,8..8]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/"`name'
}
- else {
- local spec "`eq':`name'"

```

```

= local spec "_:0b.cb_authors_ext#0b.vint_mid"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:0b.cb_authors_ext#0b.vint_mid"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.cb_authors_ext#0b.vint_mid, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname ``0.cb_authors_ext#0.vint_mid"
- local ospec "`eq':`oname'"
= local ospec "_:0.cb_authors_ext#0.vint_mid"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.cb_authors_ext
> #0b.vint_mid'')
- if `j' == . & ``oname' != "" {
= if 8 == . & "0.cb_authors_ext#0.vint_mid" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 8 == . & "/_:0b.cb_authors_ext#0b.vint_mid" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 8==. & ``_"=="_" & `piq_timing_max:'!="" {
`vv' local j = colnumb(`new',``eq1`name'')
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new',``eq1`oname'')
}
}
- if `j'!=. {
= if 8!=. {
- if `fill'[1,`j'] {
= if __00000A[1,8] {
_ms_parse_parts `name'
if !r(omit) {
if "`eq'=="_" {
di in red ``error'duplicate "" `entries for `name' found"
}
}
}

```

```

else di in red ``error'' ``duplicate entries for `eq':`name'
> found''
    exit 507
}
else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,8] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,8] = __000008[1,8]
- }
- else if ``skip'')=="" {
= else if ""==" {
    if ``eq'')== "_" {
        local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
}
- local i = `i' + 1
= local i = 8 + 1
- }
- while `i' <= `dim' {
= while 9 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,9..9]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq'')== "/" {
= if "_" == "/" {
    local spec "/`name'"
}
- else {
- local spec ``eq':`name'"
= local spec "_:0b.cb_authors_ext#10.vint_mid"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:0b.cb_authors_ext#10.vint_mid"
- }
- }
}

```



```

- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.cb_authors_ext#1o.vint_mid, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'''
= local oname ``0.cb_authors_ext#1.vint_mid'''
- local ospec ``eq':`oname'''
= local ospec ``_:0.cb_authors_ext#1.vint_mid'''
- }
- }
- `vv' local j = colnumb(`new',``spec''')
= version 18.5: local j = colnumb(__000009,``_:0b.cb_authors_ext
> #1o.vint_mid''')
- if `j' == . & ``oname''' != "" {
= if 9 == . & "0.cb_authors_ext#1.vint_mid" != "" {
`vv' local j = colnumb(`new',``ospec''')
}
- if `j' == . & ``sspec''' != "" {
= if 9 == . & "/_:0b.cb_authors_ext#1o.vint_mid" != "" {
`vv' local j = colnumb(`new',``sspec''')
}
- if `j'==. & ``eq''''=="_" & ``eq1''''!="" {
= if 9==. & ``_''''=="_" & ``piq_timing_max:''''!="" {
`vv' local j = colnumb(`new',``eq1``name''')
if `j' == . & ``oname''' != "" {
`vv' local j = colnumb(`new',``eq1``oname''')
}
}
- if `j'!=. {
= if 9!=. {
- if `fill'[1,`j'] {
= if __00000A[1,9] {
_ms_parse_parts `name'
if !r(omit) {
if ``eq''''=="_" {
di in red ``error'duplicate "" ``entries for `name' found'''
}
else di in red ``error'''' ``duplicate entries for `eq':`name'
> found'''
exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}

```

```

    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,9] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,9] = __000008[1,9]
- }
- else if "`skip'"==" " {
= else if ""==" " {
    if "`eq'"=="_" {
        local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
}
- local i = `i' + 1
= local i = 9 + 1
- }
- while `i' <= `dim' {
= while 10 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,10..10]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'
}
- else {
- local spec "`eq':`name'"
= local spec "_:10.cb_authors_ext#0b.vint_mid"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:10.cb_authors_ext#0b.vint_mid"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.cb_authors_ext#0b.vint_mid, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''

```

```

= local oname `1.cb_authors_ext#0.vint_mid"
- local ospec "`eq':`oname"
= local ospec "_:1.cb_authors_ext#0.vint_mid"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:10.cb_authors_ext
> #0b.vint_mid")
- if `j' == . & "`oname" != "" {
= if 10 == . & "1.cb_authors_ext#0.vint_mid" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec" != "" {
= if 10 == . & "/_:10.cb_authors_ext#0b.vint_mid" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 10==. & `_"'=="_" & `piq_timing_max:'!="" {
`vv' local j = colnumb(`new',``eq1`name'')
if `j' == . & "`oname" != "" {
`vv' local j = colnumb(`new',``eq1`oname'')
}
}
- if `j'!=. {
= if 10!=. {
- if `fill'[1,`j'] {
= if __00000A[1,10] {
_ms_parse_parts `name'
if !r(omit) {
if "`eq'=="_" {
di in red ``error'duplicate "'`entries for `name' found"
}
else di in red ``error'""`duplicate entries for `eq':`name'
> found"

exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,10] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,10] = __000008[1,10]
- }
- else if "`skip'==" {

```

```

= else if ""==" {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 10 + 1
- }
- while `i' <= `dim' {
= while 11 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,11..11]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/"`name'
}
- else {
- local spec "`eq':`name'"
= local spec "_:10.cb_authors_ext#10.vint_mid"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:10.cb_authors_ext#10.vint_mid"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.cb_authors_ext#10.vint_mid, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname `1.cb_authors_ext#1.vint_mid'
- local ospec "`eq':`oname'"
= local ospec "_:1.cb_authors_ext#1.vint_mid"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:10.cb_authors_ext

```

```

> #10.vint_mid''')
- if `j' == . & ""`oname'" != "" {
= if 11 == . & "1.cb_authors_ext#1.vint_mid" != "" {
  `vv' local j = colnumb(`new',`""`ospec'')
}
- if `j' == . & ""`sspec'" != "" {
= if 11 == . & "/_:10.cb_authors_ext#10.vint_mid" != "" {
  `vv' local j = colnumb(`new',`""`sspec'')
}
- if `j'==. & ""`eq'""=="_" & ""`eq1'""!=""" {
= if 11==. & ""`_"'""=="_" & ""`piq_timing_max:'""!=""" {
  `vv' local j = colnumb(`new',`""`eq1'`name'')
  if `j' == . & ""`oname'" != "" {
    `vv' local j = colnumb(`new',`""`eq1'`oname'')
  }
}
- if `j'!=. {
= if 11!=. {
- if `fill'[1,`j'] {
= if __00000A[1,11] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ""`eq'""=="_" {
      di in red ""`error'duplicate "'`"entries for `name' found""
    }
    else di in red ""`error'""'`"duplicate entries for `eq':`name'
> found""'

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,11] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,11] = __000008[1,11]
- }
- else if ""`skip'""=="" {
= else if ""=="" {
  if ""`eq'""=="_" {
    local spec : copy local name
  }
  di in red ""`error'extra parameter "'`"spec' found"" _n "spe
> cify skip option if necessary"
  exit 111

```

```

    }
- local i = `i' + 1
= local i = 11 + 1
- }
- while `i' <= `dim' {
= while 12 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,12..12]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
    }
- else {
- local spec "`eq':`name'"
= local spec "_:ln_neq"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:ln_neq"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse ln_neq, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)'"
    local ospec "`eq':`oname'"
    }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:ln_neq'')
- if `j' == . & ``oname'" != "" {
= if 12 == . & "" != "" {
    `vv' local j = colnumb(`new',``ospec'')
    }
- if `j' == . & ``sspec'" != "" {
= if 12 == . & "/_:ln_neq" != "" {
    `vv' local j = colnumb(`new',``sspec'')
    }
- if `j'==. & ``eq'"=="_" & ``eq1'"!="" {

```

```

= if 12==. & ``_''=="_" & ``piq_timing_max:''!="" {
  `vv' local j = colnumb(`new',``eq1''name'')
  if `j' == . & ``oname'' != "" {
    `vv' local j = colnumb(`new',``eq1''oname'')
  }
}
- if `j'!=. {
= if 12!=. {
- if `fill'[1,`j'] {
= if __00000A[1,12] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq''=="_" {
      di in red ``error'duplicate '' ``entries for `name' found''
    }
    else di in red ``error'' ``duplicate entries for `eq':`name'
> found''

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,12] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,12] = __000008[1,12]
- }
- else if ``skip''=="" {
= else if ""=="" {
  if ``eq''=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter '' ``spec' found'' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 12 + 1
- }
- while `i' <= `dim' {
= while 13 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,13..13]
- local eq : coleq `x'
= local eq : coleq __00000B

```

```

- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:0b.vint_mid#0b.est_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:0b.vint_mid#0b.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.vint_mid#0b.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname ``0.vint_mid#0.est_early''
- local ospec "`eq':`oname'"
= local ospec "_:0.vint_mid#0.est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.vint_mid#0b.es
> t_early'')
- if `j' == . & "`oname'" != "" {
= if 13 == . & "0.vint_mid#0.est_early" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec'" != "" {
= if 13 == . & "/_:0b.vint_mid#0b.est_early" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 13==. & ``_""=="_" & ``piq_timing_max:""!="" {
`vv' local j = colnumb(`new',``eq1``name'')
if `j' == . & "`oname'" != "" {
`vv' local j = colnumb(`new',``eq1``oname'')
}
}
- if `j'!=. {

```



```

= if 13!=. {
- if `fill'[1,`j'] {
= if __00000A[1,13] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'"=="_" {
      di in red ``error'duplicate "' `"'entries for `name' found"'
    }
    else di in red ``error'""' `"'duplicate entries for `eq':`name'
> found"'

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,13] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,13] = __000008[1,13]
- }
- else if "`skip'"==" " {
= else if ""==" " {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 13 + 1
- }
- while `i' <= `dim' {
= while 14 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,14..14]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {

```

```

- local spec "`eq':`name'"
= local spec "_:0b.vint_mid#1.est_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:0b.vint_mid#1.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.vint_mid#1.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)''
    local ospec "`eq':`oname'"
  }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.vint_mid#1.est
> _early'')
- if `j' == . & ``oname' != "" {
= if 14 == . & "" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 14 == . & "/_:0b.vint_mid#1.est_early" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 14==. & ``_'=="_" & ``piq_timing_max:'!="" {
  `vv' local j = colnumb(`new',``eq1`name'')
  if `j' == . & ``oname' != "" {
    `vv' local j = colnumb(`new',``eq1`oname'')
  }
}
- if `j'!=. {
= if 14!=. {
- if `fill'[1,`j'] {
= if __00000A[1,14] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'=="_" {
      di in red ``error'duplicate '' ``entries for `name' found''
    }
    else di in red ``error'' ``duplicate entries for `eq':`name'

```

```

> found''
    exit 507
    }
    else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,14] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,14] = __000008[1,14]
- }
- else if ``skip'""=="" {
= else if ""=="" {
    if ``eq'""=="_" {
    local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 14 + 1
- }
- while `i' <= `dim' {
= while 15 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,15..15]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq'"" == "/" {
= if "_" == "/" {
    local spec "/"`name'""
    }
- else {
- local spec ``eq':`name'""
= local spec "_:10.vint_mid#0b.est_early"
- if (usubstr(`eq'"" ,1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'""
= local sspec "/"_:10.vint_mid#0b.est_early"
- }
- }
- local oname

```

```

- local ospec
- capture _msparse `name', noomit
= capture _msparse 1o.vint_mid#0b.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'''
= local oname ``1.vint_mid#0.est_early'''
- local ospec ``eq':`oname'''
= local ospec ``_:1.vint_mid#0.est_early'''
- }
- }
- `vv' local j = colnumb(`new',``spec''')
= version 18.5: local j = colnumb(__000009,``_:1o.vint_mid#0b.es
> t_early''')
- if `j' == . & ``oname''' != "" {
= if 15 == . & "1.vint_mid#0.est_early" != "" {
`vv' local j = colnumb(`new',``ospec''')
}
- if `j' == . & ``sspec''' != "" {
= if 15 == . & "/_:1o.vint_mid#0b.est_early" != "" {
`vv' local j = colnumb(`new',``sspec''')
}
- if `j'==. & ``eq'''=="_" & ``eq1'''!="" {
= if 15==. & ``_'=="_" & ``piq_timing_max:'''!="" {
`vv' local j = colnumb(`new',``eq1``name''')
if `j' == . & ``oname''' != "" {
`vv' local j = colnumb(`new',``eq1``oname''')
}
}
- if `j'!=. {
= if 15!=. {
- if `fill'[1,`j'] {
= if __00000A[1,15] {
_ms_parse_parts `name'
if !r(omit) {
if ``eq'''=="_" {
di in red ``error'duplicate "'`entries for `name' found'''
}
else di in red ``error''''`duplicate entries for `eq':`name'
> found'''

exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
}

```

```

- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,15] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,15] = __000008[1,15]
- }
- else if ``skip'""=="" {
= else if ""=="" {
  if ``eq'""=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 15 + 1
- }
- while `i' <= `dim' {
= while 16 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,16..16]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq'"" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec ``eq':`name'"
= local spec "_.vint_mid#10.est_early"
- if (usubstr("eq",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_.vint_mid#10.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.vint_mid#10.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``1.vint_mid#1.est_early'"

```

```

- local ospec "`eq':`oname'"
= local ospec "_:1.vint_mid#1.est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:1o.vint_mid#1o.es
> t_early'')
- if `j' == . & ``oname' != "" {
= if 16 == . & "1.vint_mid#1.est_early" != "" {
  `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & ``sspec' != "" {
= if 16 == . & "/_:1o.vint_mid#1o.est_early" != "" {
  `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 16==. & ``_"=="_" & ``piq_timing_max:'!="" {
  `vv' local j = colnumb(`new',``eq1``name'')
  if `j' == . & ``oname' != "" {
    `vv' local j = colnumb(`new',``eq1``oname'')
  }
}
- if `j'!=. {
= if 16!=. {
- if `fill'[1,`j'] {
= if __00000A[1,16] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'=="_" {
      di in red ``error'duplicate "' `entries for `name' found"'
    }
    else di in red ``error'"" `duplicate entries for `eq':`name'
> found"'
  }
  exit 507
}
else if !missing(`new'[1,`j']) {
  matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,16] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,16] = __000008[1,16]
- }
- else if ``skip'==" " {
= else if ""==" " {

```

```

        if "`eq'"=="_" {
            local spec : copy local name
        }
        di in red `"'error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
        exit 111
    }
    - local i = `i' + 1
    = local i = 16 + 1
    - }
    - while `i' <= `dim' {
    = while 17 <= 43 {
    - mat `x' = `mat'[1,`i'..`i']
    = mat __00000B = __000008[1,17..17]
    - local eq : coleq `x'
    = local eq : coleq __00000B
    - local name : colname `x'
    = local name : colname __00000B
    - if "`eq'" == "/" {
    = if "_" == "/" {
        local spec "/"`name'"
    }
    - else {
    - local spec "`eq':`name'"
    = local spec "_:est_late"
    - if (usubstr("`eq'",1,1) != "/") {
    = if (usubstr("_",1,1) != "/") {
    - local sspec "/"`eq':`name'"
    = local sspec "/_:est_late"
    - }
    - }
    - local oname
    - local ospec
    - capture _msparse `name', noomit
    = capture _msparse est_late, noomit
    - if c(rc) == 0 {
    - if r(omit) {
        local oname `"'r(stripe)'"
        local ospec "`eq':`oname'"
    }
    - }
    - `vv' local j = colnumb(`new',`"'spec'")
    = version 18.5: local j = colnumb(__000009,`"_:est_late")
    - if `j' == . & "`oname'" != "" {
    = if 17 == . & "" != "" {
        `vv' local j = colnumb(`new',`"'ospec'")

```

```

    }
- if `j' == . & "`sspec'" != "" {
= if 17 == . & "/_:est_late" != "" {
    `vv' local j = colnumb(`new', "`sspec'")
    }
- if `j'==. & "`eq'"=="_" & "`eq1'"!="" {
= if 17==. & "`_"=="_" & "`piq_timing_max:'"!="" {
    `vv' local j = colnumb(`new', "`eq1`name'")
    if `j' == . & "`oname'" != "" {
        `vv' local j = colnumb(`new', "`eq1`oname'")
    }
    }
- if `j'!=. {
= if 17!=. {
- if `fill'[1,`j'] {
= if __00000A[1,17] {
    _ms_parse_parts `name'
    if !r(omit) {
        if "`eq'"=="_" {
            di in red "`error'duplicate "' `"'entries for `name' found"'
        }
        else di in red "`error'"' "duplicate entries for `eq':`name'
> found"'

    exit 507
    }
    else if !missing(`new'[1,`j']) {
        matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,17] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,17] = __000008[1,17]
- }
- else if "`skip'"=="" {
= else if ""=="" {
    if "`eq'"=="_" {
        local spec : copy local name
    }
    di in red "`error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 17 + 1
- }

```



```

- while `i' <= `dim' {
= while 18 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,18..18]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:o.est_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:o.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse o.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname `est_early'"
- local ospec "`eq':`oname'"
= local ospec "_:est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:o.est_early'')
- if `j' == . & "`oname'" != "" {
= if 18 == . & "est_early" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & "`sspec'" != "" {
= if 18 == . & "/_:o.est_early" != "" {
    `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 18==. & `_"'=="_" & `piq_timing_max:'""!="" {
    `vv' local j = colnumb(`new',``eq1'`name'')

```

```

        if `j' == . & "`oname'" != "" {
            `vv' local j = colnumb(`new', "`eq1'"`oname'")
        }
    }
- if `j'!=. {
= if 18!=. {
- if `fill'[1,`j'] {
= if __00000A[1,18] {
    _ms_parse_parts `name'
    if !r(omit) {
        if "`eq'"=="_" {
            di in red ``error'duplicate "'`entries for `name' found"'
        }
        else di in red ``error'"' `duplicate entries for `eq':`name'
> found"'
    }
    exit 507
}
else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,18] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,18] = __000008[1,18]
- }
- else if "`skip'"==" {
= else if ""==" {
    if "`eq'"=="_" {
        local spec : copy local name
    }
    di in red ``error'extra parameter "'`spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
}
- local i = `i' + 1
= local i = 18 + 1
- }
- while `i' <= `dim' {
= while 19 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,19..19]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B

```

```

- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'
}
- else {
- local spec "`eq':`name'"
= local spec "_:0b.vint_late#0b.est_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:0b.vint_late#0b.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.vint_late#0b.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname ``0.vint_late#0.est_early'
- local ospec "`eq':`oname'"
= local ospec "_:0.vint_late#0.est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.vint_late#0b.e
> st_early'')
- if `j' == . & ``oname' != "" {
= if 19 == . & "0.vint_late#0.est_early" != "" {
    `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 19 == . & "/_:0b.vint_late#0b.est_early" != "" {
    `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 19==. & ``_'=="_" & ``piq_timing_max:'!="" {
    `vv' local j = colnumb(`new',``eq1`name'')
    if `j' == . & ``oname' != "" {
        `vv' local j = colnumb(`new',``eq1`oname'')
    }
}
- if `j'!=. {
= if 19!=. {
- if `fill'[1,`j'] {

```

```

= if __00000A[1,19] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'"=="_" {
      di in red ``error'duplicate "' `"'entries for `name' found"'
    }
    else di in red ``error'''' ``duplicate entries for `eq':`name'
> found"'
    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,19] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,19] = __000008[1,19]
- }
- else if "`skip'"==" " {
= else if ""==" " {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 19 + 1
- }
- while `i' <= `dim' {
= while 20 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,20..20]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec "`eq':`name'"
= local spec ":_0b.vint_late#1o.est_early"

```

```

- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:#0b.vint_late#10.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.vint_late#10.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname ``0.vint_late#1.est_early"
- local ospec ``eq':`oname'"
= local ospec "_:0.vint_late#1.est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.vint_late#10.e
> st_early'')
- if `j' == . & ``oname'" != "" {
= if 20 == . & "0.vint_late#1.est_early" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec'" != "" {
= if 20 == . & "/_:#0b.vint_late#10.est_early" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 20==. & ``_""=="_" & ``piq_timing_max:'""!="" {
`vv' local j = colnumb(`new',``eq1``name'')
if `j' == . & ``oname'" != "" {
`vv' local j = colnumb(`new',``eq1``oname'')
}
}
- if `j'!=. {
= if 20!=. {
- if `fill'[1,`j'] {
= if __00000A[1,20] {
_ms_parse_parts `name'
if !r(omit) {
if "`eq'""=="_" {
di in red ``error'duplicate "" ``entries for `name' found"
}
else di in red ``error'"" ``duplicate entries for `eq':`name'

```

```

> found''
    exit 507
    }
    else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,20] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,20] = __000008[1,20]
- }
- else if "`skip'"=="" {
= else if ""=="" {
    if "`eq'"=="_" {
    local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 20 + 1
- }
- while `i' <= `dim' {
= while 21 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,21..21]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
    }
- else {
- local spec "`eq':`name'"
= local spec "_:10.vint_late#0b.est_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:10.vint_late#0b.est_early"
- }
- }
- local oname

```

```

- local ospec
- capture _msparse `name', noomit
= capture _msparse 1o.vint_late#0b.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname ``1.vint_late#0.est_early''
- local ospec ``eq':`oname''
= local ospec ``_:1.vint_late#0.est_early''
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:1o.vint_late#0b.e
> st_early'')
- if `j' == . & ``oname'' != "" {
= if 21 == . & "1.vint_late#0.est_early" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``spec'' != "" {
= if 21 == . & "/_:1o.vint_late#0b.est_early" != "" {
`vv' local j = colnumb(`new',``spec'')
}
- if `j'==. & ``eq''=="_" & ``eq1''!="" {
= if 21==. & ``_'=="_" & ``piq_timing_max:''!="" {
`vv' local j = colnumb(`new',``eq1`name'')
if `j' == . & ``oname'' != "" {
`vv' local j = colnumb(`new',``eq1`oname'')
}
}
- if `j'!=. {
= if 21!=. {
- if `fill'[1,`j'] {
= if __00000A[1,21] {
_ms_parse_parts `name'
if !r(omit) {
if ``eq''=="_" {
di in red ``error'duplicate '' ``entries for `name' found''
}
else di in red ``error'' ``duplicate entries for `eq':`name'
> found''

exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
}

```

```

- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,21] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,21] = __000008[1,21]
- }
- else if ``skip'""=="" {
= else if ""=="" {
  if ``eq'""=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 21 + 1
- }
- while `i' <= `dim' {
= while 22 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,22..22]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq'"" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec ``eq':`name'"
= local spec "_:10.vint_late#10.est_early"
- if (usubstr("eq",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:10.vint_late#10.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.vint_late#10.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``1.vint_late#1.est_early'"

```



```

- local ospec "`eq':`oname'"
= local ospec "_:1.vint_late#1.est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:10.vint_late#10.e
> st_early'')
- if `j' == . & ``oname' != "" {
= if 22 == . & "1.vint_late#1.est_early" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 22 == . & "/_:10.vint_late#10.est_early" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 22==. & ``_"=="_" & ``piq_timing_max:'!="" {
`vv' local j = colnumb(`new',``eq1``name'')
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new',``eq1``oname'')
}
}
- if `j'!=. {
= if 22!=. {
- if `fill'[1,`j'] {
= if __00000A[1,22] {
_ms_parse_parts `name'
if !r(omit) {
if ``eq'=="_" {
di in red ``error'duplicate "" ``entries for `name' found"
}
else di in red ``error'"" ``duplicate entries for `eq':`name'
> found"

exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,22] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,22] = __000008[1,22]
- }
- else if ``skip'==" " {
= else if ""==" " {

```

```

        if "`eq'"=="_" {
            local spec : copy local name
        }
        di in red `"'error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
        exit 111
    }
    - local i = `i' + 1
    = local i = 22 + 1
    - }
    - while `i' <= `dim' {
    = while 23 <= 43 {
    - mat `x' = `mat'[1,`i'..`i']
    = mat __00000B = __000008[1,23..23]
    - local eq : coleq `x'
    = local eq : coleq __00000B
    - local name : colname `x'
    = local name : colname __00000B
    - if "`eq'" == "/" {
    = if "_" == "/" {
        local spec "/"`name'"
    }
    - else {
    - local spec "`eq':`name'"
    = local spec "_:0b.vint_late#0b.est_late"
    - if (usubstr("`eq'",1,1) != "/") {
    = if (usubstr("_",1,1) != "/") {
    - local sspec "/"`eq':`name'"
    = local sspec "/_:0b.vint_late#0b.est_late"
    - }
    - }
    - local oname
    - local ospec
    - capture _msparse `name', noomit
    = capture _msparse 0b.vint_late#0b.est_late, noomit
    - if c(rc) == 0 {
    - if r(omit) {
    - local oname `"'r(stripe)'"
    = local oname `"0.vint_late#0.est_late"'
    - local ospec "`eq':`oname'"
    = local ospec "_:0.vint_late#0.est_late"
    - }
    - }
    - `vv' local j = colnumb(`new',`"'spec'")
    = version 18.5: local j = colnumb(__000009,`"_:0b.vint_late#0b.e
> st_late"'')

```

```

- if `j' == . & "`oname'" != "" {
= if 23 == . & "0.vint_late#0.est_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec'" != "" {
= if 23 == . & "/_:#0b.vint_late#0b.est_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 23==. & ``_'""=="_" & ``piq_timing_max:'""!="" {
  `vv' local j = colnumb(`new',``eq1'`name'')
  if `j' == . & "`oname'" != "" {
    `vv' local j = colnumb(`new',``eq1'`oname'')
  }
}
- if `j'!=. {
= if 23!=. {
- if `fill'[1,`j'] {
= if __00000A[1,23] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'""=="_" {
      di in red ``error'duplicate "' `entries for `name' found"'
    }
    else di in red ``error'"" `duplicate entries for `eq':`name'
> found"'
  }
  exit 507
}
else if !missing(`new'[1,`j']) {
  matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,23] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,23] = __000008[1,23]
- }
- else if "`skip'""="" {
= else if ""="" {
  if "`eq'""=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}

```

```

- local i = `i' + 1
= local i = 23 + 1
- }
- while `i' <= `dim' {
= while 24 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,24..24]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:0b.vint_late#10.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:0b.vint_late#10.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.vint_late#10.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``0.vint_late#1.est_late'"
- local ospec "`eq':`oname'"
= local ospec "_:0.vint_late#1.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.vint_late#10.e
> st_late'')
- if `j' == . & "`oname'" != "" {
= if 24 == . & "0.vint_late#1.est_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec'" != "" {
= if 24 == . & "/_:0b.vint_late#10.est_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}

```

```

    }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 24==. & `_'=="_" & `piq_timing_max:'!="" {
  `vv' local j = colnum(`new',``eq1'`name'`)
  if `j' == . & `oname' != "" {
    `vv' local j = colnum(`new',``eq1'`oname'`)
  }
}
- if `j'!=. {
= if 24!=. {
- if `fill'[1,`j'] {
= if __00000A[1,24] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq'=="_" {
      di in red ``error'duplicate "' `entries for `name' found"'
    }
    else di in red ``error'"" `duplicate entries for `eq':`name'
> found"'

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,24] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,24] = __000008[1,24]
- }
- else if ``skip'==" " {
= else if ""==" " {
  if ``eq'=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 24 + 1
- }
- while `i' <= `dim' {
= while 25 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,25..25]

```

```

- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_.vint_late#0b.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "_.vint_late#0b.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.vint_late#0b.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname `1.vint_late#0.est_late'
- local ospec "`eq':`oname'"
= local ospec "_.vint_late#0.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_.vint_late#0b.e
> st_late'')
- if `j' == . & "`oname'" != "" {
= if 25 == . & "1.vint_late#0.est_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec'" != "" {
= if 25 == . & "_.vint_late#0b.est_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!='' {
= if 25==. & ``_'=="_" & ``piq_timing_max:'!='' {
  `vv' local j = colnumb(`new',``eq1`name'')
  if `j' == . & "`oname'" != "" {
    `vv' local j = colnumb(`new',``eq1`oname'')
  }
}

```

```

    }
- if `j'!=. {
= if 25!=. {
- if `fill'[1,`j'] {
= if __00000A[1,25] {
    _ms_parse_parts `name'
    if !r(omit) {
    if "`eq'"=="_" {
    di in red `"'error'duplicate "' `"'entries for `name' found"'
    }
    else di in red `"'error'"'"' `"'duplicate entries for `eq':`name'
> found"'

    exit 507
    }
    else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,25] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,25] = __000008[1,25]
- }
- else if "`skip'"==" " {
= else if ""==" " {
    if "`eq'"=="_" {
    local spec : copy local name
    }
    di in red `"'error'extra parameter "' `"'`spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 25 + 1
- }
- while `i' <= `dim' {
= while 26 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,26..26]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/`name'"

```

```

    }
- else {
- local spec "`eq':`name'"
= local spec "_:10.vint_late#10.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:10.vint_late#10.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.vint_late#10.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname `1.vint_late#1.est_late'
- local ospec "`eq':`oname'"
= local ospec "_:1.vint_late#1.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:10.vint_late#10.e
> st_late'')
- if `j' == . & ``oname' != "" {
= if 26 == . & "1.vint_late#1.est_late" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 26 == . & "/_:10.vint_late#10.est_late" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!='' {
= if 26==. & ``_'=="_" & ``piq_timing_max:'!='' {
`vv' local j = colnumb(`new',``eq1`name'')
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new',``eq1`oname'')
}
}
- if `j'!=. {
= if 26!=. {
- if `fill'[1,`j'] {
= if __00000A[1,26] {
_ms_parse_parts `name'
if !r(omit) {

```



```

        if "`eq'"=="_" {
        di in red `"'error'duplicate "' `"'entries for `name' found"'
        }
        else di in red `"'error'"' `"'duplicate entries for `eq':`name'
> found"'

        exit 507
    }
    else if !missing(`new'[1,`j']) {
        matrix `mat'[1,`i'] = `new'[1,`j']
    }
}

- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,26] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,26] = __000008[1,26]
- }

- else if "`skip'"==" " {
= else if ""==" " {
    if "`eq'"=="_" {
        local spec : copy local name
    }
    di in red `"'error'extra parameter "' `"'`spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
}

- local i = `i' + 1
= local i = 26 + 1
- }

- while `i' <= `dim' {
= while 27 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,27..27]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/`name'"
}
- else {
- local spec "`eq':`name'"
= local spec "_:vint_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"

```

```

= local sspec "/_:vint_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse vint_early, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)'''
    local ospec ``eq':`oname'''
  }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:vint_early'')
- if `j' == . & ``oname''' != "" {
= if 27 == . & "" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec''' != "" {
= if 27 == . & "/_:vint_early" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'''=="_" & ``eq1'''!="" {
= if 27==. & ``_'=="_" & ``piq_timing_max:'!="" {
  `vv' local j = colnumb(`new',``eq1``name'')
  if `j' == . & ``oname''' != "" {
    `vv' local j = colnumb(`new',``eq1``oname'')
  }
}
- if `j'!=. {
= if 27!=. {
- if `fill'[1,`j'] {
= if __00000A[1,27] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq'''=="_" {
      di in red ``error'duplicate "'`"entries for `name' found"'
    }
    else di in red ``error''''`duplicate entries for `eq':`name'
> found'''

  exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}

```

```

    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,27] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,27] = __000008[1,27]
- }
- else if "`skip'"==" {
= else if ""==" {
    if "`eq'"=="_" {
        local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
}
- local i = `i' + 1
= local i = 27 + 1
- }
- while `i' <= `dim' {
= while 28 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,28..28]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'
}
- else {
- local spec "`eq':`name'
= local spec "_:cb_authors_ext"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'
= local sspec "_:cb_authors_ext"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse cb_authors_ext, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)''

```

```

        local ospec ``eq':`name'
    }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:cb_authors_ext'')
- if `j' == . & ``name' != '' {
= if 28 == . & '' != '' {
    `vv' local j = colnumb(`new',``ospec'')
    }
- if `j' == . & ``sspec' != '' {
= if 28 == . & "/_:cb_authors_ext" != '' {
    `vv' local j = colnumb(`new',``sspec'')
    }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 28==. & ``_'=="_" & ``piq_timing_max:'!="" {
    `vv' local j = colnumb(`new',``eq1'`name'')
    if `j' == . & ``name' != '' {
        `vv' local j = colnumb(`new',``eq1'`name'')
    }
    }
- if `j'!=. {
= if 28!=. {
- if `fill'[1,`j'] {
= if __00000A[1,28] {
    _ms_parse_parts `name'
    if !r(omit) {
        if ``eq'=="_" {
            di in red ``error'duplicate '' ``entries for `name' found''
        }
        else di in red ``error'' ``duplicate entries for `eq':`name'
> found''
    }
    exit 507
    }
    else if !missing(`new'[1,`j']) {
        matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,28] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,28] = __000008[1,28]
- }
- else if ``skip'=='' {
= else if ''=='' {
    if ``eq'=="_" {
        local spec : copy local name

```

```

    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
  }
  - local i = `i' + 1
  = local i = 28 + 1
  - }
  - while `i' <= `dim' {
  = while 29 <= 43 {
  - mat `x' = `mat'[1,`i'..`i']
  = mat __00000B = __000008[1,29..29]
  - local eq : coleq `x'
  = local eq : coleq __00000B
  - local name : colname `x'
  = local name : colname __00000B
  - if "`eq'" == "/" {
  = if "_" == "/" {
    local spec "/`name'"
  }
  - else {
  - local spec "`eq':`name'"
  = local spec "_:0b.vint_mid#0b.est_late"
  - if (usubstr("`eq'",1,1) != "/") {
  = if (usubstr("_",1,1) != "/") {
  - local sspec "/`eq':`name'"
  = local sspec "/_:0b.vint_mid#0b.est_late"
  - }
  - }
  - local oname
  - local ospec
  - capture _msparse `name', noomit
  = capture _msparse 0b.vint_mid#0b.est_late, noomit
  - if c(rc) == 0 {
  - if r(omit) {
  - local oname ``r(stripe)'"
  = local oname ``0.vint_mid#0.est_late'"
  - local ospec "`eq':`oname'"
  = local ospec "_:0.vint_mid#0.est_late"
  - }
  - }
  - `vv' local j = colnumb(`new',``spec'')
  = version 18.5: local j = colnumb(__000009,`_:0b.vint_mid#0b.es
> t_late'')
  - if `j' == . & "`oname'" != "" {
  = if 29 == . & "0.vint_mid#0.est_late" != "" {

```

```

        `vv' local j = colnumb(`new',``ospec'')
    }
- if `j' == . & ``sspec' != "" {
= if 29 == . & "/_#0b.vint_mid#0b.est_late" != "" {
    `vv' local j = colnumb(`new',``sspec'')
    }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 29==. & ``_'=="_" & ``piq_timing_max:'!="" {
    `vv' local j = colnumb(`new',``eq1'`name'')
    if `j' == . & ``oname' != "" {
        `vv' local j = colnumb(`new',``eq1'`oname'')
    }
    }
- if `j'!=. {
= if 29!=. {
- if `fill'[1,`j'] {
= if __00000A[1,29] {
    _ms_parse_parts `name'
    if !r(omit) {
        if ``eq'=="_" {
            di in red ``error'duplicate "' ``entries for `name' found"'
        }
        else di in red ``error'`` "duplicate entries for `eq':`name'
> found"'
        exit 507
    }
    else if !missing(`new'[1,`j']) {
        matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,29] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,29] = __000008[1,29]
- }
- else if ``skip'==" " {
= else if ""==" " {
    if ``eq'=="_" {
        local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 29 + 1

```

```

- }
- while `i' <= `dim' {
= while 30 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,30..30]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:0b.vint_mid#1o.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:0b.vint_mid#1o.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.vint_mid#1o.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``0.vint_mid#1.est_late'"
- local ospec "`eq':`oname'"
= local ospec "_:0.vint_mid#1.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.vint_mid#1o.es
> t_late'')
- if `j' == . & "`oname'" != "" {
= if 30 == . & "0.vint_mid#1.est_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec'" != "" {
= if 30 == . & "/_:0b.vint_mid#1o.est_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {

```

```

= if 30==. & ``_''==''_'' & ``piq_timing_max:''!='' {
  `vv' local j = colnumb(`new',``eq1''name'')
  if `j' == . & ``oname'' != '' {
    `vv' local j = colnumb(`new',``eq1''oname'')
  }
}
- if `j'!=. {
= if 30!=. {
- if `fill'[1,`j'] {
= if __00000A[1,30] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq''==''_'' {
      di in red ``error'duplicate '' ``entries for `name' found''
    }
    else di in red ``error'' ``duplicate entries for `eq':`name'
> found''

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,30] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,30] = __000008[1,30]
- }
- else if ``skip''=='' {
= else if ""=="" {
  if ``eq''==''_'' {
    local spec : copy local name
  }
  di in red ``error'extra parameter '' ``spec' found'' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 30 + 1
- }
- while `i' <= `dim' {
= while 31 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,31..31]
- local eq : coleq `x'
= local eq : coleq __00000B

```



```

- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:1o.vint_mid#0b.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "_:1o.vint_mid#0b.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 1o.vint_mid#0b.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname ``1.vint_mid#0.est_late"
- local ospec "`eq':`oname'"
= local ospec "_:1.vint_mid#0.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:1o.vint_mid#0b.es
> t_late'')
- if `j' == . & "`oname'" != "" {
= if 31 == . & "1.vint_mid#0.est_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec'" != "" {
= if 31 == . & "_:1o.vint_mid#0b.est_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 31==. & ``_""=="_" & ``piq_timing_max:""!="" {
  `vv' local j = colnumb(`new',``eq1``name'')
  if `j' == . & "`oname'" != "" {
    `vv' local j = colnumb(`new',``eq1``oname'')
  }
}
- if `j'!=. {

```

```

= if 31!=. {
- if `fill'[1,`j'] {
= if __00000A[1,31] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'"=="_" {
      di in red ``error'duplicate "' `entries for `name' found"'
    }
    else di in red ``error'""' `duplicate entries for `eq':`name'
> found"'

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,31] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,31] = __000008[1,31]
- }
- else if "`skip'"==" " {
= else if ""==" " {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' `spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 31 + 1
- }
- while `i' <= `dim' {
= while 32 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,32..32]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/"`name'
}
- else {

```

```

- local spec "`eq':`name'"
= local spec "_:10.vint_mid#10.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:10.vint_mid#10.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.vint_mid#10.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname `1.vint_mid#1.est_late'
- local ospec "`eq':`oname'"
= local ospec "_:1.vint_mid#1.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:10.vint_mid#10.es
> t_late'')
- if `j' == . & ``oname' != "" {
= if 32 == . & "1.vint_mid#1.est_late" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 32 == . & "/_:10.vint_mid#10.est_late" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 32==. & ``_'=="_" & ``piq_timing_max:'!="" {
`vv' local j = colnumb(`new',``eq1``name'')
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new',``eq1``oname'')
}
}
- if `j'!=. {
= if 32!=. {
- if `fill'[1,`j'] {
= if __00000A[1,32] {
_ms_parse_parts `name'
if !r(omit) {
if "`eq'=="_" {
di in red ``error'duplicate '' ``entries for `name' found''

```

```

    }
    else di in red ``error'' ``duplicate entries for `eq':`name'
> found''
    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
  }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,32] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,32] = __000008[1,32]
- }
- else if ``skip'')=="" {
= else if ""==" {
  if ``eq'')== "_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 32 + 1
- }
- while `i' <= `dim' {
= while 33 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,33..33]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq'')== "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec ``eq':`name'"
= local spec "_:vint_mid"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:vint_mid"
- }

```

```

- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse vint_mid, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)'''
    local ospec ``eq':`name'''
  }
- }
- `vv' local j = colnumb(`new',``spec''')
= version 18.5: local j = colnumb(__000009,``_:vint_mid'')
- if `j' == . & ``name''' != "" {
= if 33 == . & "" != "" {
  `vv' local j = colnumb(`new',``ospec''')
}
- if `j' == . & ``sspec''' != "" {
= if 33 == . & "/_:vint_mid" != "" {
  `vv' local j = colnumb(`new',``sspec''')
}
- if `j'==. & ``eq'''=="_" & ``eq1'''!="" {
= if 33==. & ``_'=="_" & ``piq_timing_max:''!="" {
  `vv' local j = colnumb(`new',``eq1``name''')
  if `j' == . & ``name''' != "" {
    `vv' local j = colnumb(`new',``eq1``name''')
  }
}
- if `j'!=. {
= if 33!=. {
- if `fill'[1,`j'] {
= if __00000A[1,33] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq'''=="_" {
      di in red ``error'duplicate "'`entries for `name' found"'
    }
    else di in red ``error''''`duplicate entries for `eq':`name'
> found"'
  }
  exit 507
}
else if !missing(`new'[1,`j']) {
  matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1

```

```

= else mat __00000A[1,33] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,33] = __000008[1,33]
- }
- else if "`skip'"==" {
= else if ""==" {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 33 + 1
- }
- while `i' <= `dim' {
= while 34 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,34..34]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec "`eq':`name'"
= local spec "_.vint_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "_.vint_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse o.vint_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``vint_late'"
- local ospec "`eq':`oname'"

```

```

= local ospec "_:vint_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:o.vint_late'')
- if `j' == . & ``oname' != "" {
= if 34 == . & "vint_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & ``sspec' != "" {
= if 34 == . & "/_:o.vint_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 34==. & ``_'=="_" & ``piq_timing_max:'!="" {
  `vv' local j = colnumb(`new',``eq1'`name'')
  if `j' == . & ``oname' != "" {
    `vv' local j = colnumb(`new',``eq1'`oname'')
  }
  }
- if `j'!=. {
= if 34!=. {
- if `fill'[1,`j'] {
= if __00000A[1,34] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq'=="_" {
      di in red ``error'duplicate " " `entries for `name' found''
    }
    else di in red ``error'' "duplicate entries for `eq':`name'
> found''

  exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
  }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,34] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,34] = __000008[1,34]
- }
- else if ``skip'=="" {
= else if ""=="" {
  if ``eq'=="_" {
    local spec : copy local name

```

```

    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
  }
  - local i = `i' + 1
  = local i = 34 + 1
  - }
  - while `i' <= `dim' {
  = while 35 <= 43 {
  - mat `x' = `mat'[1,`i'..`i']
  = mat __00000B = __000008[1,35..35]
  - local eq : coleq `x'
  = local eq : coleq __00000B
  - local name : colname `x'
  = local name : colname __00000B
  - if "`eq'" == "/" {
  = if "_" == "/" {
    local spec "/"`name'"
  }
  - else {
  - local spec "`eq':`name'"
  = local spec "_:0b.cb_authors_ext#0b.est_early"
  - if (usubstr("`eq'",1,1) != "/") {
  = if (usubstr("_",1,1) != "/") {
  - local sspec "/"`eq':`name'"
  = local sspec "/_:0b.cb_authors_ext#0b.est_early"
  - }
  - }
  - local oname
  - local ospec
  - capture _msparse `name', noomit
  = capture _msparse 0b.cb_authors_ext#0b.est_early, noomit
  - if c(rc) == 0 {
  - if r(omit) {
  - local oname ``r(stripe)'"
  = local oname ``0.cb_authors_ext#0.est_early'"
  - local ospec "`eq':`oname'"
  = local ospec "_:0.cb_authors_ext#0.est_early"
  - }
  - }
  - `vv' local j = colnumb(`new',``spec'')
  = version 18.5: local j = colnumb(__000009,`_:0b.cb_authors_ext
> #0b.est_early'')
  - if `j' == . & "`oname'" != "" {
  = if 35 == . & "0.cb_authors_ext#0.est_early" != "" {

```



```

        `vv' local j = colnumb(`new',``ospec'')
    }
- if `j' == . & ``sspec' != "" {
= if 35 == . & "/_#0b.cb_authors_ext#0b.est_early" != "" {
    `vv' local j = colnumb(`new',``sspec'')
    }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 35==. & ``_'=="_" & ``piq_timing_max:'!="" {
    `vv' local j = colnumb(`new',``eq1'`name'')
    if `j' == . & ``oname' != "" {
        `vv' local j = colnumb(`new',``eq1'`oname'')
    }
    }
- if `j'!=. {
= if 35!=. {
- if `fill'[1,`j'] {
= if __00000A[1,35] {
    _ms_parse_parts `name'
    if !r(omit) {
        if ``eq'=="_" {
            di in red ``error'duplicate "' ``entries for `name' found"'
        }
        else di in red ``error'"" ``duplicate entries for `eq':`name'
> found"'
    }
    exit 507
    }
    else if !missing(`new'[1,`j']) {
        matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,35] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,35] = __000008[1,35]
- }
- else if ``skip'==" " {
= else if ""==" " {
    if ``eq'=="_" {
        local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 35 + 1

```

```

- }
- while `i' <= `dim' {
= while 36 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,36..36]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:0b.cb_authors_ext#1.est_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:0b.cb_authors_ext#1.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.cb_authors_ext#1.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)'"
    local ospec "`eq':`oname'"
  }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:0b.cb_authors_ext
> #1.est_early'')
- if `j' == . & "`oname'" != "" {
= if 36 == . & "" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & "`sspec'" != "" {
= if 36 == . & "/_:0b.cb_authors_ext#1.est_early" != "" {
    `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 36==. & `_"'=="_" & `piq_timing_max:'""!="" {
    `vv' local j = colnumb(`new',``eq1`name'')

```

```

        if `j' == . & "`oname'" != "" {
        `vv' local j = colnumb(`new', "`eq1'"`oname'")
        }
    }
- if `j'!=. {
= if 36!=. {
- if `fill'[1,`j'] {
= if __00000A[1,36] {
    _ms_parse_parts `name'
    if !r(omit) {
    if "`eq'"=="_" {
    di in red ""`error'duplicate "'`entries for `name' found"'
    }
    else di in red ""`error'"' "`duplicate entries for `eq':`name'
> found"'

    exit 507
    }
    else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,36] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,36] = __000008[1,36]
- }
- else if "`skip'"==" {
= else if ""==" {
    if "`eq'"=="_" {
    local spec : copy local name
    }
    di in red ""`error'extra parameter "'`spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 36 + 1
- }
- while `i' <= `dim' {
= while 37 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,37..37]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B

```

```

- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:10.cb_authors_ext#0b.est_early"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:10.cb_authors_ext#0b.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.cb_authors_ext#0b.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname `1.cb_authors_ext#0.est_early'"
- local ospec "`eq':`oname'"
= local ospec "_:1.cb_authors_ext#0.est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,`_:10.cb_authors_ext
> #0b.est_early'')
- if `j' == . & "`oname'" != "" {
= if 37 == . & "1.cb_authors_ext#0.est_early" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & "`sspec'" != "" {
= if 37 == . & "/_:10.cb_authors_ext#0b.est_early" != "" {
    `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 37==. & ``_""=="_" & ``piq_timing_max:'""!="" {
    `vv' local j = colnumb(`new',``eq1``name'')
    if `j' == . & "`oname'" != "" {
      `vv' local j = colnumb(`new',``eq1``oname'')
    }
  }
- if `j'!=. {
= if 37!=. {
- if `filll'[1,`j'] {

```

```

= if __00000A[1,37] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'"=="_" {
      di in red ``error'duplicate "' `"'entries for `name' found"'
    }
    else di in red ``error'''' `"'duplicate entries for `eq':`name'
> found"'

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,37] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,37] = __000008[1,37]
- }
- else if "`skip'"==" " {
= else if ""==" " {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 37 + 1
- }
- while `i' <= `dim' {
= while 38 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,38..38]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec "`eq':`name'"
= local spec "_:10.cb_authors_ext#10.est_early"

```

```

- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_:10.cb_authors_ext#10.est_early"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.cb_authors_ext#10.est_early, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)''
= local oname ``1.cb_authors_ext#1.est_early"
- local ospec ``eq':`oname'"
= local ospec "_:1.cb_authors_ext#1.est_early"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:10.cb_authors_ext
> #10.est_early'')
- if `j' == . & ``oname' != "" {
= if 38 == . & "1.cb_authors_ext#1.est_early" != "" {
`vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & ``sspec' != "" {
= if 38 == . & "/_:10.cb_authors_ext#10.est_early" != "" {
`vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 38==. & ``_'=="_" & ``piq_timing_max:'!="" {
`vv' local j = colnumb(`new',``eq1`name'')
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new',``eq1`oname'')
}
}
- if `j'!=. {
= if 38!=. {
- if `fill'[1,`j'] {
= if __00000A[1,38] {
_ms_parse_parts `name'
if !r(omit) {
if "`eq'=="_" {
di in red ``error'duplicate "" ``entries for `name' found"
}
else di in red ``error'"" ``duplicate entries for `eq':`name'

```

```

> found''
    exit 507
    }
    else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
    }
    }
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,38] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,38] = __000008[1,38]
- }
- else if ``skip'""=="" {
= else if ""=="" {
    if ``eq'""=="_" {
    local spec : copy local name
    }
    di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
    exit 111
    }
- local i = `i' + 1
= local i = 38 + 1
- }
- while `i' <= `dim' {
= while 39 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,39..39]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if ``eq'"" == "/" {
= if "_" == "/" {
    local spec "/"`name'""
    }
- else {
- local spec ``eq':`name'""
= local spec "_:0b.cb_authors_ext#0b.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'""
= local sspec "/_:0b.cb_authors_ext#0b.est_late"
- }
- }
- local oname

```

```

- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.cb_authors_ext#0b.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'''
= local oname ``0.cb_authors_ext#0.est_late'''
- local ospec ``eq':`oname'''
= local ospec ``_:0.cb_authors_ext#0.est_late'''
- }
- }
- `vv' local j = colnumb(`new',``spec''')
= version 18.5: local j = colnumb(__000009,``_:0b.cb_authors_ext
> #0b.est_late''')
- if `j' == . & ``oname''' != "" {
= if 39 == . & "0.cb_authors_ext#0.est_late" != "" {
`vv' local j = colnumb(`new',``ospec''')
}
- if `j' == . & ``sspec''' != "" {
= if 39 == . & "/_:0b.cb_authors_ext#0b.est_late" != "" {
`vv' local j = colnumb(`new',``sspec''')
}
- if `j'==. & ``eq'''=="_" & ``eq1'''!="" {
= if 39==. & ``_'=="_" & ``piq_timing_max:'''!="" {
`vv' local j = colnumb(`new',``eq1``name''')
if `j' == . & ``oname''' != "" {
`vv' local j = colnumb(`new',``eq1``oname''')
}
}
- if `j'!=. {
= if 39!=. {
- if `filll'[1,`j'] {
= if __00000A[1,39] {
_ms_parse_parts `name'
if !r(omit) {
if ``eq'''=="_" {
di in red ``error'duplicate "'`entries for `name' found'''
}
else di in red ``error''''`duplicate entries for `eq':`name'
> found'''

exit 507
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
}

```



```

- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,39] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,39] = __000008[1,39]
- }
- else if "`skip'"==" {
= else if ""==" {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 39 + 1
- }
- while `i' <= `dim' {
= while 40 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,40..40]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
  local spec "/`name'"
}
- else {
- local spec "`eq':`name'"
= local spec "_.cb_authors_ext#10.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/`eq':`name'"
= local sspec "/_.cb_authors_ext#10.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 0b.cb_authors_ext#10.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``0.cb_authors_ext#1.est_late"'

```

```

- local ospec "`eq':`oname'"
= local ospec "_:0.cb_authors_ext#1.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:0b.cb_authors_ext
> #10.est_late'')
- if `j' == . & ``oname' != "" {
= if 40 == . & "0.cb_authors_ext#1.est_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & ``sspec' != "" {
= if 40 == . & "/_:0b.cb_authors_ext#10.est_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 40==. & ``_'=="_" & ``piq_timing_max:'!="" {
  `vv' local j = colnumb(`new',``eq1``name'')
  if `j' == . & ``oname' != "" {
    `vv' local j = colnumb(`new',``eq1``oname'')
  }
}
- if `j'!=. {
= if 40!=. {
- if `fill'[1,`j'] {
= if __00000A[1,40] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq'=="_" {
      di in red ``error'duplicate "" ``entries for `name' found"
    }
    else di in red ``error'"" ``duplicate entries for `eq':`name'
> found"

  exit 507
}
else if !missing(`new'[1,`j']) {
  matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,40] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,40] = __000008[1,40]
- }
- else if ``skip'==" " {
= else if ""==" " {

```

```

        if "`eq'"=="_" {
            local spec : copy local name
        }
        di in red `"'error'extra parameter "' `"'spec' found"' _n "spe
> cify skip option if necessary"
        exit 111
    }
    - local i = `i' + 1
    = local i = 40 + 1
    - }
    - while `i' <= `dim' {
    = while 41 <= 43 {
    - mat `x' = `mat'[1,`i'..`i']
    = mat __00000B = __000008[1,41..41]
    - local eq : coleq `x'
    = local eq : coleq __00000B
    - local name : colname `x'
    = local name : colname __00000B
    - if "`eq'" == "/" {
    = if "_" == "/" {
        local spec "/"`name'"
    }
    - else {
    - local spec "`eq':`name'"
    = local spec "_:10.cb_authors_ext#0b.est_late"
    - if (usubstr("`eq'",1,1) != "/") {
    = if (usubstr("_",1,1) != "/") {
    - local sspec "/"`eq':`name'"
    = local sspec "/_:10.cb_authors_ext#0b.est_late"
    - }
    - }
    - local oname
    - local ospec
    - capture _msparse `name', noomit
    = capture _msparse 10.cb_authors_ext#0b.est_late, noomit
    - if c(rc) == 0 {
    - if r(omit) {
    - local oname ``"r(stripe)'"
    = local oname ``"1.cb_authors_ext#0.est_late"
    - local ospec "`eq':`oname'"
    = local ospec "_:1.cb_authors_ext#0.est_late"
    - }
    - }
    - `vv' local j = colnumb(`new',`"'spec'')
    = version 18.5: local j = colnumb(__000009,`"_:10.cb_authors_ext
> #0b.est_late"')

```

```

- if `j' == . & "`oname'" != "" {
= if 41 == . & "1.cb_authors_ext#0.est_late" != "" {
  `vv' local j = colnumb(`new',``ospec'')
}
- if `j' == . & "`sspec'" != "" {
= if 41 == . & "/_:10.cb_authors_ext#0b.est_late" != "" {
  `vv' local j = colnumb(`new',``sspec'')
}
- if `j'==. & ``eq'""=="_" & ``eq1'""!="" {
= if 41==. & ``_'""=="_" & ``piq_timing_max:'""!="" {
  `vv' local j = colnumb(`new',``eq1'`name'')
  if `j' == . & "`oname'" != "" {
    `vv' local j = colnumb(`new',``eq1'`oname'')
  }
}
- if `j'!=. {
= if 41!=. {
- if `fill'[1,`j'] {
= if __00000A[1,41] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'""=="_" {
      di in red ``error'duplicate "' `entries for `name' found"'
    }
    else di in red ``error'"" `duplicate entries for `eq':`name'
> found"'
  }
  exit 507
}
else if !missing(`new'[1,`j']) {
  matrix `mat'[1,`i'] = `new'[1,`j']
}
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,41] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,41] = __000008[1,41]
- }
- else if "`skip'""=="" {
= else if ""=="" {
  if "`eq'""=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}

```

```

- local i = `i' + 1
= local i = 41 + 1
- }
- while `i' <= `dim' {
= while 42 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,42..42]
- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec "_:10.cb_authors_ext#10.est_late"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:10.cb_authors_ext#10.est_late"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse 10.cb_authors_ext#10.est_late, noomit
- if c(rc) == 0 {
- if r(omit) {
- local oname ``r(stripe)'"
= local oname ``1.cb_authors_ext#1.est_late'"
- local ospec "`eq':`oname'"
= local ospec "_:1.cb_authors_ext#1.est_late"
- }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``_:10.cb_authors_ext
> #10.est_late'')
- if `j' == . & "`oname'" != "" {
= if 42 == . & "1.cb_authors_ext#1.est_late" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & "`sspec'" != "" {
= if 42 == . & "/_:10.cb_authors_ext#10.est_late" != "" {
    `vv' local j = colnumb(`new',``sspec'')

```

```

    }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 42==. & `_'=="_" & `piq_timing_max:'!="" {
  `vv' local j = colnum(`new',``eq1'`name'`)
  if `j' == . & `name' != "" {
    `vv' local j = colnum(`new',``eq1'`name'`)
  }
}
- if `j'!=. {
= if 42!=. {
- if `fill'[1,`j'] {
= if __00000A[1,42] {
  _ms_parse_parts `name'
  if !r(omit) {
    if ``eq'=="_" {
      di in red ``error'duplicate "' `entries for `name' found"'
    }
    else di in red ``error'"" `duplicate entries for `eq':`name'
> found"'

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `fill'[1,`j'] = 1
= else mat __00000A[1,42] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,42] = __000008[1,42]
- }
- else if ``skip'==" " {
= else if ""==" " {
  if ``eq'=="_" {
    local spec : copy local name
  }
  di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 42 + 1
- }
- while `i' <= `dim' {
= while 43 <= 43 {
- mat `x' = `mat'[1,`i'..`i']
= mat __00000B = __000008[1,43..43]

```

```

- local eq : coleq `x'
= local eq : coleq __00000B
- local name : colname `x'
= local name : colname __00000B
- if "`eq'" == "/" {
= if "_" == "/" {
    local spec "/"`name'"
  }
- else {
- local spec "`eq':`name'"
= local spec ":_cons"
- if (usubstr("`eq'",1,1) != "/") {
= if (usubstr("_",1,1) != "/") {
- local sspec "/"`eq':`name'"
= local sspec "/_:_cons"
- }
- }
- local oname
- local ospec
- capture _msparse `name', noomit
= capture _msparse _cons, noomit
- if c(rc) == 0 {
- if r(omit) {
    local oname ``r(stripe)''
    local ospec "`eq':`oname'"
  }
- }
- `vv' local j = colnumb(`new',``spec'')
= version 18.5: local j = colnumb(__000009,``:_cons'')
- if `j' == . & ``oname' != "" {
= if 43 == . & "" != "" {
    `vv' local j = colnumb(`new',``ospec'')
  }
- if `j' == . & ``sspec' != "" {
= if 43 == . & "/_:_cons" != "" {
    `vv' local j = colnumb(`new',``sspec'')
  }
- if `j'==. & ``eq'=="_" & ``eq1'!="" {
= if 43==. & ``_'=="_" & ``piq_timing_max:'!="" {
    `vv' local j = colnumb(`new',``eq1`name'')
    if `j' == . & ``oname' != "" {
      `vv' local j = colnumb(`new',``eq1`oname'')
    }
  }
- if `j'!=. {
= if 43!=. {

```

```

- if `filll'[1,`j'] {
= if __00000A[1,43] {
  _ms_parse_parts `name'
  if !r(omit) {
    if "`eq'"=="_" {
      di in red `""`error'duplicate "' `"'entries for `name' found"'
    }
    else di in red `""`error'""' `"'duplicate entries for `eq':`name'
> found"'

    exit 507
  }
  else if !missing(`new'[1,`j']) {
    matrix `mat'[1,`i'] = `new'[1,`j']
  }
}
- else mat `filll'[1,`j'] = 1
= else mat __00000A[1,43] = 1
- mat `new'[1,`j'] = `mat'[1,`i']
= mat __000009[1,43] = __000008[1,43]
- }
- else if "`skip'"==" " {
= else if ""==" " {
  if "`eq'"=="_" {
    local spec : copy local name
  }
  di in red `""`error'extra parameter "' `""`spec' found"' _n "spe
> cify skip option if necessary"
  exit 111
}
- local i = `i' + 1
= local i = 43 + 1
- }
- while `i' <= `dim' {
= while 44 <= 43 {
  mat `x' = `mat'[1,`i'..`i']
  local eq : coleq `x'
  local name : colname `x'
  if "`eq'" == "/" {
    local spec "/`name'"
  }
  else {
    local spec "`eq':`name'"
    if (usubstr("`eq'",1,1) != "/") {
      local sspec "/`eq':`name'"
    }
  }
}
}

```



```

local oname
local ospec
capture _msparse `name', noomit
if c(rc) == 0 {
if r(omit) {
local oname ``r(stripe)'''
local ospec ``eq':`oname'
}
}
`vv' local j = colnumb(`new',``spec'')
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new',``ospec'')
}
if `j' == . & ``sspec' != "" {
`vv' local j = colnumb(`new',``sspec'')
}
if `j'==. & ``eq'=="_" & ``eq1'!='' {
`vv' local j = colnumb(`new',``eq1`name'')
if `j' == . & ``oname' != "" {
`vv' local j = colnumb(`new',``eq1`oname'')
}
}
if `j'!=. {
if `fill'[1,`j'] {
_ms_parse_parts `name'
if !r(omit) {
if ``eq'=="_" {
di in red ``error'duplicate "' `entries for `name' found"'
}
else di in red ``error'' "duplicate entries for `eq':`name'
> found"'
}
}
else if !missing(`new'[1,`j']) {
matrix `mat'[1,`i'] = `new'[1,`j']
}
}
else mat `fill'[1,`j'] = 1
mat `new'[1,`j'] = `mat'[1,`i']
}
else if ``skip'=="" {
if ``eq'=="_" {
local spec : copy local name
}
di in red ``error'extra parameter "' ``spec' found"' _n "spe
> cify skip option if necessary"

```

```

        exit 111
    }
    local i = `i` + 1
}
- mat `fill` = `fill`*`fill`
= mat __00000A = __00000A*__00000A
- sret clear
- sret local k_fill = `fill`[1,1]
= sret local k_fill = __00000A[1,1]
- mat `mat` = `new`
= mat __000008 = __000009

```

```

> _____ end _mkvec.ChkNa
> mes _____
    - local fill `s(k_fill)`
    = local fill 43
    - }
    - }
    - }
    - else {
        local fill 0
        if "`update'"!="" {
            mat `mat` = `matin`
        }
        else if "`colname'"!="" {
            local dim : list sizeof colname
            mat `mat` = J(1,`dim`,0)
            `vv` mat colnames `mat` = `colname`
        }
        else {
            di in red "from() must be specified"
            exit 198
        }
    }
    - sret clear
    - sret local copy `copy`
    = sret local copy
    - sret local skip `skip`
    = sret local skip
    - sret local k = colsof(matrix(`mat`))
    = sret local k = colsof(matrix(__000008))
    - if "`fill'"!="" {
    = if "43"!="" {
        - sret local k_fill `fill`
    = sret local k_fill 43
    - }

```

```

- else sret local k_fill = colsof(matrix(`mat'))
= else sret local k_fill = colsof(matrix(__000008))
- matrix rename `mat' `matout', replace
= matrix rename __000008 __000007, replace

```

```

> _____ end _mk
> vec _____
- }
- tempname bomit
- matrix `bomit' = J(1,`:list sizeof colna',0)
= matrix __000008 = J(1,43,0)
- matrix colna `bomit' = `colna'
= matrix colna __000008 = piq_timing_max:rule_g piq_timing_max:rule
> _itr piq_timing_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late
> piq_timing_max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext
> t#0b.vint_late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:
> 0b.cb_authors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid p
> iq_timing_max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext
> #1o.vint_mid piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early p
> iq_timing_max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_earl
> y piq_timing_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing
> _max:o.est_early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.
> vint_late#1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_m
> ax:1o.vint_late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_tim
> ing_max:0b.vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq
> _timing_max:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timing_ma
> x:cb_authors_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vi
> nt_mid#1o.est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.
> vint_mid#1o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_
> timing_max:0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1
> .est_early piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.c
> b_authors_ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_
> timing_max:0b.cb_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ext#0b
> .est_late piq_timing_max:1o.cb_authors_ext#1o.est_late piq_timing_max:_cons
- _ms_omit_info `bomit'
= _ms_omit_info __000008
- if r(k_omit) | `:length local constraints' {
= if r(k_omit) | 0 {
- nobreak {
- capture noisily break {
- _b_post0 `colna'
= _b_post0 piq_timing_max:rule_g piq_timing_max:rule_itr piq_timing
> _max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_late piq_timing_max:
> 0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_authors_ext#0b.vint_late
> piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_max:0b.cb_authors_e
> xt#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_mid piq_timing_max:1

```

```

> o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors_ext#1o.vint_mid pi
> q_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_early piq_timing_max:0
> b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_early piq_timing_ma
> x:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_timing_max:o.est_earl
> y piq_timing_max:0b.vint_late#0b.est_early piq_timing_max:0b.vint_late#1o.es
> t_early piq_timing_max:1o.vint_late#0b.est_early piq_timing_max:1o.vint_late
> #1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq_timing_max:0b.vint
> _late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late piq_timing_max:1o.
> vint_late#1o.est_late piq_timing_max:vint_early piq_timing_max:cb_authors_ex
> t piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0b.vint_mid#1o.est_l
> ate piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max:1o.vint_mid#1o.est
> _late piq_timing_max:vint_mid piq_timing_max:o.vint_late piq_timing_max:0b.c
> b_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_ext#1.est_early piq_
> timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:1o.cb_authors_ext#1
> o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late piq_timing_max:0b.c
> b_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ext#0b.est_late piq_t
> iming_max:1o.cb_authors_ext#1o.est_late piq_timing_max:_cons

> _____ begin _b_po
> st0 _____
    - version 11
    - tempname b V
    - local dim : list sizeof 0
    - matrix `b' = J( 1,`dim',0)
    = matrix __000009 = J( 1,43,0)
    - matrix `V' = J(`dim',`dim',0)
    = matrix __00000A = J(43,43,0)
    - matrix colnames `b' = `0'
    = matrix colnames __000009 = piq_timing_max:rule_g piq_timing_max:
> rule_itr piq_timing_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_l
> ate piq_timing_max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_autho
> r_ext#0b.vint_late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_
> max:0b.cb_authors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_m
> id piq_timing_max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors
> _ext#1o.vint_mid piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_ear
> ly piq_timing_max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_
> early piq_timing_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_ti
> ming_max:o.est_early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max
> :0b.vint_late#1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_timi
> ng_max:1o.vint_late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late piq
> _timing_max:0b.vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late
> piq_timing_max:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_timin
> g_max:cb_authors_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0
> b.vint_mid#1o.est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max
> :1o.vint_mid#1o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late
> piq_timing_max:0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_e

```

```

> xt#1.est_early piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:
> 1o.cb_authors_ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late
> piq_timing_max:0b.cb_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ex
> t#0b.est_late piq_timing_max:1o.cb_authors_ext#1o.est_late piq_timing_max:_c
> ons
      - matrix colnames `V' = `0'
      = matrix colnames __00000A = piq_timing_max:rule_g piq_timing_max:
> rule_itr piq_timing_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_l
> ate piq_timing_max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_autho
> r_ext#0b.vint_late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_
> max:0b.cb_authors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_m
> id piq_timing_max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors
> _ext#1o.vint_mid piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_ear
> ly piq_timing_max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_
> early piq_timing_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_t
> iming_max:o.est_early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max
> :0b.vint_late#1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_t
> iming_max:1o.vint_late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late
> piq_timing_max:0b.vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late
> piq_timing_max:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_t
> iming_max:cb_authors_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0
> b.vint_mid#1o.est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max
> :1o.vint_mid#1o.est_late piq_timing_max:vint_mid piq_timing_max:o.vint_late
> piq_timing_max:0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_e
> xt#1.est_early piq_timing_max:1o.cb_authors_ext#0b.est_early piq_timing_max:
> 1o.cb_authors_ext#1o.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late
> piq_timing_max:0b.cb_authors_ext#1o.est_late piq_timing_max:1o.cb_authors_ex
> t#0b.est_late piq_timing_max:1o.cb_authors_ext#1o.est_late piq_timing_max:_c
> ons
      - matrix rownames `V' = `0'
      = matrix rownames __00000A = piq_timing_max:rule_g piq_timing_max:
> rule_itr piq_timing_max:estimated piq_timing_max:0b.cb_authors_ext#0b.vint_l
> ate piq_timing_max:0b.cb_authors_ext#1.vint_late piq_timing_max:1o.cb_autho
> r_ext#0b.vint_late piq_timing_max:1o.cb_authors_ext#1o.vint_late piq_timing_
> max:0b.cb_authors_ext#0b.vint_mid piq_timing_max:0b.cb_authors_ext#1o.vint_m
> id piq_timing_max:1o.cb_authors_ext#0b.vint_mid piq_timing_max:1o.cb_authors
> _ext#1o.vint_mid piq_timing_max:ln_neq piq_timing_max:0b.vint_mid#0b.est_ear
> ly piq_timing_max:0b.vint_mid#1.est_early piq_timing_max:1o.vint_mid#0b.est_
> early piq_timing_max:1o.vint_mid#1o.est_early piq_timing_max:est_late piq_t
> iming_max:o.est_early piq_timing_max:0b.vint_late#0b.est_early piq_timing_max
> :0b.vint_late#1o.est_early piq_timing_max:1o.vint_late#0b.est_early piq_t
> iming_max:1o.vint_late#1o.est_early piq_timing_max:0b.vint_late#0b.est_late
> piq_timing_max:0b.vint_late#1o.est_late piq_timing_max:1o.vint_late#0b.est_late
> piq_timing_max:1o.vint_late#1o.est_late piq_timing_max:vint_early piq_t
> iming_max:cb_authors_ext piq_timing_max:0b.vint_mid#0b.est_late piq_timing_max:0
> b.vint_mid#1o.est_late piq_timing_max:1o.vint_mid#0b.est_late piq_timing_max

```

```

> :10.vint_mid#10.est_late piq_timing_max:vint_mid piq_timing_max:0.vint_late
> piq_timing_max:0b.cb_authors_ext#0b.est_early piq_timing_max:0b.cb_authors_e
> xt#1.est_early piq_timing_max:10.cb_authors_ext#0b.est_early piq_timing_max:
> 10.cb_authors_ext#10.est_early piq_timing_max:0b.cb_authors_ext#0b.est_late
> piq_timing_max:0b.cb_authors_ext#10.est_late piq_timing_max:10.cb_authors_ex
> t#0b.est_late piq_timing_max:10.cb_authors_ext#10.est_late piq_timing_max:_c
> ons
    - ereturn post `b' `V'
    = ereturn post __000009 __00000A
    _____
> _____ end _b_po
> st0 _____
    - local clist : substr local constraints "," " ", all
    - `vv' makecns `clist', `cnsnotes'
    = version 18.5: makecns ,
    _____
> _____ begin make
> cns _____
    - if _caller() < 11 {
      MakeCns `0'
      exit
    }
    - _makecns `0'
    = _makecns ,
    _____
> _____ end make
> cns _____
    - local constraints ``r(clist)'''
    = local constraints `'''
    - local k_autoCns = e(k_autoCns)
    - tempname C
    - capture matrix `C' = e(Cns)
    = capture matrix __000009 = e(Cns)
    - local rcc = c(rc)
    - }
    - local rc = c(rc)
    - ereturn clear
    - }
    - if (`rc') exit `rc'
    = if (0) exit 0
    - if (`rcc') {
    = if (0) {
      local C
      local k_autoCns
    }
    - }

```

```

- if `:length local constraints' {
= if 0 {
  local lf0
}
- local vce `vce' `robust' `cluster'
= local vce vce(robust)
- if `:length local vce' {
= if 11 {
- _vce_parse, argoptlist(Cluster) optlist(OIM OPG Robust) old : `wt'
> , `vce'
= _vce_parse, argoptlist(Cluster) optlist(OIM OPG Robust) old : , vc
> e(robust)
_____
> _____ begin _vce_pa
> rse _____
- version 10
- _on_colon_parse `0'
= _on_colon_parse , argoptlist(Cluster) optlist(OIM OPG Robust) ol
> d : , vce(robust)
_____
> _____ begin _on_colon_pa
> rse _____
- version 8.2
- sreturn local before ""
- sreturn local after ""
- gettoken before after : 0, parse(":") bind match(par) quotes
- if "`par'" != "" {
= if "" != "" {
  local before `("`before')"'
}
- if `""before"' == ":" {
= if `", argoptlist(Cluster) optlist(OIM OPG Robust) old "" == "
> ":" {
  sreturn local after `""after"'
  exit
}
- while `""COLON"' != ":" & `""after"' != "" {
= while `""' != ":" & `": , vce(robust)"" != "" {
- gettoken COLON after : after, parse(":") bind match(par) quote
> s
- if "`par'" != "" {
= if "" != "" {
  local before `before' (`COLON')
  local COLON
}
- else if `""COLON"' != ":" {

```

```

= else if `":'" != ":" {
    local before `""before' `COLON'"
    local COLON
    }
- }
- while `""COLON'" != ":" & `""after'" != "" {
= while `":'" != ":" & `", vce(robust)'" != "" {
    gettoken COLON after : after, parse(":") bind match(par) quote

> s

    if "`par'" != "" {
        local before `before' (`COLON')
        local COLON
        }
    else if `""COLON'" != ":" {
        local before `""before' `COLON'"
        local COLON
        }
    }
- if `""COLON'" != ":" {
= if `":'" != ":" {
    di as err ""' found where ':' expected"
    exit 198
    }
- sreturn local before `""before'"
= sreturn local before `", argoptlist(CLister) optlist(OIM OPG R
> obust) old ""
    - sreturn local after `""after'"
    = sreturn local after `", vce(robust)'"



---


> ----- end _on_colon_pa
> rse -----
    - local 0 `""s(before)'"
    = local 0 `", argoptlist(CLister) optlist(OIM OPG Robust) old ""
    - local user `""s(after)'"
    = local user `", vce(robust)'"
    - syntax [varname(default=none)], [ OPTlist(namelist) ARGOPTlist(n
> amelist) PWallowed(namelist) OLD_is_ok NOARGOPT_is_ok ]
    - local touse `varlist'
    = local touse
    - tempname o a
    - `o' = ._optlist.new
    = __00000A = ._optlist.new
    - local optlist : list uniq optlist
    - foreach name of local optlist {
    - `o'.addopt `name'
    = __00000A.addopt OIM

```



```

> _____ begin _optlist.add
> opt _____
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("OIM")
    - if "`passthru'" != "" {
    = if "" != "" {
        local optspec `optspec'(passthru)
    }
    - .options.Arrpush "`optspec'"
    = .options.Arrpush "OIM"
    - .names.Arrpush "`mname'"
    = .names.Arrpush "oim"
    _____

> _____ end _optlist.add
> opt _____
    - }
    - .`o'.addopt `name'
    = .__00000A.addopt OPG
    _____

> _____ begin _optlist.add
> opt _____
    - version 9
    - syntax name(name=optspec) [, PASSthru]
    - local mname = lower("`optspec'")
    = local mname = lower("OPG")
    - if "`passthru'" != "" {
    = if "" != "" {
        local optspec `optspec'(passthru)
    }
    - .options.Arrpush "`optspec'"
    = .options.Arrpush "OPG"
    - .names.Arrpush "`mname'"
    = .names.Arrpush "opg"
    _____

> _____ end _optlist.add
> opt _____
    - }
    - .`o'.addopt `name'
    = .__00000A.addopt Robust
    _____

> _____ begin _optlist.add
> opt _____
    - version 9

```

```

- syntax name(name=optspec) [, PASSthru]
- local mname = lower("`optspec'")
= local mname = lower("Robust")
- if "`passthru'" != "" {
= if "" != "" {
    local optspec `optspec'(passthru)
  }
- .options.Arrpush "`optspec'"
= .options.Arrpush "Robust"
- .names.Arrpush "`mname'"
= .names.Arrpush "robust"

```

```

> _____ end _optlist.add
> opt _____
- }
- .`a' = ._optlist.new
= __00000B = ._optlist.new
- local argoptlist : list uniq argoptlist
- foreach name of local argoptlist {
- .`a'.addopt `name'
= __00000B.addopt CCluster

```

```

> _____ begin _optlist.add
> opt _____
- version 9
- syntax name(name=optspec) [, PASSthru]
- local mname = lower("`optspec'")
= local mname = lower("CLuster")
- if "`passthru'" != "" {
= if "" != "" {
    local optspec `optspec'(passthru)
  }
- .options.Arrpush "`optspec'"
= .options.Arrpush "CLuster"
- .names.Arrpush "`mname'"
= .names.Arrpush "cluster"

```

```

> _____ end _optlist.add
> opt _____
- }
- local OPTNAMES ```.`o'.dumpnames'''

```

```

> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arnels' {

```

```

= forval i = 1/3 {
- local namelist `namelist' `.names['i']'
= local namelist oim
- }
- local namelist `namelist' `.names['i']'
= local namelist oim opg
- }
- local namelist `namelist' `.names['i']'
= local namelist oim opg robust
- }
- local namelist : list uniq namelist
- sreturn local namelist ``namelist'''
= sreturn local namelist "oim opg robust"
- class exit ``namelist'''
= class exit "oim opg robust"

```

```

> _____ end _optlist.dumpna
> mes _____
= local OPTNAMES "oim opg robust"
- local ARGOPTNAMES ```.a'.dumpnames'''

```

```

> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arnels' {
= forval i = 1/1 {
- local namelist `namelist' `.names['i']'
= local namelist cluster
- }
- local namelist : list uniq namelist
- sreturn local namelist ``namelist'''
= sreturn local namelist "cluster"
- class exit ``namelist'''
= class exit "cluster"

```

```

> _____ end _optlist.dumpna
> mes _____
= local ARGOPTNAMES "cluster"
- local AND : list OPTNAMES & ARGOPTNAMES
- if `:list sizeof AND' {
= if 0 {
di as err "vcetype ``:word 1 of `AND'' specified twice"
exit 198
}
- local pwallowed : list uniq pwallowed
- local pwlist robust cluster

```

```

- foreach n of local pwallowed {
  local lc = lower("`n'")
  local pwlist `pwlist' `lc'
}
- if "`old_is_ok'" != "" {
= if "old_is_ok" != "" {
- local ROBUST robust
- if `:list ROBUST in OPTNAMES' {
= if 1 {
- local robust Robust
- }
- local CLUSTER cluster
- if `:list CLUSTER in ARGOPTNAMES' {
= if 1 {
- local cluster CLuster(varname)
- }
- }
- local 0 ``user'''
= local 0 `` , vce(robust)'''
- syntax [fw aw pw iw] [, VCE(string asis) `robust' `cluster' ]
= syntax [fw aw pw iw] [, VCE(string asis) Robust CLuster(varname)

> ]

- if ``vce''' != "" {
= if ``robust''' != "" {
- gettoken name args : vce, parse(" ,")
- local args : list retok args
- capture ParseVCE `o' `a' , `name'
= capture ParseVCE __00000A __00000B , robust

> _____ begin _vce_parse.Parse
> VCE _____
- gettoken 0 0 : 0, parse(" ,")
- gettoken A 0 : 0, parse(" ,")
- local OPTSPECS ``'.`0'.dumpoptions' `.`A'.dumpoptions'''

> _____ begin _optlist.dumpopti
> ons _____
- version 9
- forval i = 1/`.options.arnels' {
= forval i = 1/3 {
- local optlist `optlist' `.options['i']'
= local optlist OIM
- }
- local optlist `optlist' `.options['i']'
= local optlist OIM OPG
- }

```

```

- local optlist `optlist' `.options['i']'
= local optlist OIM OPG Robust
- }
- local optlist : list uniq optlist
- sreturn local optlist ```optlist'''
= sreturn local optlist ``OIM OPG Robust''
- class exit ```optlist'''
= class exit ``OIM OPG Robust''

> _____ end _optlist.dumpopti
> ons _____

> _____ begin _optlist.dumpopti
> ons _____
- version 9
- forval i = 1/`.options.arrnells' {
= forval i = 1/1 {
- local optlist `optlist' `.options['i']'
= local optlist CLuster
- }
- local optlist : list uniq optlist
- sreturn local optlist ```optlist'''
= sreturn local optlist ``CLuster''
- class exit ```optlist'''
= class exit ``CLuster''

> _____ end _optlist.dumpopti
> ons _____
= local OPTSPECS ``OIM OPG Robust CLuster''
- local OPTNAMES ```. `0'.dumpnames' `.`A'.dumpnames'''

> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arrnells' {
= forval i = 1/3 {
- local namelist `namelist' `.names['i']'
= local namelist oim
- }
- local namelist `namelist' `.names['i']'
= local namelist oim opg
- }
- local namelist `namelist' `.names['i']'
= local namelist oim opg robust
- }
- local namelist : list uniq namelist

```

```

- sreturn local namelist ``namelist'''
= sreturn local namelist "oim opg robust"
- class exit ``namelist'''
= class exit "oim opg robust"

> _____ end _optlist.dumpna
> mes _____
> _____ begin _optlist.dumpna
> mes _____
- version 9
- forval i = 1/`.names.arnels' {
= forval i = 1/1 {
- local namelist `namelist' `.names['i']'
= local namelist cluster
- }
- local namelist : list uniq namelist
- sreturn local namelist ``namelist'''
= sreturn local namelist "cluster"
- class exit ``namelist'''
= class exit "cluster"

> _____ end _optlist.dumpna
> mes _____
= local OPTNAMES "oim opg robust cluster"
- syntax [, `OPTSPECS']
= syntax [, OIM OPG Robust CLuster]
- foreach OPT of local OPTNAMES {
- if ``OPT' != "" {
= if `"' != "" {
return local vce `OPT'
continue, break
}
- }
- if ``OPT' != "" {
= if `"' != "" {
return local vce `OPT'
continue, break
}
- }
- if ``OPT' != "" {
= if "robust" != "" {
- return local vce `OPT'
= return local vce robust
- continue, break
}
}

```

```

    }
}
> ----- end _vce_parse.Parse
> VCE -----
    - if c(rc) {
        di as err "vcetype {bf:`name'} not allowed"
        exit 198
    }
    - local name `r(vce)'
    = local name robust
    - if "`weight'" == "pweight" & !`:list name in pwlist' {
    = if "" == "pweight" & !1 {
        di as err "pweights are not allowed with vce(`name')"
        exit 198
    }
    - return add
    - if ```robust'"" != "" & !inlist("`name'", "", "robust", "eim", "oim"
> , "cluster") {
    = if `""' != "" & !inlist("robust", "", "robust", "eim", "oim", "cluste
> r") {
        opts_exclusive "`robust' vce(`name')"
    }
    - if "`name'" == "cluster" {
    = if "robust" == "cluster" {
        if ```args'"" == "" {
            di as err "invalid vce(cluster) option"
            exit 198
        }
        confirm var `args'
        unab args : `args'
        local markout `args'
        if "`cluster'" != "" {
            if !`:list args == cluster' {
                di as err "options cluster() and vce(cluster) are in conflict"
                exit 100
            }
        }
    }
    - else if "`cluster'" != "" & !inlist("`name'", "eim", "oim") {
    = else if "" != "" & !inlist("robust", "eim", "oim") {
        opts_exclusive "cluster() vce(`name')"
    }
    - if ```args'"" != "" {
    = if `""' != "" {
        if !`:list name in ARGOPTNAMES' {
            di as err "invalid vce() option"

```

```

exit 198
}
if "`name'" == "hc2" {
confirm var `args'
unab args : `args'
local markout `args'
}
return local vceargs ``':list retok args'''
}
- else if `:list name in ARGOPTNAMES' {
= else if 0 {
if "`noargopt_is_ok'" == "" {
di as err "invalid vce() option"
exit 198
}
}
- }
- else {
if "`weight'" == "pweight" | "`robust'" != "" {
local vce robust
}
if "`cluster'" != "" {
local vce cluster
local args `cluster'
local markout `cluster'
}
return local vce ``vce'''
return local vceargs ``args'''
}
- if "`return(vce)'" != "" {
= if "robust" != "" {
- if ``return(vceargs)''' != "" {
= if `''' != "" {
local ss " "
}
- return local vceopt `"vce(`return(vce)''ss'`return(vceargs)')'"
= return local vceopt `"vce(robust)'"
- }
- if "`return(vce)'" == "cluster" {
= if "robust" == "cluster" {
return local cluster `return(vceargs)'
}
- if inlist("`return(vce)'", "robust", "cluster") {
= if inlist("robust", "robust", "cluster") {
- return local robust robust
- }

```



```

- if "`touse'" != "" {
= if "" != "" {
    if "`markout'" != "" {
        markout `touse' `markout', strok
    }
}
}

> _____ end _vce_pa
> rse _____
- local vce `r(vce)'
= local vce robust
- }
- else if "`weight'" == "pweight" {
= else if "" == "pweight" {
    local vce robust
}
- if `:length local svy' {
= if 0 {
    local vce svy
}
- if ``"vce"' == "cluster" {
= if `"robust"' == "cluster" {
    local cluster `r(cluster)'
    markout $ML_sample `cluster', strok
}
- if `:length local group' {
= if 0 {
    markout $ML_sample `group', strok
    global ML_group : copy local group
    if bsubstr("`type `group'",1,3) == "str" {
        if `interactive' {
            SetGlobalVar ML_grp : _MLgr
        }
        else {
            global ML_grp : tempvar
            if ``"moptobj"' != "" {
                global ML_grp `moptobj'$ML_grp
            }
        }
        quietly egen $ML_grp = group(`group')
        if ! `:length local cluster' {
            local cluster : copy global ML_grp
        }
    }
    else {
        if ! `:length local cluster' {

```

```

        local cluster : copy global ML_group
    }
}
}
- if "$ML_samp" != "$ML_sample" {
= if "__000005" != "__000005" {
    quietly replace $ML_samp = 0 if $ML_samp & $ML_sample == 0
}
- if `:length local vce' == 0 {
= if 6 == 0 {
    if ``technique''' == "bhhh" {
        local vce opg
    }
    else local vce oim
}
- if inlist("`vce'", "robust", "cluster") & bsubstr("`evaltype'",1,1
> ) == "d" {
= if inlist("robust", "robust", "cluster") & bsubstr("e2",1,1) == "d
> " {
    local optname = cond("`svy'"=="" ,"vce(`vce')", "svy")
    di as err "option `optname' is not allowed with evaltype `evaltype
> ""
    exit 198
}
- if `:length local crittype' == 0 {
= if 0 == 0 {
- if inlist("`vce'", "cluster", "robust", "svy") {
= if inlist("robust", "cluster", "robust", "svy") {
- local crittype "log pseudolikelihood"
- }
- else local crittype "log likelihood"
- }
- global ML_waldtest `waldtest'
= global ML_waldtest -1
- if `:length local svy' | `:length local weight' {
= if 0 | 0 {
    if `interactive' {
        SetGlobalVar ML_w : _MLw
    }
    else {
        global ML_w : tempvar
        if ``moptobj''' != "" {
            global ML_w `moptobj'$ML_w
        }
    }
}
}
}

```

```

- if `:length local weight' {
= if 0 {
  if ``moptobj''' != "" {
    cap drop $ML_w
  }
  quietly gen double $ML_w `exp' if $ML_samp
  local wtype ``weight'''
  local wexp ``exp'''
  global ML_wtyp : copy local wtype
  global ML_wexp : copy local wexp
  if "wtype" == "iweight" | "svy" != "" {
    local zeroweight zeroweight
  }
}
- if inlist("`vce'", "svy", "cluster") {
= if inlist("robust", "svy", "cluster") {
  if `interactive' {
    SetGlobalVar ML_subv : _MLsu
  }
  else {
    global ML_subv : tempvar
    if ``moptobj''' != "" {
      global ML_subv `moptobj'$ML_subv
    }
  }
}
- quietly count if $ML_sample
= quietly count if __000005
- if r(N) == 0 {
  error 2000
}
- if ``weight''' != "" {
= if `''' != "" {
  quietly count if $ML_sample & $ML_w != 0
  if r(N) == 0 {
    di in gr "all observation have zero weights"
    exit 2000
  }
}
- if `:length local lf0' {
= if 20 {
  - if `:list sizeof lf0' != 2 {
= if 2 != 2 {
    di as err "lf0(`lf0') invalid"
    exit 198
  }
}

```

```

- global ML_k0 : word 1 of `lf0'
= global ML_k0 : word 1 of 1 -400.0562426994474
- global ML_ll_0 : word 2 of `lf0'
= global ML_ll_0 : word 2 of 1 -400.0562426994474
- confirm integer number $ML_k0
= confirm integer number 1
- confirm number $ML_ll_0
= confirm number -400.0562426994474
- if $ML_k0 < 0 {
= if 1 < 0 {
  di as err "lf0(`lf0') invalid"
  exit 198
}
- }
- if "`obs'" == "" {
= if "" == "" {
- if "`wtype'" != "fweight" {
= if "" != "fweight" {
- quietly count if $ML_sample
= quietly count if __000005
- local obs = r(N)
- }
- else {
  sum $ML_w if $ML_sample, mean
  local obs = r(sum)
}
- }
- if `:length local iterid' {
= if 0 {
  local iterid = trim(bsubstr("`iterid'",1,32))
}
- if `:length local crittype' {
= if 20 {
- local crittype = trim(bsubstr("`crittype'",1,32))
= local crittype = trim(bsubstr("`log pseudolikelihood'",1,32))
- }
- if `:length local derivscale' {
= if 0 {
  confirm matrix `derivscale'
}
- if `:length local derivh' {
= if 0 {
  confirm matrix `derivh'
}
- local l : strlen local deriv
- ParseUsemin, `deriv' len(`l')

```

```

= ParseUsemin, len(0)
> _____ begin mopt.ParseUse
> min _____
- capture syntax [, LEN(integer 0), MIN1(numlist min=2 max=2 missi
> ngokay) NOMIN MIN]
- if (_rc) {
  syntax [, LEN(integer 0) MIN1(string) NOMIN MIN]
}
- if ``min1'' != "" & ``nomin'' != "" {
= if ``'' != "" & ``'' != "" {
  di as err "options {bf:min()} and {bf:nomin} are mutually exclus
> ive"
  exit 198
}
- if ``min'' != "" & ``nomin'' != "" {
= if ``'' != "" & ``'' != "" {
  di as err "options {bf:min} and {bf:nomin} are mutually exclusiv
> e"
  exit 198
}
- if (``min1'' != "") {
= if (``'' != "") {
  if (_rc) {
    capture confirm matrix `min1'
    if (_rc) {
      di as err "option {bf:min()} requires that either two numbers or
> a 1X2 matrix be specified"
      exit 198
    }
  }
  local deriv `min1'
}
- else if (``min'' != "") {
= else if (``'' != "") {
  if (`len' > length(``min'')) {
    di as err "option {bf:min()} requires that either two numbers or
> a 1X2 matrix be specified"
    exit 198
  }
  local deriv 1
}
- else {
- if (`len' > 0) {
= if (0 > 0) {
  if ("`nomin" == "") {

```

```

        di as err "option {bf:min()} requires that either two numbers or
> a 1X2 matrix be specified"
        exit 198
    }
    else if (`len' > length("`nomin'")) {
        di as err "options {bf:min()} and {bf:nomin} are mutually exclus
> ive"
        exit 198
    }
    else {
        local deriv 0
    }
}
- else {
- local deriv 0
- }
- }
- sreturn local deriv `deriv'
= sreturn local deriv 0
}

> ----- end mopt.ParseUse
> min -----
    - local deriv = s(deriv)
    - if `:length local gnwmatrix' {
= if 0 {
    confirm matrix `gnwmatrix'
    }
    - `vv' mata: Mopt_model()
= version 18.5: mata: Mopt_model()
}

> ----- begin mopt_check_prog
> ram -----
    - version 10
    - args name
    - capture confirm name `name'
= capture confirm name poiss_lf
    - if c(rc) {
        di as err "unrecognized command:  `name' invalid command name"
        exit 199
    }
    - capture which `name'
= capture which poiss_lf
    - if !c(rc) {
    - exit
}

> ----- end mopt_check_prog

```

```

> ram
    - global ML_stat model
    - if !`interactive' {
    = if !0 {
    - `vv' MaxMin `maxmin', nooutput `score' `options' moptobj(`moptobj'
> )
    = version 18.5: MaxMin maximize, nooutput  nolog search(off) moptobj
> ()

> ----- begin mopt.Max
> Min
    - local vv : di "version " string(_caller()) ":"
    - version 12
    - ChkMacros

> ----- begin mopt.ChkMac
> ros
    - if "$ML_stat" != "model" {
    = if "model" != "model" {
        di as err "you must issue -ml model- first"
        exit 198
    }
    - capture confirm var $ML_samp $ML_w $ML_subv
    = capture confirm var __000005 __000005
    - if c(rc) {
        di as err "Since issuing the -ml model- statement, you have do
> ne something to drop" _n "temporary variables ml added to your data.  You mu
> st start again."
        Clear
        exit 111
    }

> ----- end mopt.ChkMac
> ros
    - syntax name(name=maxmin) [, NEGH TOLerance(numlist max=1 >=0) LT
> OLerance(numlist max=1 >=0) NONRTOLerance NRTOLerance(numlist max=1 >=0) QTO
> Lerance(numlist max=1 >=0) GTOLerance(numlist max=1 >=0) ITERate(numlist max
> =1 >=0) NOTCONCAVE(numlist max=1 >=0) ndami DIFFicult HALFSTEPonly DOOPT SEA
> rch(name) Repeat(passthru) Bounds(string) SCore(string) noWARNing noCLEAR NO
> LOf LOG DOTs SHOWTOLerance SHOWNrtolerance SHOWSTEP TRace COEFDiffs GRADient
> HESSian noSKIpline noOUTput Level(cilevel) moptobj(string) * ]
    - if `:length local nrtolerance' {
    = if 0 {
        opts_exclusive "nrtolerance() `nonrtolerance'"
    }
    - if `:length local qtolerance' {

```

```

= if 0 {
  opts_exclusive "qtolerance() `nonrtolerance'"
}
- opts_exclusive "`nonrtolerance' `shownrtolerance'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
  = local opts
  - local n 0
  - while ```opts'`` != "" {
  = while `""' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
  = if 0 < 2 {
    - exit
  }

```

```

> ----- end opts_exclus
> ive -----
  - if `:length local shownrtolerance' {
  = if 0 {
    local showtolerance showtolerance
  }
  - if "$ML_preserve" != "no" {
  = if "no" != "no" {
    if `:length local score' {
      di as smcl as err "May not specify {bf:score()} option unless" _
> n "      a) estimation subsample is the entire data in memory, or" _n "      b
> ) you specify option {bf:nopreserve} on {bf:ml model} statement (meaning" _n
> "      your evaluation program explicitly restricts itself to obs" _n "
>      for which {bf:$}" "{bf:ML_samp==1}."
      exit 198
    }
    preserve
    local N = c(N)
    quietly keep if $ML_sample
    if (`N' != c(N)) {
      mata: Mopt_init_regetviews()
    }
  }
  - if `:length local score' {

```



```

= if 0 {
    SetupScore `"$ML_evaltype"' `""score""' $ML_n $ML_dim
    local scores ""s(scores)""
}
- _parse_iterlog, `nolog' `log'
= _parse_iterlog, nolog
_____
> _____ begin _parse_iter
> log _____
    - version 16
    - syntax [, NOLOG LOG]
    - if ""log'`nolog'"" != "" {
= if "nolog" != "" {
    - opts_exclusive ""log' `nolog'""
= opts_exclusive " nolog"
_____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts nolog
    - local n 0
    - while `""opts'"" != "" {
= while `""nolog"" != "" {
    - local ++n
    - gettoken item`n' opts : opts, bind
= gettoken item1 opts : opts, bind
    - }
    - while `""opts'"" != "" {
= while `"" != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 1 < 2 {
    - exit
_____
> _____ end opts_exclus
> ive _____
    - }
    - else if ""c(iterlog)"" == "on" {
= else if "on" == "on" {
        local log log
    }
    - else {

```

```

        local nolog nolog
    }
    - sreturn local log `log'
    = sreturn local log
    - sreturn local nolog `nolog'
    = sreturn local nolog nolog
}
end _parse_iter
> log
- local log "`s(nolog)'"
= local log "nolog"
- local tropts `log' `dots' `showtolerance' `showstep' `trace' `co
> efdiffs'
= local tropts nolog
- if "`tropts'" != "nolog" {
= if "nolog" != "nolog" {
    local tropts `tropts' `gradient' `hessian'
    if "`skipline'" == "" {
    if "`iterate'" != "0" | `:length local tropts' {
    di
    }
    }
    }
- else {
- local gradient
- local hessian
- local nolog nolog
- }
- if "`search'" != "off" & "`iterate'" != "0" {
= if "off" != "off" & "" != "0" {
    if "`search'" == "quietly" {
    local sopts nolog
    }
    else {
    if `:length local tropts' {
    if "`tropts'" != "nolog" {
    local sopts trace
    }
    else local sopts nolog
    }
    }
    if "`search'" == "norescale" {
    local sopts `sopts' norescale
    }
    Search `bounds', nopreserve `sopts' `repeat' `maxmin'
    }
}

```

```

- tempname value b V iV
- `vv' mata: Mopt_maxmin()
= version 18.5: mata: Mopt_maxmin()

> _____ begin poiss
> _lf _____
- version 6
- args todo b lnf g H score
- tempvar xb
- mlevel `xb' = `b'
= mlevel __00000P = __00000J
- mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
= mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
- if `todo' == 0 | `lnf'==. {
= if 2 == 0 | __00000K==. {
    exit
  }
- qui replace `score' = $ML_y1 - exp(`xb') if $ML_samp
= qui replace __00000N = piq_timing_max - exp(__00000P) if __000
> 005
- $ML_ec mlevelsum `lnf' `g' = `score'
= * mlevelsum __00000K __00000L = __00000N
- if `todo' == 1 | `lnf'==. {
= if 2 == 1 | __00000K==. {
    exit
  }
- mlevelsum `lnf' `H' = exp(`xb')
= mlevelsum __00000K __00000M = exp(__00000P)

> _____ end poiss
> _lf _____
> _____ begin poiss
> _lf _____
- version 6
- args todo b lnf g H score
- tempvar xb
- mlevel `xb' = `b'
= mlevel __00000P = __00000J
- mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
= mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
- if `todo' == 0 | `lnf'==. {
= if 0 == 0 | __00000K==. {
    exit
  }

```

```

> _____ end poiss
> _lf _____

> _____ begin poiss
> _lf _____
    - version 6
    - args todo b lnf g H score
    - tempvar xb
    - mlevel `xb' = `b'
    = mlevel __00000P = __00000J
    - mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
    = mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
    - if `todo' == 0 | `lnf'==. {
    = if 0 == 0 | __00000K==. {
    - exit

> _____ end poiss
> _lf _____

> _____ begin poiss
> _lf _____
    - version 6
    - args todo b lnf g H score
    - tempvar xb
    - mlevel `xb' = `b'
    = mlevel __00000P = __00000J
    - mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
    = mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
    - if `todo' == 0 | `lnf'==. {
    = if 2 == 0 | __00000K==. {
    exit
    }
    - qui replace `score' = $ML_y1 - exp(`xb') if $ML_samp
    = qui replace __00000N = piq_timing_max - exp(__00000P) if __000
> 005
    - $ML_ec mlsun `lnf' `g' = `score'
    = * mlsun __00000K __00000L = __00000N
    - if `todo' == 1 | `lnf'==. {
    = if 2 == 1 | __00000K==. {
    exit
    }
    - mlsun `lnf' `H' = exp(`xb')
    = mlsun __00000K __00000M = exp(__00000P)

```

```

> _____ end poiss
> _lf _____

> _____ begin poiss
> _lf _____
    - version 6
    - args todo b lnf g H score
    - tempvar xb
    - mlevel `xb' = `b'
    = mlevel __00000P = __00000J
    - mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
    = mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
    - if `todo' == 0 | `lnf'==. {
    = if 0 == 0 | __00000K==. {
    - exit

> _____ end poiss
> _lf _____

> _____ begin poiss
> _lf _____
    - version 6
    - args todo b lnf g H score
    - tempvar xb
    - mlevel `xb' = `b'
    = mlevel __00000P = __00000J
    - mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
    = mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
    - if `todo' == 0 | `lnf'==. {
    = if 0 == 0 | __00000K==. {
    - exit

> _____ end poiss
> _lf _____

> _____ begin poiss
> _lf _____
    - version 6
    - args todo b lnf g H score
    - tempvar xb
    - mlevel `xb' = `b'
    = mlevel __00000P = __00000J
    - mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)

```

```

= mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
- if `todo' == 0 | `lnf'==. {
= if 2 == 0 | __00000K==. {
    exit
  }
- qui replace `score' = $ML_y1 - exp(`xb') if $ML_samp
= qui replace __00000N = piq_timing_max - exp(__00000P) if __000
> 005

- $ML_ec mlsun `lnf' `g' = `score'
= * mlsun __00000K __00000L = __00000N
- if `todo' == 1 | `lnf'==. {
= if 2 == 1 | __00000K==. {
    exit
  }
- mlsun `lnf' `H' = exp(`xb')
= mlsun __00000K __00000M = exp(__00000P)

> _____ end poiss
> _lf _____

> _____ begin poiss
> _lf _____

- version 6
- args todo b lnf g H score
- tempvar xb
- mlevel `xb' = `b'
= mlevel __00000P = __00000J
- mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
= mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
- if `todo' == 0 | `lnf'==. {
= if 0 == 0 | __00000K==. {
    exit
  }

> _____ end poiss
> _lf _____

> _____ begin poiss
> _lf _____

- version 6
- args todo b lnf g H score
- tempvar xb
- mlevel `xb' = `b'
= mlevel __00000P = __00000J
- mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)

```

```

        = mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
    - if `todo' == 0 | `lnf'==. {
    = if 0 == 0 | __00000K==. {
    - exit
    _____
> _____ end poiss
> _lf _____
    _____
> _____ begin poiss
> _lf _____
    - version 6
    - args todo b lnf g H score
    - tempvar xb
    - mlevel `xb' = `b'
    = mlevel __00000P = __00000J
    - mlsun `lnf' = -exp(`xb') + `xb'*$ML_y1 - lngamma($ML_y1+1)
    = mlsun __00000K = -exp(__00000P) + __00000P*piq_timing_max - ln
> gamma(piq_timing_max+1)
    - if `todo' == 0 | `lnf'==. {
    = if 2 == 0 | __00000K==. {
    exit
    }
    - qui replace `score' = $ML_y1 - exp(`xb') if $ML_samp
    = qui replace __00000N = piq_timing_max - exp(__00000P) if __000
> 005
    - $ML_ec mlvecsum `lnf' `g' = `score'
    = * mlvecsum __00000K __00000L = __00000N
    - if `todo' == 1 | `lnf'==. {
    = if 2 == 1 | __00000K==. {
    exit
    }
    - mlmatsum `lnf' `H' = exp(`xb')
    = mlmatsum __00000K __00000M = exp(__00000P)
    _____
> _____ end poiss
> _lf _____
    _____
> _____ begin mopt_p
> ost _____
    - args b V C wgt touse depvar
    - if `:length local touse' {
    = if 8 {
    - tempname esamp
    - quietly gen byte `esamp' = `touse'
    = quietly gen byte __00000S = __000005

```

```

- }
- ereturn post `b' `V' `C' `wgt', esample(`esamp') depname(`depv
> ar') buildfvinfo
= ereturn post __00000P __00000Q __00000R [], esample(__00000S)
> depname(piq_timing_max) buildfvinfo
_____
> _____ end mopt_p
> ost _____
- ereturn scalar k_eq_model = abs($ML_waldtest)
= ereturn scalar k_eq_model = abs(-1)
- if `:length global ML_ll_0' {
= if 18 {
- ereturn scalar ll_0 = $ML_ll_0
= ereturn scalar ll_0 = -400.0562426994474
- if `:length global ML_rank0' {
= if 0 {
ereturn scalar rank0 = $ML_rank0
ereturn scalar df_m = e(rank) - $ML_rank0
}
- else ereturn scalar df_m = e(rank) - $ML_k0
= else ereturn scalar df_m = e(rank) - 1
- }
- if !`:length global ML_ll_0' | inlist(e(vce), "robust", "cluster
> ", "linearized") {
= if !18 | inlist(e(vce), "robust", "cluster", "linearized") {
- if "$ML_svy" == "" {
= if "" == "" {
- _prefix_model_test, minimum
_____
> _____ begin _prefix_model_t
> est _____
- version 9
- syntax [name(name=cmd)] [, svy noADJust noSVYadjust MINimum ]
- if (inlist("`cmd'", "asmixlogit", "cmmixlogit", "cmxtmixlogit"))
> {
= if (inlist("", "asmixlogit", "cmmixlogit", "cmxtmixlogit")) {
_ asmixtest, `svy' `adjust' `svyadjust'
exit
}
- local K = 1
- if "`e(k_eq_model)'" != "" {
= if "1" != "" {
- capture confirm integer number `e(k_eq_model)'
= capture confirm integer number 1
- if ! c(rc) {
- local K = e(k_eq_model)

```



```

- }
- }
- if "`e(k_eq_model_skip)'" != "" {
= if "" != "" {
    capture confirm integer number `e(k_eq_model_skip)'
    if ! c(rc) {
        local skip = e(k_eq_model_skip)
    }
}
- ereturn local df_m
- ereturn local F
- ereturn local chi2
- ereturn local chi2type
- ereturn local p
- if (`K' == 0) {
= if (1 == 0) {
    exit
}
- forval i = 1/`K' {
= forval i = 1/1 {
- if !`:list i in skip' {
= if !0 {
- local spec "`spec' ([#`i'])"
= local spec " ([#1])"
- }
- }
- tempname cns omit
- capture matrix `cns' = get(Cns)
= capture matrix __00000S = get(Cns)
- if (c(rc)) local cns
- if "`cns'" != "" {
= if "__00000S" != "" {
- local k_autoCns = e(k_autoCns)
- if missing(`k_autoCns') {
= if missing(31) {
    local k_autoCns 0
}
- if rowsof(`cns') == `k_autoCns' {
= if rowsof(__00000S) == 31 {
- local cns
- }
- }
- if "`svy'" != "" & "`adjust'`svyadjust'" != "" {
= if "" != "" & "" != "" {
    local adjust nosvyadjust
}

```

```

- else local adjust
- _ms_omit_info e(b), nocons
- matrix `omit' = r(omit)
= matrix __00000T = r(omit)
- capture test `spec', `adjust'
= capture test ([#1]),

> ----- begin t
> est -----
- if "`e(cmd)'" == "anova" | "`e(cmd)'" == "manova" {
= if "mopt" == "anova" | "mopt" == "manova" {
  AnovaTestChooser `0'
  return add
  exit
}
- if "`e(cmd)'" == "mixed" {
= if "mopt" == "mixed" {
  MixedTestChooser `0'
  return add
  exit
}
- if _caller() < 8 {
  _test `0'
  return add
  exit
}
- is_svy

> ----- begin is_
> svy -----
- version 8
- syntax [, Regression]
- if ``e(prefix)'" == "svy" {
= if `""' == "svy" {
  return scalar is_svy = 1
}
- else if "`regression'" == "" {
= else if "" == "" {
- return scalar is_svy = ("`e(N_psu)'" != "")
= return scalar is_svy = (" != ")
- }
- else {
  capt mat list e(b)
  local rc = _rc
  return scalar is_svy = ("`e(N_psu)'" != "") & (`rc' == 0)
}

```

```

> _____ end is_
> svy _____
    - local is_svy = r(is_svy)
    - if replay() & `is_svy' == 0 {
= if replay() & 0 == 0 {
    _test `0'
    return add
    exit
    }
    - version 8
    - WaldTest `is_svy' `0'
= WaldTest 0 ([#1]),
_____

> _____ begin test.WaldT
> est _____
    - gettoken is_svy 0 : 0
    - if ``is_svy'" == "1" {
= if "0" == "1" {
    if ``e(complete)'" == "available" {
    di as err ``must run svy command with "complete" "' "optio
> n before using this command"
    exit 301
    }
    }
    - gettoken tok : 0, parse(" (,") bind
    - local single single
    - local zero ``"0"'
= local zero ``" ([#1]), "'
    - if ``"tok"' == "(" {
= if ``(""' == "(" {
    - local single
    - while ``"tok"' == "(" {
= while ``(""' == "(" {
    - gettoken tok 0 : 0, parse(" (,") match(paren) bind
    - local eqns ``"eqns' ``"tok"'
= local eqns ``" "[#1]"
    - gettoken tok : 0, parse(" (,") bind
    - }
    - while ``"tok"' == "(" {
= while ``","' == "(" {
    gettoken tok 0 : 0, parse(" (,") match(paren) bind
    local eqns ``"eqns' ``"tok"'
    gettoken tok : 0, parse(" (,") bind
    }
    - if ``"tok"' != ", " & ``"tok"' != "" {

```

```

= if `", "' != ", " & `", "' != "" {
    local single single
    }
- }
- if "`single'"=="single" {
= if ""=="single" {
    local eqns
    local 0 ``zero''
    while ``tok'' != "" & ``tok'' != ", " {
        gettoken tok 0 : 0, parse(" ,") bind
        local eqns ``eqns' `tok''
        gettoken tok : 0, parse(" ,") bind
    }
    local eqns ``eqns''
    }
- syntax [, Accumulate noSVYadjust common CONStant MINimum M
> test Mtest2(passthru) noTest COEF matvlc(passthru) DF(numlist max=1 >0) ]
- if "`df'" != "" {
= if "" != "" {
    local dof = `df'
    }
- else if "`e(df_r)'" != "" {
= else if "" != "" {
    local dof = e(df_r)
    }
- else {
- local dof = .
- }
- if ``mtest'`mtest2'' != "" {
= if ``' != "" {
    if inlist("`e(cmd)'", "svymean", "svytotal", "svyratio") {
        di as err "`mtest option not allowed after `e(cmd)'"
        exit 301
    }
    _mtest syntax, `mtest' `mtest2'
    local mtmethod `r(method)'
    }
- if "`mtmethod'" != "" {
= if "" != "" {
    if "`test'" != "" {
        di as err "options mtest and notest may not be combined"
        exit 198
    }
    if "`accumulate'" != "" {
        di as err "options mtest and accumulate may not be combine
> d"

```

```

        exit 198
    }
}
- if `is_svy' {
= if 0 {
    if ``e(cmd)''' == "margins" {
        local vce ``e(model_vce)'''
    }
    else local vce ``e(vce)'''
    if inlist(`"vce"', "bootstrap", "sdr") {
        if missing(`dof') {
            local svyadjust nosvyadjust
        }
    }
}
- if !`is_svy' & "`svyadjust'" != "" {
= if !0 & "" != "" {
    di as err "option nosvyadjust is allowed only with svy dat
> a"

    exit 198
}
- local svy_adjust = `is_svy' & "`svyadjust'" == ""
= local svy_adjust = 0 & "" == ""
- if `svy_adjust' & missing(`dof') & (missing(e(N_psu)) | mi
> ssing(e(N_strata))) {
= if 0 & missing(.) & (missing(e(N_psu)) | missing(e(N_strat
> a))) {

    di as err "impossible to adjust p-values"
    exit 198
}
- if `is_svy' & ``test''' == "" {
= if 0 & `''' == "" {
    if "`svyadjust'" == "" {
        di _n as txt "Adjusted Wald test"
    }
    else di _n as txt "Unadjusted Wald test"
}
- local tmp : subinstr local eqns "==" "", all count(local
> nch)

- if `nch' > 0 {
= if 0 > 0 {
    di as err "==" invalid operator"
    exit 198
}
- local eqns : subinstr local eqns "==" "=", all
- ExpandExpns ``eqns''' "`common'" "`constant'"

```

```

= ExpandExpns `` ``[#1]"""" "" ""


---


> 

---

 begin test.ExpandEx
> pns 

---


    - args expns common constant
    - gettoken exp expns : expns
    - while ``exp'' != "" {
= while ``[#1]'' != "" {
    - Expand ``exp'' ``common'' ``constant''
= Expand ``[#1]'' "" ""


---


> 

---

 begin test.Exp
> and 

---


    - args exp common constant
    - local junk : substr local exp "=" "=", count(local n
> ch) all
    - if `nch' <= 1 {
= if 0 <= 1 {
    - return local explist ``exp''
= return local explist ``[#1]""
    - return local nexp 1
    - exit


---


> 

---

 end test.Exp
> and 

---


    - local explist ``explist' `r(explist)''
= local explist `` ``[#1]""
    - local nexp = `nexp' + `r(nexp)'
= local nexp = + 1
    - gettoken exp expns : expns
    - }
    - while ``exp'' != "" {
= while ``'' != "" {
        Expand ``exp'' ``common'' ``constant''
        local explist ``explist' `r(explist)''
        local nexp = `nexp' + `r(nexp)'
        gettoken exp expns : expns
    }
    - return local explist ``explist''
= return local explist `` ``[#1]""
    - return local nexp `nexp'
= return local nexp 1


---


> 

---

 end test.ExpandEx
> pns 

---


    - local explist ``r(explist)''

```

```

= local explist `"'`"[#1]"'
- local nexp `r(nexp)'
= local nexp 1
- local acc `accumulate'
= local acc
- foreach exp of local explist {
- quietly _test `exp' , `acc' `common' `constant' notest
= quietly _test [#1] , notest
- local acc acc
- }
- if "`test'" == "notest" {
= if "" == "notest" {
    _test , notest
    exit
    }
- quietly _test , `matvlc'
= quietly _test ,
- if `dof' < . {
= if . < . {
    local testtype F
    tempname F df1 df2 p drop
    if "`r(F)'" != "" {
        scalar `F' = r(F)
    }
    else {
        scalar `F' = r(chi2)/r(df)
    }
    scalar `df1' = r(df)
    scalar `df2' = `dof'
    scalar `p' = Ftail(`df1', `df2', `F')
    scalar `drop' = r(drop)
    }
- else {
- local testtype chi2
- tempname chi2 df1 p drop
- scalar `chi2' = r(chi2)
= scalar __00000U = r(chi2)
- scalar `df1' = r(df)
= scalar __00000V = r(df)
- scalar `p' = r(p)
= scalar __00000W = r(p)
- scalar `drop' = r(drop)
= scalar __00000X = r(drop)
- }
- local i 1
- while "`r(dropped_`i')'" != "" {

```

```

= while "4" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_1 4
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "6" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_2 6
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "7" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_3 7
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "8" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_4 8
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "9" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_5 9
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "10" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_6 10
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "11" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_7 11
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "13" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_8 13
- local ++i

```



```

- }
- while ``r(dropped_`i')`` != "" {
= while "15" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_9 15
- local ++i
- }
- while ``r(dropped_`i')`` != "" {
= while "16" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_10 16
- local ++i
- }
- while ``r(dropped_`i')`` != "" {
= while "18" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_11 18
- local ++i
- }
- while ``r(dropped_`i')`` != "" {
= while "19" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_12 19
- local ++i
- }
- while ``r(dropped_`i')`` != "" {
= while "20" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_13 20
- local ++i
- }
- while ``r(dropped_`i')`` != "" {
= while "21" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_14 21
- local ++i
- }
- while ``r(dropped_`i')`` != "" {
= while "22" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_15 22
- local ++i
- }
- while ``r(dropped_`i')`` != "" {
= while "23" != "" {
- local dropped_`i' `r(dropped_`i')'

```

```

= local dropped_16 23
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "24" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_17 24
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "25" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_18 25
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "26" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_19 26
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "29" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_20 29
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "30" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_21 30
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "31" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_22 31
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "32" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_23 32
- local ++i
- }
- while "`r(dropped_`i')'" != "" {

```

```

= while "34" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_24 34
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "35" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_25 35
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "37" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_26 37
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "38" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_27 38
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "39" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_28 39
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "40" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_29 40
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "41" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_30 41
- local ++i
- }
- while "`r(dropped_`i')'" != "" {
= while "42" != "" {
- local dropped_`i' `r(dropped_`i')'
= local dropped_31 42
- local ++i

```

```

- }
- while "`r(dropped_`i')'" != "" {
= while "" != "" {
    local dropped_`i' `r(dropped_`i')'
    local ++i
}
- if `svy_adjust' {
= if 0 {
    if "`df'" != "" {
        local svy_d = `df'
    }
    else if !missing(e(df_r)) {
        local svy_d = e(df_r)
    }
    else local svy_d = e(N_psu)-e(N_strata)
    if missing(`svy_d') {
        di as err "internal error in adjustment for svy"
        exit 10001
    }
    if "`testtype'" == "F" {
        scalar `F' = ((`svy_d'-`df1'+1)/`svy_d') * `F'
    }
    else {
        tempname F df2
        scalar `F' = ((`svy_d'-`df1'+1)/(`svy_d'*`df1')) * `chi2'
    }
    scalar `df2' = `svy_d' - `df1' + 1
    if `df2' < 0 {
        scalar `F' = .
    }
    scalar `p' = Ftail(`df1', `df2', `F')
    local testtype F
}
- if "`mtmethod'" != "" {
= if "" != "" {
    tempname R r Rr V b VR tm Wald
    mat `V' = e(V)
    mat `b' = e(b)
    mat `Rr' = get(Rr)
    local nb = rowsof(`V')
    local nr = rowsof(`Rr')
    mat `R' = `Rr'[1...,1..`nb']
    mat `VR' = `R'*`V'*`R''
    mat `r' = `R'*`b'' - `Rr'[1...,`= `nb'+1']
    mat `Wald' = `r'*syminv(`VR')*`r'
    mat `tm' = J(`nr', 3, .)

```

```

mat colnames `tm' = `testtype' df p
forvalues it = 1 / `nr' {
mat `Wald' = `r'[`it',1]^2 / `VR'[`it',`it']
mat `tm'[`it',1] = `Wald'[1,1]
mat `tm'[`it',2] = 1
if `svy_adjust' {
mat `tm'[`it',3] = Ftail(1,`svy_d',`tm'[`it',1])
}
else if "`testtype'" == "chi2" {
mat `tm'[`it',3] = chi2tail(1,`tm'[`it',1])
}
else {
mat `tm'[`it',3] = Ftail(1,`df2',`tm'[`it',1])
}
}
if "`mtmethod'" != "noadjust" {
_mtest adjust `tm', mtest(`mtmethod') pindex(3) append
mat `tm' = r(result)
local pindex 4
}
else local pindex 3
}
- _test, notest
- local i 1
- while "`dropped_`i'" != "" {
= while "4" != "" {
- di as txt "      Constraint `dropped_`i' dropped"
= di as txt "      Constraint 4 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "6" != "" {
- di as txt "      Constraint `dropped_`i' dropped"
= di as txt "      Constraint 6 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "7" != "" {
- di as txt "      Constraint `dropped_`i' dropped"
= di as txt "      Constraint 7 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "8" != "" {
- di as txt "      Constraint `dropped_`i' dropped"
= di as txt "      Constraint 8 dropped"

```

```

- local ++i
- }
- while "`dropped_`i'" != "" {
= while "9" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 9 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "10" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 10 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "11" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 11 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "13" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 13 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "15" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 15 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "16" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 16 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "18" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 18 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "19" != "" {

```

```

- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 19 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "20" != "" {
- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 20 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "21" != "" {
- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 21 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "22" != "" {
- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 22 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "23" != "" {
- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 23 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "24" != "" {
- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 24 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "25" != "" {
- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 25 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "26" != "" {
- di as txt "          Constraint `dropped_`i'' dropped"
= di as txt "          Constraint 26 dropped"
- local ++i
- }

```

```

- while "`dropped_`i'" != "" {
= while "29" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 29 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "30" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 30 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "31" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 31 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "32" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 32 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "34" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 34 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "35" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 35 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "37" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 37 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "38" != "" {
- di as txt "      Constraint `dropped_`i'" dropped"
= di as txt "      Constraint 38 dropped"

```



```

- local ++i
- }
- while "`dropped_`i'" != "" {
= while "39" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 39 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "40" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 40 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "41" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 41 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "42" != "" {
- di as txt "          Constraint `dropped_`i'" dropped"
= di as txt "          Constraint 42 dropped"
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "" != "" {
  di as txt "          Constraint `dropped_`i'" dropped"
  local ++i
}
- if "`mtmethod'" == "" {
= if "" == "" {
- di
- if "`testtype'" == "chi2" {
= if "chi2" == "chi2" {
- di as txt _col(12) "chi2(" %3.0f `df1' ") =" as res %8.2f
> `chi2'
= di as txt _col(12) "chi2(" %3.0f __00000V ") =" as res %8.
> 2f __00000U
- di as txt _col(10) "Prob > chi2 = " as res %8.4f `p'
= di as txt _col(10) "Prob > chi2 = " as res %8.4f __00000W
- }
- else {
  di as txt "          F(" %3.0f `df1' "," %6.0f `df2' ") =" as
> res %8.2f `F'

```

```

        di as txt _col(13) "Prob > F =" as res %10.4f `p'
    }
- }
- else {
    local nexp = rowsof(`tm')
    local nc = colsof(`tm')
    if "`testtype'" == "F" {
        local d "F(df,`=df2'')"
        local dip "p > F"
    }
    else {
        local d chi2
        local dip "p > chi2"
    }
    di
    di as txt "{hline 7}{c TT}{hline 30}"
    di as txt "          {c |}{ralign 12:`d'}          df{ralign 11:`d
> ip'}"

    di as txt "{hline 7}{c +}{hline 30}"
    forvalues it = 1 / `nexp' {
        di as txt "    (`it') {c |}" as res _col(12) %9.2f `tm'[`it
> ',1] _col(22) %6.0f `tm'[`it',2] _col(33) %6.4f `tm'[`it',pindex'] as txt "
> *"

    }
    di as txt "{hline 7}{c +}{hline 30}"
    di as txt "    All {c |}" as res _col(12) %9.2f ``testtype'
> ' _col(22) %6.0f `df1' _col(33) %6.4f `p'
    di as txt "{hline 7}{c BT}{hline 30}"
    _mtest footer 1 "`mtmethod'" "*"
    }
- if "`coef'" != "" {
= if "" != "" {
    Table
    }
- return scalar p = `p'
= return scalar p = __00000W
- return scalar df = `df1'
= return scalar df = __00000V
- if "`testtype'" == "F" {
= if "chi2" == "F" {
    return scalar F = `F'
    return scalar df_r = `df2'
    }
- else return scalar chi2 = `chi2'
= else return scalar chi2 = __00000U
- return scalar drop = `drop'

```

```

= return scalar drop = __00000X
- local i 1
- while "`dropped_`i'" != "" {
= while "4" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_1 = 4
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "6" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_2 = 6
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "7" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_3 = 7
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "8" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_4 = 8
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "9" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_5 = 9
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "10" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_6 = 10
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "11" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_7 = 11
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "13" != "" {

```

```

- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_8 = 13
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "15" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_9 = 15
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "16" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_10 = 16
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "18" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_11 = 18
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "19" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_12 = 19
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "20" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_13 = 20
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "21" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_14 = 21
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "22" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_15 = 22
- local ++i
- }

```

```

- while "`dropped_`i'" != "" {
= while "23" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_16 = 23
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "24" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_17 = 24
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "25" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_18 = 25
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "26" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_19 = 26
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "29" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_20 = 29
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "30" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_21 = 30
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "31" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_22 = 31
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "32" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_23 = 32

```

```

- local ++i
- }
- while "`dropped_`i'" != "" {
= while "34" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_24 = 34
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "35" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_25 = 35
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "37" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_26 = 37
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "38" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_27 = 38
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "39" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_28 = 39
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "40" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_29 = 40
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "41" != "" {
- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_30 = 41
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "42" != "" {

```

```

- return scalar dropped_`i' = `dropped_`i''
= return scalar dropped_31 = 42
- local ++i
- }
- while "`dropped_`i'" != "" {
= while "" != "" {
  return scalar dropped_`i' = `dropped_`i''
  local ++i
}
- if "`mtmethod'" != "" {
= if "" != "" {
  return matrix mtest `tm'
  return local mtmethod `mtmethod'
}
}

> _____ end test.WaldT
> est _____
- return add
}

> _____ end t
> est _____
- if !c(rc) {
- if `:length local minimum' {
= if 7 {
- quietly test, min
}

> _____ begin t
> est _____
- if "`e(cmd)'" == "anova" | "`e(cmd)'" == "manova" {
= if "mopt" == "anova" | "mopt" == "manova" {
  AnovaTestChooser `0'
  return add
  exit
}
- if "`e(cmd)'" == "mixed" {
= if "mopt" == "mixed" {
  MixedTestChooser `0'
  return add
  exit
}
- if _caller() < 8 {
  _test `0'
  return add
  exit
}
- is_svy

```

```

> _____ begin is_
> svy _____
    - version 8
    - syntax [, Regression]
    - if ``e(prefix)'' == "svy" {
= if `""' == "svy" {
    return scalar is_svy = 1
    }
    - else if "`regression'" == "" {
= else if "" == "" {
    - return scalar is_svy = (`e(N_psu)' != "")
= return scalar is_svy = ("" != "")
    - }
    - else {
    capt mat list e(b)
    local rc = _rc
    return scalar is_svy = (`e(N_psu)' != "") & (`rc' == 0)
    }
    _____

> _____ end is_
> svy _____
    - local is_svy = r(is_svy)
    - if replay() & `is_svy' == 0 {
= if replay() & 0 == 0 {
    - _test `0'
= _test , min
    - return add
    - exit
    _____

> _____ end t
> est _____
    - }
    - ereturn scalar df_m = r(df)
    - local drop = r(drop)
    - if `drop' {
= if 1 {
    - local drop 0
    - local i 1
    - local idrop ``r(dropped_`i')''
= local idrop `4'
    - while ``idrop'" != "" {
= while "4" != "" {
    - if !`omit'[1,`idrop'] {
= if !__00000T[1,4] {
    local ++drop

```



```

    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``6''
- }
- while ``idrop'' != "" {
= while "6" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,6] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``7''
- }
- while ``idrop'' != "" {
= while "7" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,7] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``8''
- }
- while ``idrop'' != "" {
= while "8" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,8] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``9''
- }
- while ``idrop'' != "" {
= while "9" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,9] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``10''
- }
- while ``idrop'' != "" {

```

```

= while "10" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,10] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``11''
- }
- while ``idrop' != "" {
= while "11" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,11] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``13''
- }
- while ``idrop' != "" {
= while "13" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,13] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``15''
- }
- while ``idrop' != "" {
= while "15" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,15] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``16''
- }
- while ``idrop' != "" {
= while "16" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,16] {
    local ++drop
  }
- local ++i

```

```

- local idrop ``r(dropped_`i')''
= local idrop `18'
- }
- while ``idrop' != '' {
= while "18" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,18] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop `19'
- }
- while ``idrop' != '' {
= while "19" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,19] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop `20'
- }
- while ``idrop' != '' {
= while "20" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,20] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop `21'
- }
- while ``idrop' != '' {
= while "21" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,21] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop `22'
- }
- while ``idrop' != '' {
= while "22" != "" {
- if !`omit'[1,`idrop'] {

```

```

= if !__00000T[1,22] {
    local ++drop
}
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``23''
- }
- while ``idrop' != "" {
= while "23" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,23] {
    local ++drop
}
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``24''
- }
- while ``idrop' != "" {
= while "24" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,24] {
    local ++drop
}
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``25''
- }
- while ``idrop' != "" {
= while "25" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,25] {
    local ++drop
}
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``26''
- }
- while ``idrop' != "" {
= while "26" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,26] {
    local ++drop
}
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``29''

```

```

- }
- while ``idrop'' != "" {
= while "29" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,29] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop ``30''
- }
- while ``idrop'' != "" {
= while "30" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,30] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop ``31''
- }
- while ``idrop'' != "" {
= while "31" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,31] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop ``32''
- }
- while ``idrop'' != "" {
= while "32" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,32] {
    local ++drop
  }
- local ++i
- local idrop ``r(dropped_`i')''
= local idrop ``34''
- }
- while ``idrop'' != "" {
= while "34" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,34] {
    local ++drop

```

```

    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``35''
- }
- while ``idrop'' != "" {
= while "35" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,35] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``37''
- }
- while ``idrop'' != "" {
= while "37" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,37] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``38''
- }
- while ``idrop'' != "" {
= while "38" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,38] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``39''
- }
- while ``idrop'' != "" {
= while "39" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,39] {
    local ++drop
    }
- local ++i
- local idrop ``r(dropped_`i')'''
= local idrop ``40''
- }
- while ``idrop'' != "" {

```

```

= while "40" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,40] {
  local ++drop
}
- local ++i
- local idrop ```r(dropped_`i')''''
= local idrop ``41''
- }
- while ``idrop' != "" {
= while "41" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,41] {
  local ++drop
}
- local ++i
- local idrop ```r(dropped_`i')''''
= local idrop ``42''
- }
- while ``idrop' != "" {
= while "42" != "" {
- if !`omit'[1,`idrop'] {
= if !__00000T[1,42] {
  local ++drop
}
- local ++i
- local idrop ```r(dropped_`i')''''
= local idrop `''''
- }
- while ``idrop' != "" {
= while "" != "" {
  if !`omit'[1,`idrop'] {
    local ++drop
  }
  local ++i
  local idrop ```r(dropped_`i')''''
}
- }
- if `drop' == 0 | ``cns' != "" {
= if 0 == 0 | "" != "" {
- if !missing(e(df_r)) {
  ereturn scalar F = r(F)
}
- else {
- ereturn scalar chi2 = r(chi2)
- ereturn local chi2type Wald

```

```

- }
- ereturn scalar p = r(p)
- }
- else {
  if !missing(e(df_r)) {
    ereturn scalar F = .
  }
  else {
    ereturn scalar chi2 = .
    ereturn local chi2type Wald
  }
  ereturn scalar p = .
}
- }
- else {
  if missing(e(df_r)) {
    ereturn local chi2type Wald
  }
  ereturn scalar df_m = 0
}

_____ end _prefix_model_t
> est _____
- }
- else {
  _prefix_model_test, $ML_svy $ML_noadj
}
- }
- else if `:length global ML_ll_0' {
= else if 18 {
  if ``"maxmin" == "minimize" {
    ereturn scalar chi2 = -2*(e(ll)-e(ll_0))
  }
  else {
    ereturn scalar chi2 = 2*(e(ll)-e(ll_0))
  }
  ereturn scalar p = chi2tail(e(df_m), e(chi2))
  ereturn local chi2type "LR"
}
- if `:length global ML_wexp' {
= if 0 {
  ereturn local wtype ``$ML_wtyp"
  ereturn local wexp ``$ML_wexp"
}
- if `:length global ML_group' {
= if 0 {

```



```

        ereturn local group `"$ML_group"'
        if `"'e(clustvar)'" == "$ML_grp" & "$ML_grp" != "" {
        ereturn local clustvar `"$ML_group"'
        }
    }
- ereturn local cmd "ml"
- if `:length local score' {
= if 0 {
    mata: Mopt_score(0)
    ereturn local scorevars `scores'
    }
- if "$ML_preserve" != "no" {
= if "no" != "no" {
    restore
    if `"'e(prefix)'" == "svy" & e(N_strata_omit) {
    tempname v
    quietly _svy2 $ML_sample if $ML_sample, type(total) svy v(`v') s
> ubpop(`e(subpop)') touse($ML_sample)
    }
    ereturn repost, esample($ML_sample)
    }
- if `"'moptobj'" != "" {
= if `""' != "" {
    local clear noclear
    }
- if !`:length local clear' {
= if !0 {
- Clear
    }
}

> ----- begin mopt.Cl
> ear -----
    - syntax [, NOTANOPTION]
    - capture drop $ML_w
    = capture drop __000005
    - capture drop $ML_samp
    = capture drop __000005
    - capture drop $ML_sample
    = capture drop __000005
    - capture drop $ML_subv
    = capture drop
    - capture drop $ML_grp
    = capture drop
    - mata: Mopt_drop_external()
    - macro drop ML_*
    }
}

> ----- end mopt.Cl

```

```

> ear -----
    - }
    - else {
      capture confirm var $ML_sample
      if c(rc) {
        quietly gen byte $ML_sample = e(sample)
      }
    }
    - if `:length local output' == 0 {
      = if 8 == 0 {
        Display, level(`level') `options'
      }
    }
-----

> ----- end mopt.Max
> Min -----
    - }
-----

> ----- end mopt.Mo
> del -----
    - if c(rc) {
      local rc = c(rc)
      Clear
      exit `rc'
    }
    - exit
-----

> ----- end m
> opt -----
    - exit
-----

> ----- end
> ml -----
    - if "`score'" != "" {
      = if "" != "" {
        label var `scvar' "Score index from poisson"
        rename `scvar' `score'
        est local scorevars `score'
      }
    - est scalar r2_p = 1 - e(ll)/e(ll_0)
    - est hidden local gof "poiss_g"
    - est local offset "`offvar'"
    = est local offset ""
    - est local offset1
    - est local estat_cmd "poisson_estat"
    - est hidden local marginsderiv default N IR
    - est local predict "poisso_p"

```

```

- est local cmd "poisson"
- global S_E_ll = e(ll)
- global S_E_ll0 `e(ll_0)'
= global S_E_ll0 -400.0562426994474
- global S_E_chi2 = e(chi2)
- global S_E_mdf = e(df_m)
- global S_E_pr2 `e(r2_p)'
= global S_E_pr2 .3133901372966762
- global S_E_nobs = e(N)
- global S_E_tdf = e(N)
- global S_E_off `e(offset)'
= global S_E_off
- global S_E_depvar `e(depvar)'
= global S_E_depvar piq_timing_max
- global S_E_cmd `e(cmd)'
= global S_E_cmd poisson
- if "`display'"==" " {
= if ""==" " {
- Display, `irr' level(`level') `diopts'
= Display, level(95)

```

```

> ----- begin poisson.Disp
> lay
- syntax [, Level(cilevel) IRr *]
- if "`irr'"!=" " {
= if ""!=" " {
local eopt "eform(IRR)"
}
- _get_diopts diopts, `options'
= _get_diopts diopts,

```

```

> ----- begin _get_dio
> pts
- version 11
- syntax namelist(max=2) [, *]
- gettoken name1 namelist : namelist
- gettoken name2 namelist : namelist
- GetDiopts diopts options, `options'
= GetDiopts diopts options,

```

```

> ----- begin _get_diopts.GetDio
> pts
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevels
> NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells NO
> OMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string) sfor
> mat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAPON(

```

```

> string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV
> ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels A
> LLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells
> EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat
> (string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passth
> ru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passth
> ru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus

```

```

> ive
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
-
-
> ----- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
-
-
> ----- end opts_exclus
> ive
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
-
-
> ----- begin opts_exclus
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
-
-
> ----- end opts_exclus
> ive
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`nocl' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts

```



```

- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}


---


> 

---

 end opts_exclus
> ive 

---


    - local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
= local baselevels
    - local emptycells `emptycells' `noemptycells'
= local emptycells
    - local omitted `omitted' `noomitted'
= local omitted
    - local lstretch `lstretch' `nolstretch'
= local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
    - local abbrev `abbrev' `noabbrev'
= local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
= if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells
    }
    - }
    - if "`omitted'" == "" {
= if "" == "" {
    - if c(showomitted) == "off" {
        local omitted noomitted
    }
    - }
    - if "`lstretch'" == "" {
= if "" == "" {
    - if c(lstretch) == "off" {

```

```

    local lstretch nolstretch
    }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth(`""cformat'""') > 9 {
        local cformat "%9.0g"
        di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat `""cformat'""'
    local cformat `"cformat(`cformat')"'
    }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth(`""sformat'""') > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat `""sformat'""'
    local sformat `"sformat(`sformat')"'
    }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`""pformat'""') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `""pformat'""'
    local pformat `"pformat(`pformat')"'
    }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraon , `fvwraon'
= Wraon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, WOrd WIdth]
- if c(rc) {
  di as err "invalid fvwrapon() option;"
  syntax [, WOrd WIdth]
  exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
      local ++n
      gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
      - exit
    }
  }

```

```

> ----- end opts_exclus
> ive -----
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
      c_local fvwrapon fvwrapon(`fvwrapon')
    }
  }

```

```

> ----- end _get_diopts.Wra
> pon -----
    - if "`fvwrap'" != "" {
    = if "" != "" {
      FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselevel
> s' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflegend
> ' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fvwr
> ap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
    = c_local diopts
    - if `K' == 2 {

```

```

= if 2 == 2 {
- c_local `c_opts' ``options'''
= c_local options `'''
- }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95
}

> ----- end _get_diopts.GetDio
> pts -----
- c_local `name1' ``diopts'''
= c_local diopts `'''
- local snames : s(macros)
- foreach sname of local snames {
- local S_`sname' = s(`sname')
= local S_level = s(level)
- }
- local S_`sname' = s(`sname')
= local S_nolog = s(nolog)
- }
- local S_`sname' = s(`sname')
= local S_deriv = s(deriv)
- }
- local S_`sname' = s(`sname')
= local S_namelist = s(namelist)
- }
- local S_`sname' = s(`sname')
= local S_optlist = s(optlist)
- }
- local S_`sname' = s(`sname')
= local S_after = s(after)
- }
- local S_`sname' = s(`sname')
= local S_before = s(before)
- }
- local S_`sname' = s(`sname')
= local S_k_fill = s(k_fill)
- }
- local S_`sname' = s(`sname')
= local S_k = s(k)
- }

```

```

- sreturn clear
- GetDiopts DEFAULT

```

```

> ----- begin _get_diopts.GetDio
> pts -----
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevels
> NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells NO
> OMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string) sfor
> mat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAPON(
> string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV
> ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels A
> LLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells
> EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat
> (string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passth
> ru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passth
> ru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``baselevels' `nobaselevels'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``emptycells' `noemptycells'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel` `nofvlabel`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted` `noomitted`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
}

```



```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist

```

```

- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus

```

```

> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
    = if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells
    }
    - }

```

```

- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `"cformat(`cformat')"'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `"sformat(`sformat')"'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `"pformat(`pformat')"'
  }
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
  }

```

```

- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
  }
- Wraapon , `fvwraapon'
= Wraapon ,

> _____ begin _get_diopts.Wra
> pon _____
  - capture syntax [, W0rd WIdth]
  - if c(rc) {
    di as err "invalid fvwraapon() option;"
    syntax [, W0rd WIdth]
    exit 198
  }
  - opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

> _____ begin opts_exclus
> ive _____
  - version 8.2
  - args opts optname errcode optslab
  - local opts `opts'
= local opts
  - local n 0
  - while ```opts'"" != "" {
= while `""' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
  - if `n' < 2 {
= if 0 < 2 {
  - exit

> _____ end opts_exclus
> ive _____
  - local fvwraapon `word' `width'
= local fvwraapon
  - if `:length local fvwraapon' {
= if 0 {
    c_local fvwraapon fvwraapon(`fvwraapon')
  }

> _____ end _get_diopts.Wra
> pon _____
  - if "`fvwrap'" != "" {

```

```

    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselevel
> s' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflegend
> ' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fvwr
> ap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbrev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95

```

```

> _____ end _get_diopts.GetDio
> pts _____
    - if ``name2'' == "" {
    = if ``' == "" {
    - GetDiopts DUPS, `options'
    = GetDiopts DUPS,

```

```

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASElevels
> NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYcells NO
> OMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string) sfor
> mat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVWRAPON(
> string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOABBREV
> ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASElevels A
> LLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells
> EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat
> (string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passth
> ru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passth
> ru) NOABBREV ABBREV *]
    - opts_exclusive ``allbaselevels' `noallbaselevels''
    = opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```



```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted` `noomitted`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch` `nolstretch`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____

```

```

- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels

```

```

- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'

```

```

    }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
}
- Wraapon , `fvwraapon'
= Wraapon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwraapon() option;"
    syntax [, W0rd WIdth]
    exit 198
}
- opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> _____ end opts_exclus
> ive _____
- local fvwrapon `word' `width'
= local fvwrapon
- if `:length local fvwrapon' {
= if 0 {
    c_local fvwrapon fvwrapon(`fvwrapon')
}

> _____ end _get_diopts.Wra
> pon _____
- if "`fvwrap'" != "" {
= if "" != "" {
    FVWrap, `fvwrap'
}
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `baselevel
> s' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coeflegend
> ' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare' `fvwr
> ap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbrev'
= c_local DUPS
- if `K' == 2 {
= if 1 == 2 {
    c_local `c_opts' ``options'
}
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

```



```

> _____ end _get_diopts.GetDio
> pts _____
- }
- else {
  GetDiopts DUPS options, `options'
  c_local `name2' ``options'
  }
- local DUPS : list DUPS - DEFAULT
- gettoken DUPS : DUPS
- if ``DUPS' != "" {
= if ``' != "" {
  if (strpos(`DUPS', "(")) {
    gettoken DUPS : DUPS, parse("(")
    local DUPS ``DUPS'()'
  }
  di as err "duplicate {bf:`DUPS'} option not allowed"
  exit 198
}
- sreturn clear
- foreach sname of local snames {
- sreturn local `sname' = ``S_`sname'
= sreturn local level = ``95'
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local nolog = ``nolog'
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local deriv = ``0'
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local namelist = ``cluster'
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local optlist = ``CLuster'
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local after = `", vce(robust)'
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local before = `", argoptlist(CLuster) optlist(OIM OPG Robus
> t) old ''
- }
- sreturn local `sname' = ``S_`sname'
= sreturn local k_fill = ``43'
- }
- sreturn local `sname' = ``S_`sname'

```

```

        = sreturn local k = ``43''
        - }
    }
end _get_dio
> pts
    - version 9: ml di, level(`level') `eopt' nofootnote `diopts'
    = version 9: ml di, level(95) nofootnote
}
> begin
> ml
    - if _caller()>=11 {
        mopt `0'
        exit
    }
    - version 8.2, missing
    - version 6, missing
    - if _caller()<6 {
        ml_5 `0'
        exit
    }
    - local caller : display string(_caller())
    - gettoken cmd 0: 0, parse(" ,")
    - local l = length(`""`cmd'""')
    = local l = length(`"di"')
    - if `""`cmd'""' == "technique" {
    = if `"di"' == "technique" {
        ml_technique `0'
        exit
    }
    - if `""`cmd'""' == "clear" {
    = if `"di"' == "clear" {
        ml_clear `0'
        exit
    }
    - if `""`cmd'""' == "hold" {
    = if `"di"' == "hold" {
        ml_hold `0'
        exit
    }
    - if `""`cmd'""' == "unhold" {
    = if `"di"' == "unhold" {
        ml_unhold `0'
        exit
    }
    - if `""`cmd'""' == "score" {
    = if `"di"' == "score" {

```

```

    if "`e(opt)'" == "moptimize" {
    mopt score `0'
    exit
    }
    ml_score `0'
    exit
    }
- if ``"cmd"=="count" {
= if ``"di"=="count" {
    ml_c_d count `0'
    exit
    }
- if ``"cmd"=="trace" {
= if ``"di"=="trace" {
    ml_c_d trace `0'
    exit
    }
- if ``"cmd"==bsubstr("graph",1,max(2,`l')) {
= if ``"di"==bsubstr("graph",1,max(2,2)) {
    ml_graph `0'
    exit
    }
- if ``"cmd"=="init" {
= if ``"di"=="init" {
    ml_init `0'
    exit
    }
- if ``"cmd"== bsubstr("maximize",1,max(3,`l')) {
= if ``"di"== bsubstr("maximize",1,max(3,2)) {
    version `caller', missing: AllowEv ml_max `0'
    exit
    }
- if ``"cmd"== bsubstr("display",1,max(2,`l')) | ``"cmd"== bsubs
> tr("mlout", 1,max(3,`l')) {
    = if ``"di"== bsubstr("display",1,max(2,2)) | ``"di"== bsubstr("mlou
> t", 1,max(3,2)) {
    - if "`e(opt)'" == "moptimize" {
    = if "moptimize" == "moptimize" {
    - mopt display `0'
    = mopt display , level(95) nofootnote

> ----- begin m
> opt -----
    - local vv : di "version " string(_caller()) ":"
    - version 12
    - gettoken subcmd 0 : 0, parse(" ,")

```

```

- local lcmd : length local subcmd
- if ""`subcmd'" == "clear" {
= if "display" == "clear" {
  Clear
  exit
}
- if ""`subcmd'" == "hold" {
= if ""display'" == "hold" {
  ml_hold `0'
  exit
}
- if ""`subcmd'" == "unhold" {
= if ""display'" == "unhold" {
  ml_unhold `0'
  exit
}
- if ""`subcmd'" == "score" {
= if "display" == "score" {
  if _caller() > 12 {
    `vv' Score `0'
  }
  else {
    Score `0'
  }
  exit
}
- if ""`subcmd'" == "count" {
= if "display" == "count" {
  Count `0'
  exit
}
- if ""`subcmd'" == "trace" {
= if "display" == "trace" {
  Trace `0'
  exit
}
- if ""`subcmd'" == bsubstr("graph",1,max(2,`lcmd')) {
= if "display" == bsubstr("graph",1,max(2,7)) {
  Graph `0'
  exit
}
- if ""`subcmd'" == "init" {
= if "display" == "init" {
  Interactive 0
  `vv' Init `0'
  exit
}

```

```

    }
    - if "`subcmd'" == bsubstr("maximize",1,max(3,`lcmd')) {
= if "display" == bsubstr("maximize",1,max(3,7)) {
    Interactive 1
    `vv' MaxMin maximize `0'
    exit
    }
    - if "`subcmd'" == bsubstr("minimize",1,max(3,`lcmd')) {
= if "display" == bsubstr("minimize",1,max(3,7)) {
    Interactive 1
    `vv' MaxMin minimize `0'
    exit
    }
    - if "`subcmd'" == bsubstr("display",1,max(2,`lcmd')) {
= if "display" == bsubstr("display",1,max(2,7)) {
    - Display `0'
= Display , level(95) nofootnote
}
> _____ begin mopt.Disp
> lay _____
    - if !inlist("`e(opt)'", "ml", "moptimize") {
= if !inlist("moptimize", "ml", "moptimize") {
    error 301
    }
    - if "`e(svyml)'" != "" | "`e(prefix)'" == "svy" {
= if "" != "" | "" == "svy" {
    _prefix_display `0'
    exit
    }
    - syntax [, Level(cilevel) PPlus noHeader First SHOWEQns NEQ(intege
> r -1) noFOOTnote NOSKIP TTitle(passthru) NOTEST * ]
    - if "`plus'" != "" {
= if "" != "" {
    local footnote nofootnote
    }
    - if `neq' >= 0 {
= if -1 >= 0 {
    local neqopt neq(`neq')
    }
    - _get_diopts diopts options, `options'
= _get_diopts diopts options,
}
> _____ begin _get_dio
> pts _____
    - version 11
    - syntax namelist(max=2) [, *]

```

```

- gettoken name1 namelist : namelist
- gettoken name2 namelist : namelist
- GetDiopts diopts options, `options'
= GetDiopts diopts options,

```

```

> ----- begin _get_diopts.GetDio
> pts -----
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASEl
> evels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYce
> lls NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(string
> ) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVW
> RAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOA
> BBREV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEle
> vels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTY
> cells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND c
> format(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(
> passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(
> passthru) NOABBREV ABBREV *]
- opts_exclusive "`allbaselevels' `noallbaselevels'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
local ++n
gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`allbaselevels' `nobaselevels'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n

```



```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```

```

- exit
- end opts_exclus
>
> ive
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive

```

```

- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive ``coding' `compare'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``versus' `compare'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive ``abbrev' `noabbrev'
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
    = if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells

```

```

    }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')"'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')"'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `pformat(`pformat')"'
  }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {

```

```

        syntax namelist(max=2) [, `DIOPTS']
    }
    - if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
        local levelopt level(`level')
    }
    - Wraapon , `fvwraapon'
= Wraapon ,

> _____ begin _get_diopts.Wra
> pon _____
        - capture syntax [, W0rd WIdth]
        - if c(rc) {
            di as err "invalid fvwraapon() option;"
            syntax [, W0rd WIdth]
            exit 198
        }
        - opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

> _____ begin opts_exclus
> ive _____
        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
= local opts
        - local n 0
        - while ``opts' != "" {
= while `"' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
= if 0 < 2 {
            - exit

> _____ end opts_exclus
> ive _____
        - local fvwraapon `word' `width'
= local fvwraapon
        - if `:length local fvwraapon' {
= if 0 {
            c_local fvwraapon fvwraapon(`fvwraapon')
        }

> _____ end _get_diopts.Wra

```

```

> pon
    - if "`fvwrap'" != "" {
    = if "" != "" {
      FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `bas
> elevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coef
> legend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare'
> `fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbre
> v'

    = c_local diopts
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options''
    = c_local options ``''
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
  }
}

> _____ end _get_diopts.GetDio
> pts
    - c_local `name1' ``diopts''
    = c_local diopts ``''
    - local snames : s(macros)
    - foreach sname of local snames {
    - local S_`sname' = s(`sname')
    = local S_level = s(level)
    - }
    - local S_`sname' = s(`sname')
    = local S_k = s(k)
    - }
    - local S_`sname' = s(`sname')
    = local S_k_fill = s(k_fill)
    - }
    - local S_`sname' = s(`sname')
    = local S_before = s(before)
    - }
    - local S_`sname' = s(`sname')
    = local S_after = s(after)
    - }

```

```

- local S_`sname' = s(`sname')
= local S_optlist = s(optlist)
- }
- local S_`sname' = s(`sname')
= local S_namelist = s(namelist)
- }
- local S_`sname' = s(`sname')
= local S_deriv = s(deriv)
- }
- local S_`sname' = s(`sname')
= local S_nolog = s(nolog)
- }
- sreturn clear
- GetDiopts DEFAULT

```

```

> _____ begin _get_diopts.GetDio
> pts _____
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASEl
> evels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYce
> lls NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string
> ) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVW
> RAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOA
> BBREV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEle
> vels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTY
> cells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND c
> format(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(
> passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(
> passthru) NOABBREV ABBREV *]
- opts_exclusive "`allbaselevels' `noallbaselevels'"
= opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'`` != "" {
= while `""' != "" {
local ++n
gettoken item`n' opts : opts, bind
}
- if `n' < 2 {

```



```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```

```

> ive -----
      - opts_exclusive "`emptycells' `noemptycells'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
          local ++n
          gettoken item`n' opts : opts, bind
        }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - opts_exclusive "`fvlabel' `nofvlabel'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
          local ++n
          gettoken item`n' opts : opts, bind
        }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - opts_exclusive "`omitted' `noomitted'"
      = opts_exclusive " "
-----

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding` `compare`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""`opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus` `compare`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""`opts`"" != "" {
= while `""` != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
= local baselevels
    - local emptycells `emptycells' `noemptycells'
= local emptycells
    - local omitted `omitted' `noomitted'
= local omitted
    - local lstretch `lstretch' `nolstretch'
= local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
    - local abbrev `abbrev' `noabbrev'
= local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
    - if c(showbaselevels) == "all" {

```

```

    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')"'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')"'
}
- if `:length local pformat' {
= if 0 {

```

```

confirm numeric format `pformat'
if fmtwidth("`pformat'") > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat "`pformat'"
local pformat `pformat(`pformat')"'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwrapon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
local ++n
gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```



```

> _____ end opts_exclus
> ive _____
      - local fvwrapon `word' `width'
      = local fvwrapon
      - if `:length local fvwrapon' {
      = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
      }
      _____

> _____ end _get_diopts.Wra
> pon _____
      - if "`fvwrap'" != "" {
      = if "" != "" {
        FVWrap, `fvwrap'
      }
      - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `bas
> elevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coef
> legend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare'
> `fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abbre
> v'
      = c_local DEFAULT
      - if `K' == 2 {
      = if 1 == 2 {
        c_local `c_opts' ``options''
      }
      - sreturn local coding `coding'
      = sreturn local coding
      - sreturn local versus `versus'
      = sreturn local versus
      - sreturn local compare `compare'
      = sreturn local compare
      - sreturn local level `level'
      = sreturn local level 95
      _____

> _____ end _get_diopts.GetDio
> pts _____
      - if ``name2'' == "" {
      = if ``options'' == "" {
        GetDiopts DUPS, `options'
      }
      - else {
      - GetDiopts DUPS options, `options'
      = GetDiopts DUPS options,
      _____

> _____ begin _get_diopts.GetDio
> pts _____

```

```

        - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBASEL
> evels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTYce
> lls NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(string
> ) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) FVW
> RAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) NOA
> BBREV ABBREV
        - syntax namelist(max=2) [, `DIOPTS' *]
        = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASEle
> vels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTY
> cells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND c
> format(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(
> passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(
> passthru) NOABBREV ABBREV *]
        - opts_exclusive "`allbaselevels' `noallbaselevels'"
        = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
        = local opts
        - local n 0
        - while ``opts' != "" {
        = while `"' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit


---


> 

---

 end opts_exclus
> ive 

---


        - opts_exclusive "`allbaselevels' `nobaselevels'"
        = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
        = local opts
        - local n 0
        - while ``opts' != "" {
        = while `"' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`` != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```

```

> ive -----
      - opts_exclusive "`lstretch' `nolstretch'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
      }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - opts_exclusive "`cnsreport' `fullcnsreport'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
      }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - opts_exclusive "`coeflegend' `selegend'"
      = opts_exclusive " "
-----

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
}

```



```

- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth("`pformat'") > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat "`pformat'"
  local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
}
- Wraon , `fvwraon'

```

```

= Wrapon ,
> _____ begin _get_diopts.Wra
> pon _____
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
      di as err "invalid fwwrapon() option;"
      syntax [, W0rd WIdth]
      exit 198
    }
    - opts_exclusive "`word' `width'" fwwrapon
= opts_exclusive " " fwwrapon
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
      local ++n
      gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - local fwwrapon `word' `width'
= local fwwrapon
    - if `:length local fwwrapon' {
= if 0 {
      c_local fwwrapon fwwrapon(`fwwrapon')
    }
> _____ end _get_diopts.Wra
> pon _____
    - if "`fwwrap'" != "" {
= if "" != "" {
      FWWrap, `fwwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `bas
> elevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `coef

```

```
> legend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compare'
> `fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abbre
> v'
```

```
    = c_local DUPS
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options'''
    = c_local options `'''
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
```

```
> _____ end _get_diopts.GetDio
```

```
> pts _____
```

```
    - c_local `name2' ``options'''
    = c_local options `'''
    - }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS
    - if ``DUPS''' != "" {
    = if `''' != "" {
      if (strpos(`DUPS'', "(")) {
        gettoken DUPS : DUPS, parse("(")
        local DUPS `DUPS'()'
      }
      di as err "duplicate {bf:`DUPS'} option not allowed"
      exit 198
    }
    - sreturn clear
    - foreach sname of local snames {
    - sreturn local `sname' = ``S_`sname'''
    = sreturn local level = `95'''
    - }
    - sreturn local `sname' = ``S_`sname'''
    = sreturn local k = `43'''
    - }
    - sreturn local `sname' = ``S_`sname'''
    = sreturn local k_fill = `43'''
    - }
    - sreturn local `sname' = ``S_`sname'''
```

```

= sreturn local before = `", argoptlist(CLuster) optlist(0IM OPG
> Robust) old ""
- }
- sreturn local `sname' = `""S_`sname'""'
= sreturn local after = `", vce(robust)""'
- }
- sreturn local `sname' = `""S_`sname'""'
= sreturn local optlist = `CLuster""'
- }
- sreturn local `sname' = `""S_`sname'""'
= sreturn local namelist = `cluster""'
- }
- sreturn local `sname' = `""S_`sname'""'
= sreturn local deriv = `0""'
- }
- sreturn local `sname' = `""S_`sname'""'
= sreturn local nolog = `nolog""'
- }

_____  

> _____ end _get_dio
> pts _____
- _get_eformopts , eformopts(`options') soptions allowed(__all__)
= _get_eformopts , eformopts() soptions allowed(__all__)
_____  

> _____ begin _get_eformo
> pts _____
- version 8.0
- syntax [, eformopts(string asis) soptions ALLOWed(string) ]
- local 0 , `eformopts'
= local 0 ,
- local EFALL NOHR hr NOSHR shr or IRr RRr tr TRatio
- if "`soptions'" != "" {
= if "soptions" != "" {
- syntax [, EForm1(passthru) EForm `EFALL' * ]
= syntax [, EForm1(passthru) EForm NOHR hr NOSHR shr or IRr RRr
> tr TRatio * ]
- local opts `""options'""'
= local opts `""'
- local 0 , `eform1' `eform' `nohr' `hr' `noshr' `shr' `or' `irr
> ' `rrr' `tr' `tratio'
= local 0 ,
- }
- if "`allowed'" == "__all__" {
= if "__all__" == "__all__" {
- local allowed `EFALL'
= local allowed NOHR hr NOSHR shr or IRr RRr tr TRatio

```

```

- }
- foreach ef of local allowed {
- capture confirm name `ef'
= capture confirm name NOHR
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr
- }
- capture confirm name `ef'
= capture confirm name hr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr
- }
- capture confirm name `ef'
= capture confirm name NOSHR
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr
- }
- capture confirm name `ef'
= capture confirm name shr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr
- }
- capture confirm name `ef'
= capture confirm name or
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or

```

```

- }
- capture confirm name `ef'
= capture confirm name IRr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr
- }
- capture confirm name `ef'
= capture confirm name RRr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr
- }
- capture confirm name `ef'
= capture confirm name tr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr tr
- }
- capture confirm name `ef'
= capture confirm name TRatio
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr tr tratio
- }
- local efopts : list uniq efopts
- syntax [, EForm1(string) EForm `allowed' ]
= syntax [, EForm1(string) EForm NOHR hr NOSHR shr or IRr RRr tr
> TRatio ]
- foreach ef of local efopts {
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''

```

```
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- if "`eform1'"=="Odds ratio" {
= if `"'=="Odds ratio" {
    local eform_cons_ti = "Odds"
    local eform_cons_note = "odds ratios"
}
- else if "`eform1'"=="Haz. ratio" {
= else if `"'=="Haz. ratio" {
    local eform_cons_ti = "Hazard"
    local eform_cons_note = "hazard ratios"
}
- else if "`eform1'"=="Time ratio" {
= else if `"'=="Time ratio" {
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
}
- else if "`eform1'"=="IRR" {
= else if `"'=="IRR" {
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
}
- else if "`eform1'"=="Risk ratio" {
= else if `"'=="Risk ratio" {
```

```

    local eform_cons_ti = "Risk"
    local eform_cons_note = "risk ratios"
  }
- else if ``eform1'""=="Hlth ratio" {
= else if `""'=="Hlth ratio" {
    local eform_cons_ti = "Health"
    local eform_cons_note = "health ratios"
  }
- local k : list sizeof eform
- if `k' {
= if 0 {
    opts_exclusive ``eform'
    if `:length local eform1' {
    opts_exclusive "eform() `eform'"
    }
  }
- if `k' {
= if 0 {
    if (``eform'""=="eform") local eform1 = "exp(b)"
    else if (``eform'""=="hr") {
      local eform1 = "Haz. ratio"
      local eform_cons_ti = "Hazard"
      local eform_cons_note = "hazard ratios"
    }
    else if (``eform'""=="shr") {
      local eform1 = "SHR"
      local eform_cons_ti = "Subhazard"
      local eform_cons_note = "subhazard ratios"
    }
    else if (``eform'""=="tr") {
      local eform1 = "Time ratio"
      local eform_cons_ti = "Time"
      local eform_cons_note = "time ratios"
    }
    else if (``eform'""=="tratio") {
      local eform1 = "Time ratio"
      local eform_cons_ti = "Time"
      local eform_cons_note = "time ratios"
    }
    else if (``eform'""=="or") {
      local eform1 = "Odds ratio"
      if (``e(cmd)'"=="asclogit" | ``e(cmd)'"=="cmclogit" | ``e(cmd)
> '"=="cmmixlogit" | ``e(cmd)'"=="cmxtmixlogit" ) {
        local eform_cons_ti = "Rel. risk"
        local eform_cons_note = "relative-risk ratios"
        local eform_cons_ti2 = "relative risk"

```



```

    }
    else {
        local eform_cons_ti = "Odds"
        local eform_cons_note = "odds ratios"
    }
}
else if ("`eform'"=="irr") {
    local eform1 = "IRR"
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
}
else if ("`eform'"=="rrr") {
    local eform1 = "RRR"
    local eform_cons_ti = "Rel. risk"
    local eform_cons_note = "relative-risk ratios"
    local eform_cons_ti2 = "relative risk"
}
else if ("`eform'"!="nohr") & ("`eform'"!="noshr") {
    local eform1 = upper("`eform'")
}
}

- sreturn clear
- sreturn local options ```opts'``
= sreturn local options `''`
- sreturn local opt `eform'
= sreturn local opt
- sreturn local str `eform1'
= sreturn local str
- if ```eform1'`` != "" {
= if `''` != "" {
    sreturn local eform eform("`eform1'")
}
- else sreturn local eform ""
- sreturn local eform_cons_ti `eform_cons_ti'
= sreturn local eform_cons_ti
- sreturn local eform_cons_note `eform_cons_note'
= sreturn local eform_cons_note
- sreturn local eform_cons_ti2 `eform_cons_ti2'
= sreturn local eform_cons_ti2



---


> _____ end _get_eformo
> pts _____
    - local eform `s(eform)'
    = local eform
    - local diparm `s(options)'

```

```

= local diparm
- _get_diparmopts , diparmopts(`diparm') level(`level')
= _get_diparmopts , diparmopts() level(95)

```

```

> _____ begin _get_diparmo
> pts _____
    - if _caller() < 8.2 {
      _get_diparmopts_8 `0'
      exit
    }
    - version 9
    - local version : di "version " string(_caller()) ":"
    - syntax [, diparmopts(string asis) EXECute soptions bottom plus
> SYNTAXonly * ]
    - local goptions `options'
    = local goptions level(95)
    - SpliceGlobals junk , `goptions'
    = SpliceGlobals junk , level(95)

```

```

> _____ begin _get_diparmopts.SpliceGlob
> als _____
    - syntax name(id="macro name" name=c_diparm) [, diparm(string
> asis) Level(cilevel) dof(passthru) syntaxonly ]
    - if ``dof''' == "" & ``e(df_r)''' != "" {
    = if `''' == "" & `''' != "" {
      capture confirm integer number `e(df_r)'
      if !c(rc) {
        local gdof dof(`e(df_r)')
      }
      capture
    }
    - else local gdof ``dof'''
    = else local gdof `'''
    - local glevel `level'
    = local glevel 95
    - local lopt level(`glevel')
    = local lopt level(95)
    - if (``diparm''' == "") exit
    = if (``''' == "") exit

```

```

> _____ end _get_diparmopts.SpliceGlob
> als _____
    - local 0 `", `diparmopts'''
    = local 0 `", ""
    - local diparmopts
    - local k 0

```

```

- syntax [, diparm(string asis) * ]
- while ``diparm''' != "" {
= while `''' != "" {
    local ++k
    local single 1
    local after
    capture _on_colon_parse `diparm'
    if !c(rc) {
        local single 0
        local diparm ``s(before)'''
        local after ``s(after)'''
    }
    capture
    SpliceGlobals diparm , diparm(`diparm') `syntaxonly' `goptions

> '

    local diparm`k' ``diparm'''
    local diparmopts ``diparmopts' : `diparm'''
    if `single' | ``:list retok after''' == "" {
        local 0 `", `options'''
        syntax [, diparm(string asis) * ]
    }
    else {
        local diparm ``after'''
    }
}

- if ``soptions''' == "" {
= if `''' == "" {
- syntax [, diparm(string asis) ]
- }
- if ("`execute'" == "") {
= if ("" == "") {
- sreturn clear
- sreturn local options ``options'''
= sreturn local options `'''
- sreturn local diparm ``diparmopts'''
= sreturn local diparm `'''
- forval i = 1/`k' {
= forval i = 1/0 {
    sreturn local diparm`i' ``diparm`i'''
}
- sreturn local k `k'
= sreturn local k 0
- exit

> _____ end _get_diparmo
> pts _____

```

```

- if "`header'"==" " {
= if ""==" " {
- _coef_table_header, `title'
= _coef_table_header,

> ----- begin _coef_table_he
> der -----
- version 9
- if !c(noisily) {
  exit
}
- syntax [, rclass noHeader obj(string) head1left(numlist max=1
> integer >=0) head1right(numlist max=1 integer >=0) head2left(numlist max=1 i
> nteger >=0) head2right(numlist max=1 integer >=0) head2start(numlist max=1 i
> nteger >=1) width(numlist max=1 integer >=1) * ]
- if ("`header'" != "") exit
= if (" " != " ") exit
- if ("`head2start'" != " " & "`width'" != " ") {
= if (" " != " " & " " != " ") {
  opts_exclusive "head2start() width()"
  exit 198
}
- local has_obj = (`"'obj'" != " ")
= local has_obj = (`"' != " ")
- if (`has_obj' == 0) {
= if (0 == 0) {
- tempname obj
- }
- if ("`rclass'" != " ") {
= if (" " != " ") {
  tempname rhold
  _return hold `rhold'
}
- .`obj' = . _coef_table__header.new, `rclass' `options'
= .__000005 = . _coef_table__header.new,
- class _coef_table__header {
-   string result = "e"
-   string newline = "display"
-   double opt_dvheader = 0
-   double opt_modeltest = 0
-   double opt_cluster = 0
-   double opt_rules = 0
-   double opt_tvar = 0
-   double opt_septitle = 0
-   double linesize = 0
-   string title = "

```

```

-      string  title2          = ""
-      string  groupvar        = ""
-      string  intmethod       = ""
-      double  intpoints       = -1
-      string  cmd              = ""
-      string  cmd2             = ""
-      string  prefix           = ""
-      double  is_prefix        = 0
-      double  is_svy           = 0
-      double  is_margins       = 0
-      double  is_gsem          = 0
-      double  is_gsem_group    = 0
-      double  is_sem           = 0
-      double  is_areg          = 0
-      double  is_demand        = 0
-      double  is_demandn       = 0
-      double  is_bacon         = 0
-      double  is_htedid        = 0
-      double  is_xtvar         = 0
-      double  is_cfreg         = 0
-      double  is_sum           = 0
-      double  is_tab           = 0
-      double  is_r2_p          = 1
-      double  is_multclust     = 0
-      double  is_stintcox      = 0
-      double  is_stmgintcox    = 0
-      double  is_bmareg        = 0
-      double  prop_pushtitle   = 0
-      double  prop_groupvar    = 0
-      double  prop_censlimits  = 0
-      double  prop_censored    = 0
-      double  prop_nuncensored      = 0
-      double  prop_iselected   = 0
-      double  prop_selected     = 0
-      double  prop_groups      = 0
-      double  prop_balance      = 0
-      double  ablen            = 16
-      double  width            = 78
-      double  c1               = 1
-      double  c2               = 16
-      double  c2a              = 16
-      double  c3               = 49
-      double  c4               = 67
-      double  c2wfmt           = 10
-      double  c4wfmt           = 10
-      string  scheme           = "ml"

```

```

-         double lalignr          = 0
-         double ralignr          = 0
-         double lalignl          = 0
-         double ralignl          = 0
-         double lalignla         = 0
-         double ralignla         = 0
-         array   left
-         array   right
-    }
}

> ----- begin _coef_table__header.
> new -----
- version 16
- syntax [, rclass noDVHeader noMODELtest TTitle(string asis) n
> ocluster noRULES noTVAR SEPTITLE linesize(int 0) ]
- if "`rclass'" != "" {
= if "" != "" {
    .result = "r"
}
- if "`dvheader'" == "" {
= if "" == "" {
    .opt_dvheader = 1
}
- }
- if "`modeltest'" == "" {
= if "" == "" {
    .opt_modeltest = 1
}
- }
- if "`cluster'" == "" {
= if "" == "" {
    .opt_cluster = 1
}
- }
- if "`rules'" == "" {
= if "" == "" {
    .opt_rules = 1
}
- }
- if "`tvar'" == "" {
= if "" == "" {
    .opt_tvar = 1
}
- }
- if "`septitle'" != "" {
= if "" != "" {
    .opt_septitle = 1
}
- .linesize = `linesize'
= .linesize = 0
- .title = ``title'''

```

```

= .title = `""`
- if ``.result'' == "e" {
= if `"e" == "e" {
- .New4e

```

```

> _____ begin _coef_table__header.Ne
> w4e _____
    - version 16
    - .cmd = ``e(cmd)''
    = .cmd = "poisson"
    - .cmd2 = ``e(cmd2)''
    = .cmd2 = ""
    - .prefix = ``e(prefix)''
    = .prefix = ""
    - if ``.prefix'' != "" {
    = if `"" != "" {
      .is_prefix = 1
    }
    - if ``.prefix'' == "svy" {
    = if "" == "svy" {
      .is_svy = 1
    }
    - if ``.cmd'' == "margins" {
    = if "poisson" == "margins" {
      .is_margins = 1
    }
    - if inlist(``.cmd'', "contrast", "pwcompare") {
    = if inlist("poisson", "contrast", "pwcompare") {
      if ``.cmd2'' == "margins" {
        .is_margins = 1
      }
    }
    - if ``.cmd'' == "gsem" | ``.cmd2'' == "gsem" {
    = if "poisson" == "gsem" | "" == "gsem" {
      .is_gsem = 1
    }
    - if ``.cmd'' == "sem" {
    = if "poisson" == "sem" {
      .is_sem = 1
    }
    - if ``.cmd'' == "areg" {
    = if "poisson" == "areg" {
      .is_areg = 1
    }
    - if (``.cmd'' == "demandsys" & ``e(doheader)''=="yes") {
    = if ("poisson" == "demandsys" & `""=="yes") {

```

```

        .is_demand = 1
    }
    - if ("`.cmd'" == "demandsys") {
    = if ("poisson" == "demandsys") {
        .is_demandn = 1
    }
    - if ("`.cmd'" == "xthdidregress" & "`e(inestat)'"=="") {
    = if ("poisson" == "xthdidregress" & ""=="") {
        .is_htedid = 1
    }
    - if ("`.cmd'" == "xtvar") {
    = if ("poisson" == "xtvar") {
        .is_xtvar = 1
    }
    - if ("`.cmd'" == "cfregress") {
    = if ("poisson" == "cfregress") {
        .is_cfreg = 1
    }
    - if "`.cmd'" == "stintcox" {
    = if "poisson" == "stintcox" {
        .is_stintcox = 1
    }
    - if "`.cmd'" == "stmgintcox" {
    = if "poisson" == "stmgintcox" {
        .is_stmgintcox = 1
    }
    - if "`.cmd'" == "bdecomp" {
    = if "poisson" == "bdecomp" {
        .is_bacon = 1
    }
    - if "`.cmd'" == "bmaregress" {
    = if "poisson" == "bmaregress" {
        .is_bmareg = 1
    }
    - is_svysum `cmd'
    = is_svysum poisson

```

```

> _____ begin is_svy
> sum _____

```

```

    - version 9
    - local SvySum mean prop proportion ratio total
    - if `"'0'" != "" & `:list 0 in SvySum' {
    = if `"poisson'" != "" & 0 {
        return scalar is_svysum = 1
    }
    - else return scalar is_svysum = 0

```

```

> _____ end is_svy
> sum _____
- .is_sum = r(is_svysum)
- if `.is_svy' {
= if 0 {
  if "`.cmd'" == "tabulate" {
    .is_tab = 1
  }
}
- if `.is_gsem' {
= if 0 {
  if ``"e(groupvar)'" != "" & "`.cmd2'" == "" {
    .is_gsem_group = 1
  }
}
- local clustvars `e(clustvar)'
= local clustvars
- local kclvar : list sizeof clustvars
- .is_multclust = ((`kclvar'>1) & ("`e(kcluster)'"=="matrix"

> ))

= .is_multclust = ((0>1) & ("=="matrix"))
- if `.is_multclust' {
= if 0 {
  .prop_pushtitle = 1
}
- local c2pfix 20
- if `.is_sem' | `.is_gsem_group' {
= if 0 | 0 {
  local crlen ``"e(crittype)'"
  local crlen : smcllength local crlen
  if `crlen' >= `c2pfix' {
    local c2pfix = `crlen' + 2
  }
}
- if `.is_sum' {
= if 0 {
  if `.linesize' > 62 {
    local offset = `.linesize' - 62
  }
  else local offset 0
  .width = 62 + `offset'
  .c2 = 18
  .c3 = 35 + `offset'
  .c4 = 51 + `offset'
  .c2wfmt = 7

```

```

        .c4wfmt = 10
        .scheme = "compact"
    }
- else if `.is_prefix' | `.is_sem' | `.is_gsem_group' {
= else if 0 | 0 | 0 {
    .width = 78
    .c2 = `c2pfix'
    .c3 = 49
    .c4 = 67
    .c2wfmt = 9
    .c4wfmt = 10
    .scheme = "svy"
    }
- if `.is_svy' {
= if 0 {
    local maxlen = `.width' - `.c2' - (`.c2wfmt' + 2) - 2 - (`.c4' - `.c3'

> )-2

    if `maxlen' > 19 {
    local maxlen 19
    }
    local len : display %`maxlen'.0fc e(N_pop)
    local len : list retok len
    local len : length local len
    local ++maxlen
    local ++len
    if `.c4wfmt' <= `len' & `len' <= `maxlen' {
    .c3 = `.c3' + `.c4wfmt' - `len'
    .c4 = `.c4' + `.c4wfmt' - `len'
    .c4wfmt = `len'
    }
    }

_____  

> _____ end _coef_table__header.Ne  

> w4e _____  

    - }  

    - else {  

        .New4r  

    }  

    - local props ```.Macro _coef_table_props'''  

    _____  

> _____ begin _coef_table__header.Ma  

> cro _____  

    - version 16  

    - class exit `""`.result'(`0')'''  

    = class exit `""'  

    _____

```

```

> _____ end _coef_table__header.Ma
> cro _____
      = local props `""'
      - if `.is_sem' | `.is_gsem_group' | `:list posof "pushtitle" i
> n props' {
      = if 0 | 0 | 0 {
        .prop_pushtitle = 1
      }
      - if (`.is_demand' | `.is_htedid' | `.is_xtvar') {
      = if (0 | 0 | 0) {
        .prop_pushtitle = 1
      }
      - if (`.is_bmareg') {
      = if (0) {
        .prop_pushtitle = 1
      }
      - if `.is_sem' | `.is_gsem_group' | `:list posof "groupvar" in
> props' {
      = if 0 | 0 | 0 {
        .prop_groupvar = 1
      }
      - local list tobit cpoisson ivtobit metobit xttobit
      - local list2 metobit
      - if `:list posof ``.cmd' in list' | `:list posof ``.cmd2' i
> n list2' | `:list posof "censlimits" in props' {
      = if 0 | 0 | 0 {
        .prop_censlimits = !missing(e(N_unc))
      }
      - local list intreg tobit cpoisson ivtobit eintreg xtintreg xt
> tobit
      - local list2 meintreg metobit stintreg
      - if `:list posof ``.cmd' in list' | `:list posof ``.cmd2' i
> n list2' | `:list posof "censored" in props' {
      = if 0 | 0 | 0 {
        .prop_censored = !missing(e(N_unc))
      }
      - if `:list posof "nuncensored" in props' {
      = if 0 {
        .prop_nuncensored = 1
      }
      - local list eintreg
      - if `:list posof ``.cmd' in list' | `:list posof "iselected"
> in props' {
      = if 0 | 0 {
        .prop_iselected = 1
      }

```

```

- local list eregress eprobit eoprobit
- if `:list posof ``.cmd'" in list' | `:list posof "selected"
> in props' {
= if 0 | 0 {
    .prop_selected = 1
  }
- if `:list posof "groups" in props' {
= if 0 {
    .prop_groups = 1
    .groupvar = "`e(repanvar)'"
    .intmethod = "`e(reintmethod)'"
    .intpoints = e(reintpoints)
  }
- local list xtreg xtprobit xtlogit xtcloglog xtfrontier xtint
> reg xtnbreg
- local list `list' xtpoisson xttobit xtmlogit xtrc xtvar
= local list xtreg xtprobit xtlogit xtcloglog xtfrontier xtint
> reg xtnbreg xtpoisson xttobit xtmlogit xtrc xtvar
- local list2 xtlogit xtprobit xtologit xtmlogit
- if `:list posof ``.cmd'" in list' | `:list posof ``.cmd2'" i
> n list2' {
= if 0 | 0 {
    .prop_groups = 1
    .groupvar = "`e(ivar)'"
    .intmethod = "`e(intmethod)'"
    .intpoints = e(n_quad)
  }
- if ``.cmd'" == "xtreg" | ``.cmd2'" == "xtlogit" {
= if "poisson" == "xtreg" | "" == "xtlogit" {
    .is_r2_p = 0
  }
- if `:list posof "balance" in props' {
= if 0 {
    .prop_balance = 1
  }
- .left = {}
- .right = {}
}

> _____ end _coef_table__header.
> new _____
- if (``rclass'" != "") {
= if ("" != "") {
    _return restore `rhold'
    .`obj'.New4r
  }
- if (``head1left'" != "") {

```

```

= if (" " != "") {
    .`obj`.lalignla = `head1left`
}
- if ("`head1right`" != "") {
= if (" " != "") {
    .`obj`.ralignla = `head1right`
}
- if ("`head2left`" != "") {
= if (" " != "") {
    .`obj`.lalignr = `head2left`
}
- if ("`head2right`" != "") {
= if (" " != "") {
    .`obj`.ralignr = `head2right`
}
- if ("`width`" != "") {
= if (" " != "") {
    .`obj`.width = `width`
}
- .`obj`.build
= .__000005.build

```

```

> ----- begin _coef_table__header.bu
> ild -----
    - version 16
    - if ```.title''' == "" {
    = if `''' == "" {
    - .title = ```.Macro title'''

```

```

> ----- begin _coef_table__header.Ma
> cro -----
    - version 16
    - class exit ```.result'(`0')'''
    = class exit `"Poisson regression"'

```

```

> ----- end _coef_table__header.Ma
> cro -----
    = .title = `"Poisson regression"'
    - .title2 = ```.Macro title2'''

```

```

> ----- begin _coef_table__header.Ma
> cro -----
    - version 16
    - class exit ```.result'(`0')'''
    = class exit `'''

```

```

> _____ end _coef_table__header.Ma
> cro _____
      = .title2 = `""'
      - }
      - if `.is_areg' {
      = if 0 {
        local absvar "`e(absvar)'"
        if `:list sizeof absvar' > 1 {
          .title2 = ""
        }
        else {
          local absvar = abbrev("`absvar'", 22)
          .title2 = "Absorbed variable: {res:`absvar'}"
        }
      }
      - if `.prop_pushtitle' {
      = if 0 {
        if `.is_svy' & (``.cmd'" == "clogit" | ``.cmd'" == "xtmlogit
> " | ``.cmd2'" == "xtmlogit") {
        }
        else if `.is_stintcox' | `.is_bmareg' {
          .PushLeft ```.title'"'
          .PushLeft ```.title2'"'
          .title = ""
          .title2 = ""
        }
        else if `.is_stmgintcox' {
          if (`e(strata)'" == "") {
            .PushLeft ```.title'"'
            .PushLeft ```.title2'"'
            .title = ""
            .title2 = ""
          }
          else {
            .PushLeft ```.title2'"'
            .title2 = ""
          }
        }
        else {
          .PushLeft ```.title'"'
          if `.is_areg' {
            .PushLeft ```.title2'"'
          }
          .title = ""
          .title2 = ""
        }
      }
    }
  }
}

```

```

}
- if `.prop_groupvar' | `.is_gsem_group' {
= if 0 | 0 {
  local groupvar ```.Macro groupvar'''
  if (```.groupvar''' != "" & `.is_stintcox') {
    local s = cond(`:word count `groupvar''>1, "s","")
    local grpvar = abbrev("`groupvar'",`.ablen')
    .PushLeft "Strata variable`s': {res}`grpvar'"
  }
  else if ```.groupvar''' != "" {
    local grpvar = abbrev("`groupvar'",`.ablen')
    .PushLeft "Grouping variable: {res}`grpvar'"
  }
}
- if (`.is_stintcox') {
= if (0) {
  .PushLeft ""
  local ndep = e(k_dv)
  if (`ndep'==2) {
    tokenize `e(depvar)'
    local ltime `1'
    local rtime `2'
    .PushLeft "Event-time interval:"
    .PushLeft "  Lower endpoint: {res}`ltime'"
    .PushLeft "  Upper endpoint: {res}`rtime'"
    if ""`e(strata)'" != "" {
      .PushLeft ""
    }
  }
  else {
    .PushLeft "ID variable: {res}`e(id)'"
    .PushLeft "Examination time: {res}`e(depvar)'"
    .PushLeft "Status indicator: {res}`e(status)'"
  }
}
- if (`.is_stmgintcox') {
= if (0) {
  .PushLeft ""
  .PushLeft "ID variable: {res}`e(id)'"
  .PushLeft "Event variable: {res}`e(event)'"
  local ndep = e(k_dv)
  if (`ndep'==2) {
    tokenize `e(depvar)'
    local ltime `1'
    local rtime `2'
    .PushLeft "Event-time interval:"

```

```

        .PushLeft " Lower endpoint: {res}`ltime'"
        .PushLeft " Upper endpoint: {res}`rtime'"
        if "`e(strata)'" != "" {
            .PushLeft ""
        }
    }
    else {
        .PushLeft "Examination time: {res}`e(depvar)'"
        .PushLeft "Status indicator: {res}`e(status)'"
    }
}
- if `.is_svy' {
= if 0 {
    .BuildLeft4svy
}
- else if `.is_prefix' {
= else if 0 {
    if !`.is_margins' {
        .Build4strata
    }
}
- if (`.is_tab' | `.is_sum') & !missing(`.result'(N_stdize)) {
= if (0 | 0) & !missing(e(N_stdize)) {
    .PushLeft "N. of std strata" " = " "as res" %`.c2wfmt'.0fc `
> .result'(N_stdize)
    }
- .Build4tvar
}

> _____ begin _coef_table__header.Build4t
> var _____
    - version 16
    - if `.opt_tvar' == 0 {
= if 1 == 0 {
    exit
}
- if "`.Macro tvar'" == "" {
}

> _____ begin _coef_table__header.Ma
> cro _____
    - version 16
    - class exit ```.result'(`0')'''
= class exit `'''

> _____ end _coef_table__header.Ma
> cro _____
    = if "" == "" {

```



```

- exit
- end _coef_table__header.Build4t
> var
- if (`.is_stmgintcox`) {
= if (0) {
.PushRight "Number of events" " = " "as res" %`.c4wfmt'.0fc
> e(N_events)
.PushRight "Number of subjects" " = " "as res" %`.c4wfmt'.0f
> c e(N_sub)
}
- if (!missing(`.Scalar N`) & `.is_demandn'==0 & !`.is_bmareg'
> ) {
- begin _coef_table__header.Sca
> lar
- version 16
- class exit ```= `.result'(`0')''
= class exit ``"144"

- end _coef_table__header.Sca
> lar
= if (!missing(144) & 0==0 & !0) {
- .PushRight "Number of obs" " = " "as res" %`.c4wfmt'.0fc `.S
> calar N'
- begin _coef_table__header.Sca
> lar
- version 16
- class exit ```= `.result'(`0')''
= class exit ``"144"

- end _coef_table__header.Sca
> lar
= .PushRight "Number of obs" " = " "as res" %10.0fc 144
- begin _coef_table__header.PushRi
> ght
- version 16
- gettoken tok rest : 0
- gettoken eq rest : rest
- gettoken dias rest : rest
- if `:length local rest' {
= if 12 {
- local direst = ustrltrim("` : di `rest'")
= local direst = ustrltrim(" 144")

```

```

- .ralignr = max(`.ralignr', udstrlen("`direst'"))
= .ralignr = max(0, udstrlen("144"))
- local len : di ``tok'''
= local len : di ``Number of obs''
- local len : smcllength local len
- .lalignr = max(`.lalignr', `len')
= .lalignr = max(0, 13)
- .right.Arrpush \`.C3' ``{lalign \`.lalignr':`tok'}'' \`.C4
> ' ``eq'' `dias' "{ralign \`.ralignr':`direst'}"
= .right.Arrpush \`.C3' ``{lalign \`.lalignr':Number of obs}''
> \`.C4' " = " as res "{ralign \`.ralignr':144}"
- }
- else if `:length local tok' {
= else if 13 {
    .right.Arrpush \`.C3' ``tok'''
}
- else {
    .right.Arrpush
}
}

> _____ end _coef_table__header.PushRi
> ght _____
- }
- if `.is_demandn' {
= if 0 {
    if (e(N_estat_dsys)==.|``e(N_estat_dsys)''==''') {
    .PushRight "Number of obs" " = " "as res" %`.c4wfmt'.0fc \`.S
> calar N'
    }
    else {
    .PushRight "Number of obs" " = " "as res" %`.c4wfmt'.0fc e(N
> _estat_dsys)
    }
}
- if `.is_demand' {
= if 0 {
    .PushRight "Number of goods" " = " "as res" %`.c4wfmt'.0fc e
> (n_goods)
    .PushLeft "Expenditure variable: {result:`e(expenditures)}'"
}
- if `.is_demand' {
= if 0 {
    if (``e(piconstant)''!=''') {
    .PushRight "Price index constant" " = " "as res" %`.c2wfmt'.
> 4gc e(piconstant)
    .PushLeft ""

```

```

    }
    if (e(n_demos)>0) {
      local scaling = strproper("`e(demo_type)'"')
      .PushLeft `"Demographic method: {text:`scaling'}"'
      .PushRight "Number of demographics" " = " "as res" %`.c2wfmt
> '.0fc e(n_demos)
    }
    .PushLeft ""
    local rsquare = strproper("`e(r2_type)'"')
    .PushLeft `""rsquare' R2 of model for""
    local kdem = e(k_eq_old) + 1
    local labels ``"e(labels)'"'
    forvalues i=1/`kdem' {
      if (``"labels'"'==""') {
        .PushLeft " Good `i'" " = " "as res" %`.c2wfmt'.4f e(r2_`i'
> )
      }
      else {
        local xdm: word `i' of `labels'
        .PushLeft " `xdm'" " = " "as res" %`.c2wfmt'.4f e(r2_`i')
      }
    }
    .PushLeft ""
  }
  - if `.is_bacon' {
= if 0 {
    .PushLeft "ATET" " = " "as res" %`.c2wfmt'.0g `e(atet)'
    .PushRight "Number of groups" " = " "as res" %`.c4wfmt'.0fc
> `e(N_groups)'
    .PushRight "Number of cohorts" " = " "as res" %`.c4wfmt'.0fc
> `e(N_timing)'
  }
  - if `.is_bmareg' {
= if 0 {
    local heredlab = proper("`e(heredity)'"')
    .PushLeft ``e(sampling_lab)'"
    if ""heredlab"" != "" {
      .PushLeft "Heredity: {txt}`heredlab'"
      if !missing(e(burnin)) {
        .PushLeft ""
      }
    }
    else if !missing(e(burnin)) {
      .PushLeft ""
      .PushLeft ""
    }
  }
}

```

```

        .PushLeft ""
        .PushLeft "Priors:"
        .PushLeft "  Models: {txt}`e(mprior_lab)'"
        .PushLeft "  Cons.: Noninformative"
        .PushLeft "  Coef.: Zellner's g"
        .PushLeft "      g: {txt}`e(gprior_lab)'"
        .PushLeft "  sigma2: Noninformative"
        if !missing(e(burnin)) {
        .PushLeft
        .PushLeftRalign "{help j_bmaregress_sampcorr:Sampling correl
> ation}" " = " "as res" %`.c4wfmt'.4f e(sampcorr)
        }
        .PushRight "No. of obs" " = " "as res" %`.c4wfmt'.0fc `.Scal
> ar N'
        .PushRight "No. of predictors" " = " "as res" %`.c4wfmt'.0fc
> e(p)
        .PushRightRalign "Groups" " = " "as res" %`.c4wfmt'.0fc e(p_
> groups)
        .PushRightRalign "Always" " = " "as res" %`.c4wfmt'.0fc e(p_
> always)
        .PushRight "No. of models" " = " "as res" %`.c4wfmt'.0fc e(k
> _models)
        .PushRightRalign "For CPMP >= .9" " = " "as res" %`.c4wfmt'.
> 0fc e(k_models_cpmp)
        .PushRight "Mean model size" " = " "as res" %`.c4wfmt'.3f e(
> msize_mean)
        if !missing(e(burnin)) {
        .PushRight "Burn-in" " = " "as res" %`.c4wfmt'.0fc e(burnin)
        .PushRight "MCMC sample size" " = " "as res" %`.c4wfmt'.0fc
> e(mcmcsize)
        .PushRight "Acceptance rate" " = " "as res" %`.c4wfmt'.4f e(
> arate)
        }
        else {
        if "`heredlab'" != "" {
        .PushRight
        }
        .PushRight
        }
        if !missing(e(shrinkage)) {
        .PushRight "Shrinkage, g/(1+g)" " = " "as res" %`.c4wfmt'.4f
> e(shrinkage)
        }
        else {
        .PushRight ""
        }

```

```

        if (e(sigma2) < 1e-3) {
            local sigfmt 8.4g
        }
        else {
            local sigfmt `.c4wfmt'.3f
        }
        .PushRight "Mean sigma2" " = " "as res" %`sigfmt' e(sigma2)
    }
- if `.is_htedid' {
= if 0 {
    .PushRight "Number of panels" " = " "as res" %`.c4wfmt'.0fc
> e(N_panels)
    }
- if !missing(`.Scalar N_sub') & `.is_stintcox' {
> _____ begin _coef_table__header.Sca
> lar _____
        - version 16
        - class exit ```= `.result'(`0')'''
        = class exit `",'''
> _____ end _coef_table__header.Sca
> lar _____
        = if !missing(.) & 0 {
            .PushRight "Number of subjects" " = " "as res" %`.c4wfmt'.0f
> c `.Scalar N_sub'
        }
        - if `.is_areg' {
        = if 0 {
            local absvar "`e(absvar)'"
            if `:list sizeof absvar' == 1 {
                .PushRight "No. of categories" " = " "as res" %`.c4wfmt'.0fc
> e(k_absorb)
            }
        }
        - if `.is_sem' | `.is_gsem_group' {
        = if 0 | 0 {
            if ```.Macro groupvar''' != "" {
                .PushRight "Number of groups" " = " "as res" %`.c4wfmt'.0fc
> `.Scalar N_groups'
            }
        }
        - if `.is_sem' & !`.is_svy' {
        = if 0 & !0 {
            .PushLeft `"Estimation method: {res:`.Macro method'}"'
        }

```

```

- if `.prop_selected' {
= if 0 {
  .Build4selected
}
- if `.is_svy' {
= if 0 {
  .BuildRight4svy
  if `.prop_censored' {
    .PushRight
    .Build4censobs "header"
    .PushRight
  }
}
- else {
- if `.is_margins' {
= if 0 {
  .Build4subpop
}
- if `.prop_iselected' {
= if 0 {
  .Build4title
  .Build4iselected
}
- if `.prop_censored' {
= if 0 {
  .Build4title
  .Build4censobs
  if !`.is_prefix' {
    .PushRight
  }
}
- .Build4cluster
}

> _____ begin _coef_table__header.Build4clus
> ter _____
- version 16
- if `.is_multclust' {
= if 0 {
  .Build4mclust
  exit
}
- if missing(`.Scalar N_clust') {
}

> _____ begin _coef_table__header.Sca
> lar _____
- version 16

```

```

        - class exit ```= `.result'(`0')''''
        = class exit `".''
    _____
> _____ end _coef_table__header.Sca
> lar _____
        = if missing(.) {
        - exit
    _____
> _____ end _coef_table__header.Build4clus
> ter _____
        - .Build4reps
    _____
> _____ begin _coef_table__header.Build4r
> eps _____
        - version 16
        - if !missing(`.Scalar N_reps') {
    _____
> _____ begin _coef_table__header.Sca
> lar _____
        - version 16
        - class exit ```= `.result'(`0')''''
        = class exit `".''
    _____
> _____ end _coef_table__header.Sca
> lar _____
        = if !missing(.) {
            .PushRight "Replications" " = " "as res" %`.c4wfmt'.0fc `.`
> Scalar N_reps'
            if `.prop_censored' & !`.is_svy' {
                .PushRight
            }
        }
    _____
> _____ end _coef_table__header.Build4r
> eps _____
        - }
        - if `.prop_groups' {
        = if 0 {
            .Build4groups
        }
        - if `.is_stintcox' & ""e(strata)"" != "" {
        = if 0 & "" != "" {
            if `ndep' == 2 {
                .PushRight
            }
        }
    }

```

```

- .Build4modeltest


---


> 

---

 begin _coef_table__header.Build4modelt
> est 

---


- version 16
- if ``.result'' != "e" {
= if "e" != "e" {
  exit
}
- if `.opt_modeltest' == 0 {
= if 1 == 0 {
  exit
}
- if ```.Macro k_eq_model''' == "0" {


---


> 

---

 begin _coef_table__header.Ma
> cro 

---


- version 16
- class exit ```.result'(`0')'''
= class exit ``1'''


---


> 

---

 end _coef_table__header.Ma
> cro 

---


= if ``1''' == "0" {
  exit
}
- if missing(`.Scalar df_m') {


---


> 

---

 begin _coef_table__header.Sca
> lar 

---


- version 16
- class exit ```= `.result'(`0')'''
= class exit ``11'''


---


> 

---

 end _coef_table__header.Sca
> lar 

---


= if missing(11) {
  exit
}
- if ```.Macro chi2''' != "" | ```.Macro df_r''' == "" {


---


> 

---

 begin _coef_table__header.Ma
> cro 

---


- version 16
- class exit ```.result'(`0')'''
= class exit ``195.1034134633995'''

```



```

> _____ end _coef_table__header.Ma
> cro _____

> _____ begin _coef_table__header.Ma
> cro _____
    - version 16
    - class exit ```.result'(`0')'''
    = class exit `'''

> _____ end _coef_table__header.Ma
> cro _____
    = if `195.1034134633995' != "" | `''' == "" {
    - .Build4chi2test

> _____ begin _coef_table__header.Build4chi2t
> est _____
    - version 16
    - local type `e(chi2type)'
    = local type Wald
    - if ``type''' == "" {
    = if `Wald''' == "" {
        local type Wald
    }
    - local didf = strtrim("` : di e(df_m)')')
    = local didf = strtrim("11")
    - if !missing(e(chi2)) {
    - .PushRight ``type' chi2({res:`didf'})" " = " "as res" %`
> .c4wfmt'.2f e(chi2)
    = .PushRight "Wald chi2({res:11})" " = " "as res" %10.2f e
> (chi2)

> _____ begin _coef_table__header.PushRi
> ght _____
    - version 16
    - gettoken tok rest : 0
    - gettoken eq rest : rest
    - gettoken dias rest : rest
    - if `:length local rest' {
    = if 15 {
    - local direst = ustrltrim("` : di `rest'")
    = local direst = ustrltrim(" 195.10")
    - .ralignr = max(`.ralignr', udstrlen("`direst'))
    = .ralignr = max(3, udstrlen("195.10"))
    - local len : di ``tok'''
    = local len : di `Wald chi2({res:11})'

```

```

- local len : smcllength local len
- .lalignr = max(`.lalignr', `len')
= .lalignr = max(13, 13)
- .right.Arrpush `'.C3' ``{lalign `'.lalignr':`tok}'" \
> `.C4' ``eq' ``dias' "{ralign `'.ralignr':`direst'"
= .right.Arrpush `'.C3' ``{lalign `'.lalignr':Wald chi2({r
> es:11}})" `'.C4' " = " as res "{ralign `'.ralignr':195.10}"
- }
- else if `:length local tok' {
= else if 19 {
. right.Arrpush `'.C3' ```tok'"
}
- else {
. right.Arrpush
}
}

> _____ end _coef_table__header.PushRi
> ght _____
- .PushRight "Prob > chi2" " = " "as res" %`.c4wfmt'.4f ch
> i2tail(e(df_m),e(chi2))
= .PushRight "Prob > chi2" " = " "as res" %10.4f chi2tail(
> e(df_m),e(chi2))
}

> _____ begin _coef_table__header.PushRi
> ght _____
- version 16
- gettoken tok rest : 0
- gettoken eq rest : rest
- gettoken dias rest : rest
- if `:length local rest' {
= if 33 {
- local direst = ustrltrim("` : di `rest'")
= local direst = ustrltrim(" 0.0000")
- .ralignr = max(`.ralignr', udstrlen("`direst'"))
= .ralignr = max(6, udstrlen("0.0000"))
- local len : di ```tok'"
= local len : di ``"Prob > chi2'"
- local len : smcllength local len
- .lalignr = max(`.lalignr', `len')
= .lalignr = max(13, 11)
- .right.Arrpush `'.C3' ``{lalign `'.lalignr':`tok}'" \
> `.C4' ``eq' ``dias' "{ralign `'.ralignr':`direst'"
= .right.Arrpush `'.C3' ``{lalign `'.lalignr':Prob > chi2}
> "" `'.C4' " = " as res "{ralign `'.ralignr':0.0000}"
- }
- else if `:length local tok' {

```

```

        = else if 11 {
            .right.Arrpush \`.C3' ``tok''
        }
        - else {
            .right.Arrpush
        }
    }
}

> _____ end _coef_table__header.PushRi
> ght _____

        - }
        - else {
            local j_robust "{help j_robustsingular##_new:`type' chi
> 2(`didf')}"

            .PushRight "`j_robust'" " = " "as res" %`.c4wfmt's "."
            .PushRight "Prob > chi2" " = " "as res" %`.c4wfmt's "."
        }
    }
}

> _____ end _coef_table__header.Build4chi2t
> est _____

        - }
        - else {
            .Build4Ftest
        }
    }
}

> _____ end _coef_table__header.Build4modelt
> est _____

        - .Build4r2
    }
}

> _____ begin _coef_table__header.Build
> 4r2 _____

        - version 16
        - if "`.result'" != "e" {
        = if "e" != "e" {
            exit
        }
        - if !missing(e(r2)) {
            .PushRight "R-squared" " = " "as res" %`.c4wfmt'.4f e(r2)
        }
        - if !missing(e(r2_p)) & `.is_r2_p' {
        = if !missing(e(r2_p)) & 1 {
            - .PushRight "Pseudo R2" " = " "as res" %`.c4wfmt'.4f e(r2_p
> )

            = .PushRight "Pseudo R2" " = " "as res" %10.4f e(r2_p)
        }
    }
}

> _____ begin _coef_table__header.PushRi
> ght _____

```

```

- version 16
- gettoken tok rest : 0
- gettoken eq rest : rest
- gettoken dias rest : rest
- if `:length local rest' {
= if 15 {
- local direst = ustrltrim("` : di `rest'")
= local direst = ustrltrim(" 0.3134")
- .ralignr = max(`.ralignr', udstrlen("`direst'"))
= .ralignr = max(6, udstrlen("0.3134"))
- local len : di ``tok'""
= local len : di ``Pseudo R2'""
- local len : smcllength local len
- .lalignr = max(`.lalignr', `len')
= .lalignr = max(13, 9)
- .right.Arrpush `\.C3' ``{lalign `\.lalignr':`tok'}"" `\.
> C4' ``eq'"" `dias' "{ralign `\.ralignr':`direst'}""
= .right.Arrpush `\.C3' ``{lalign `\.lalignr':Pseudo R2'}"" `
> .C4' " = " as res "{ralign `\.ralignr':0.3134}"
- }
- else if `:length local tok' {
= else if 9 {
. right.Arrpush `\.C3' ``tok'""
}
- else {
. right.Arrpush
}
}

> _____ end _coef_table__header.PushRi
> ght _____
- }
- if !missing(e(r2_a)) {
. PushRight "Adj R-squared" " = " "as res" %`.c4wfmt'.4f e(
> r2_a)
}
- if !missing(e(rmse)) {
. PushRight "Root MSE" " = " "as res" %`.c4wfmt'.4f e(rmse)
}
}

> _____ end _coef_table__header.Build
> 4r2 _____
- .Build4title
}

> _____ begin _coef_table__header.Build4ti
> tle _____
- version 16

```

```

- if `.opt_septitle' {
= if 0 {
    exit
  }
- if ```.title''' == "" {
= if `"Poisson regression"' == "" {
    exit
  }
- if `.left.arnels' {
= if 0 {
    exit
  }
- local title `.title'
= local title Poisson regression
- local title2 `.title2'
= local title2
- local len : smcllength local title
- local len2 : smcllength local title2
- if `len2' > `len' {
= if 0 > 18 {
    local len = `len2'
  }
- if `len' < (`c3' - 2) - (`c1' - 1) {
= if 18 < (49 - 2) - (1 - 1) {
- PushLeft ```.title'''
= PushLeft `"Poisson regression"'
}

> _____ begin _coef_table__header.PushL
> eft _____

- version 16
- gettoken tok rest : 0
- gettoken eq rest : rest
- gettoken dias rest : rest
- if `:length local rest' {
= if 0 {
    local direst : di `rest'
    local direst = strtrim("`direst'")
    local len : smcllength local direst
    .ralignl = max(`.ralignl', `len')
    local len : di ``tok'''
    local len : smcllength local len
    .lalignl = max(`.lalignl', `len')
    .left.Arrpush \`.C1' `{lalign \`.lalignl':`tok'}" \`.C
> 2' ``eq' `dias' "{ralign \`.ralignl':`direst'}"
    }
- else if `:length local tok' {

```

```

        = else if 18 {
        - .left.Arrpush \`.C1' ``tok'''
        = .left.Arrpush \`.C1' ``Poisson regression''
        - }
        - else {
          .left.Arrpush
        }
      }
    }
  }
end _coef_table__header.PushL
> eft
    - .title = ""
    - if `len2' {
    = if 0 {
      PushLeft ```.title2'''
      .title2 = ""
    }
    - }
    - .opt_septitle = 1
  }
end _coef_table__header.Build4ti
> tle
    - if `.prop_censlimits' {
    = if 0 {
      .Build4censlimits 1
    }
    - .c2 = `.lalignl' + 1
    = .c2 = 0 + 1
    - .c3 = `.width'-`.lalignr'-`.ralignr'-3+1
    = .c3 = 78-13-6-3+1
    - .c4 = `.c3' + `.lalignr'
    = .c4 = 57 + 13
    - if `.is_gsem' {
    = if 0 {
      if `.opt_dvheader' {
        gsem_depvar_header, left(`.left.objkey') right(`.right.objke
> y') c3(`.c3') c4(`.c4') c4wfmt(`.c4wfmt')
      }
    }
    - if `.is_xtvar' {
    = if 0 {
      local uno = (`e(rank_W)' < `e(Z_cols)') & (`e(J)' != .j)
      if ("`e(collapse)'"==""") {
        if (`uno'==0) {
        }
        else {
          local extra " {txt}"

```

```

    }
    .PushLeft "Number of moment conditions" " = " "as res" %`.c4
> wfmt'.0fc e(Z_cols) ""extra""
    }
    else {
    if (`uno'==0) {
    }
    .PushLeft "Number of moment conditions" " = " "as res" %`.c4
> wfmt'.0fc e(Z_cols) " {txt}(collapsed)"
    }
    local uno = (`e(rank_W)' < `e(Z_cols)') & (`e(J)' != .j)
    if ("`e(collapse)'"=="" & `uno'==0) {
    }
    if ("`e(collapse)'"=="" & `uno'==1) {
    .PushLeft "Rank of weight matrix" " = " "as res" %`.c4wfmt'.
> 0fc e(rank_W) "{txt}{helpb j_xtvar_Jdf##lowrank:*}"
    }
    if ("`e(collapse)'"!="" & `uno'==0) {
    }
    if ("`e(collapse)'"!="" & `uno'==1) {
    .PushLeft "Rank of weight matrix" " = " "as res" %`.c4wfmt'.
> 0fc e(rank_W) "{helpb j_xtvar_Jdf##lowrank:*}          {txt}"
    }
    }
- if `.is_cfreg' {
= if 0 {
    local k = e(k_paren)
    local mtypes `e(modeltypes)'
    local looklong: list uniq mtypes
    local kt: list sizeof looklong
    forvalues ei = 1(1)`=wordcount("`e(endog)'"')' {
    local enei : word `ei' of `e(endog)'
    _ms_parse_parts `enei'
    if (`r(omit)' & "`r(type)'"=="factor") {
    continue
    }
    local endog `endog' `enei'
    }
    if (`kt'>1 | `=wordcount("`endog'")>1) local ess s
    .PushLeft
    .PushLeft
    .PushLeft
    if ("`e(r2)'"!="") if (`e(r2)'<.) .PushLeft
    .PushLeft "Endogenous variable model`ess':"
    local largo = 0
    forvalues i=1/`kt' {

```

```

local x: word `i' of `looklong'
if ("`x'"=="fprobit") {
local x "Fractional probit"
}
local largo1 = strlen("`x'")
local largo = max(`largo', `largo1')
local largo1 = `largo'
}
forvalues j = 1/`kt' {
local endj: word `j' of `looklong'
forvalues i=1/`k' {
local typo "`e(type`i)'"
forvalues ei = 1(1) `=wordcount("`e(endogvars`i)')'" {
local eniei : word `ei' of `e(endogvars`i)''
_ms_parse_parts `eniei'
if (`r(omit)' & "`r(type)'"=="factor") {
continue
}
local insts`j'`_i' `insts`j'`_i'' `eniei'
}
if ("`endj'"=="`typo'") {
local print`j' "`print`j'' `insts`j'`_i''
local print`j' = strltrim("`print`j'")
}
}
}
forvalues i=1/`kt' {
local slng = `largo' + 6
local x: word `i' of `looklong'
if ("`x'"=="fprobit") {
local x "Fractional probit"
}
else {
local x = strproper("`x'")
}
local y "`print`i'"
.left.Arrpush %-%`slns' "    `x': " "{res}`y'"
}
if ("`e(vcetype)'" == "HAC") {
local ktyp `e(hac_kernel)'
local fmt -6.0f
local adds "s"
if "`ktyp'" == "quadratic spectral" {
local ktyp "Quadratic spectral"
local fmt -6.3f
}
}

```



```

        if `e(hac_lag)'==1 {
        local adds
        }
        local hn : di "{txt}HAC kernel: {res}`ktyp'" "{txt} with {re
> s}" `:di %`fmt' `e(hac_lag)'" "{txt} lag`adds'"
        .PushLeft
        .left.Arrpush %-48s "`hn'"
        }
        }
- .Build4crit

```

```

> ----- begin _coef_table__header.Build4c
> rit -----
        - version 16
        - if "`result'" != "e" {
        = if "e" != "e" {
            exit
        }
        - local offset 1
        - local hascrit = !missing("`e(ll)'"') & !missing("`e(crit
> type)'"')
        = local hascrit = !missing("`-274.6825618734752'"') & !missin
> g("`log pseudolikelihood'"')
        - if inlist("`e(dispers)'", "mean", "constant") {
        = if inlist("", "mean", "constant") {
            if `hascrit' {
                local ++offset
                local crtype "`e(crittype)'"
                local clen : length local crtype
                .c2 = `clen' + 2
            }
            local didisp = strtrim("` : di e(dispers)'"')
            local DISPERS `""Dispersion: {res:`didisp}'""'
        }
        - .FillLeft `offset'
        = .FillLeft 1

```

```

> ----- begin _coef_table__header.FillL
> eft -----
        - version 16
        - args offset
        - local kr = `.right.arnels'
        = local kr = 4
        - local kl = `.left.arnels'
        = local kl = 1
        - local diff = `kr' - `kl' - 0`offset'

```

```

= local diff = 4 - 1 - 01
- forval i = 1/`diff' {
= forval i = 1/2 {
- .left.Arrpush ""
- }
- .left.Arrpush ""
- }

> _____ end _coef_table__header.FillLL
> eft _____
- if ``DISPERS''' != "" {
= if `''' != "" {
    .PushLeft `DISPERS'
  }
- local crtype = upper(bsubstr(`"e(crittype)''',1,1)) + bsu
> bstr(`"e(crittype)''',2,.)
= local crtype = upper(bsubstr(`"log pseudolikelihood"',1,1)
> ) + bsubstr(`"log pseudolikelihood"',2,.)
- if `.is_sem' & `"e(critvalue)''' != "" & !`.is_svy' {
= if 0 & `''' != "" & !0 {
    .PushLeft
    .PushLeftRalign "`crtype'" " = " "as res" %10.0g e(critval
> ue)
    }
- else if `hascrit' {
= else if 1 {
- if `.is_gsem_group' {
= if 0 {
    local dill = strtrim("` : di %10.0g e(ll)')
    .PushLeft "`crtype' = {res:`dill'}"
  }
- else {
- .PushLeftRalign "`crtype'" " = " "as res" %10.0g e(ll)
= .PushLeftRalign "Log pseudolikelihood" " = " "as res" %10.
> 0g e(ll)

> _____ begin _coef_table__header.PushLeftRal
> ign _____
- version 16
- gettoken tok rest : 0
- gettoken eq rest : rest
- gettoken dias rest : rest
- if `:length local rest' {
= if 13 {
- local direst : di `rest'
= local direst : di %10.0g e(ll)

```

```

- local direst = strtrim("`direst'")
= local direst = strtrim("-274.68256")
- local len : smcllength local direst
- .ralignla = max(`.ralignla', `len')
= .ralignla = max(0, 10)
- local len : di ``tok'""
= local len : di `"Log pseudolikelihood"'
- local len : smcllength local len
- .lalignla = max(`.lalignla', `len')
= .lalignla = max(0, 20)
- .left.Arrpush ``.C1' ``{lalign `.lalignla':`tok}'" `.`
> C2a' ``eq'"" `dias' "{ralign `.ralignla':`direst}'"
= .left.Arrpush `.C1' ``{lalign `.lalignla':Log pseudolike
> lihood}'"`.C2a' " = " as res "{ralign `.ralignla':-274.68256}"
- }
- else if `:length local tok' {
= else if 20 {
. left.Arrpush ``.C1' ``tok'""
}
- else {
. left.Arrpush
}

> _____ end _coef_table__header.PushLeftRal
> ign _____
- }
- }

> _____ end _coef_table__header.Build4c
> rit _____
- .c2 = `.lalignl' + 1
= .c2 = 0 + 1
- .c2a = `.lalignla' + 1
= .c2a = 20 + 1
- .c3 = `.width'-.lalignr'-.ralignr'-3+1
= .c3 = 78-13-6-3+1
- .c4 = `.c3' + `.lalignr'
= .c4 = 57 + 13

> _____ end _coef_table__header.bu
> ild _____
- if ("`head2start'" != "") {
= if ("" != "") {
. `obj'.c3 = `head2start'
. `obj'.c4 = `head2start' + `. `obj'.lalignr'
. `obj'.width = `head2start' + `. `obj'.lalignr' + `. `obj'.ralig

```

```

> nr' + 2
    }
    - if (`has_obj' == 0) {
    = if (0 == 0) {
    - .`obj'.display
    = .__000005.display
    }
}

> _____ begin _coef_table__header.display
> lay _____
    - version 16
    - .ShowRules
    }

> _____ begin _coef_table__header.ShowRules
> les _____
    - version 16
    - if "`.result'" != "e" {
    = if "e" != "e" {
        exit
    }
    - if `.opt_rules' == 0 {
    = if 1 == 0 {
        exit
    }
    - if !inlist("`.cmd'", "logistic", "logit", "probit") {
    = if !inlist("poisson", "logistic", "logit", "probit") {
    - exit
    }

> _____ end _coef_table__header.ShowRules
> les _____
    - local nl = `.left.arnels'
    = local nl = 4
    - local nr = `.right.arnels'
    = local nr = 4
    - local K = max(`nl', `nr')
    = local K = max(4,4)
    - `.newline'
    = display

```

```

- if ``.title''' != "" {
= if `''' != "" {
  display as txt ``.title'''
  if ``.title2''' != "" {
    display as txt ``.title2'''
  }
  if `K' {
    display
  }
}
- forval i = 1/`K' {
= forval i = 1/4 {
- display as smcl as txt `.left['i']' as txt `.right['i']'
_____
> _____ begin _coef_table__header
> .C1 _____
      - version 16
      - class exit `"_col(`.c1')"'
      = class exit `"_col(1)"'
      _____
> _____ end _coef_table__header
> .C1 _____
      _____
> _____ begin _coef_table__header
> .C3 _____
      - version 16
      - class exit `"_col(`.c3')"'
      = class exit `"_col(57)"'
      _____
> _____ end _coef_table__header
> .C3 _____
      _____
> _____ begin _coef_table__header
> .C4 _____
      - version 16
      - class exit `"_col(`.c4')"'
      = class exit `"_col(70)"'
      _____
> _____ end _coef_table__header
> .C4 _____
      = display as smcl as txt _col(1) `"Poisson regression"' as txt
> _col(57) `{lalign 13:Number of obs}' _col(70) " = " as res "{ralign 6:144
> }"
Poisson regression                                Number of obs =    144
      - }
      - display as smcl as txt `.left['i']' as txt `.right['i']'

```

```

> _____ begin _coef_table__header
> .C3 _____
      - version 16
      - class exit `"_col(`.c3')"'
      = class exit `"_col(57)"'
      _____

> _____ end _coef_table__header
> .C3 _____

> _____ begin _coef_table__header
> .C4 _____
      - version 16
      - class exit `"_col(`.c4')"'
      = class exit `"_col(70)"'
      _____

> _____ end _coef_table__header
> .C4 _____
      = display as smcl as txt  as txt _col(57) `{lalign 13:Wald ch
> i2({res:11}))"' _col(70) " = " as res "{ralign 6:195.10}"
                                     Wald chi2(11) = 195.10
      - }
      - display as smcl as txt `.left['i']' as txt `.right['i']'
      _____

> _____ begin _coef_table__header
> .C3 _____
      - version 16
      - class exit `"_col(`.c3')"'
      = class exit `"_col(57)"'
      _____

> _____ end _coef_table__header
> .C3 _____

> _____ begin _coef_table__header
> .C4 _____
      - version 16
      - class exit `"_col(`.c4')"'
      = class exit `"_col(70)"'
      _____

> _____ end _coef_table__header
> .C4 _____
      = display as smcl as txt  as txt _col(57) `{lalign 13:Prob >
> chi2}"' _col(70) " = " as res "{ralign 6:0.0000}"
                                     Prob > chi2  = 0.0000
      - }
      - display as smcl as txt `.left['i']' as txt `.right['i']'

```

```

> _____ begin _coef_table__header
> .C1 _____
      - version 16
      - class exit `"_col(`.c1')"'
      = class exit `"_col(1)"'
      _____
> _____ end _coef_table__header
> .C1 _____
      _____
> _____ begin _coef_table__header.
> C2a _____
      - version 16
      - class exit `"_col(`.c2a')"'
      = class exit `"_col(21)"'
      _____
> _____ end _coef_table__header.
> C2a _____
      _____
> _____ begin _coef_table__header
> .C3 _____
      - version 16
      - class exit `"_col(`.c3')"'
      = class exit `"_col(57)"'
      _____
> _____ end _coef_table__header
> .C3 _____
      _____
> _____ begin _coef_table__header
> .C4 _____
      - version 16
      - class exit `"_col(`.c4')"'
      = class exit `"_col(70)"'
      _____
> _____ end _coef_table__header
> .C4 _____
      = display as smcl as txt _col(1) `{lalign 20:Log pseudolikeli
> hood}"" _col(21) " = " as res "{ralign 10:-274.68256}" as txt _col(57) `{la
> lign 13:Pseudo R2}"" _col(70) " = " as res "{ralign 6:0.3134}"
Log pseudolikelihood = -274.68256 Pseudo R2 = 0.3134
      - }
      _____
> _____ end _coef_table__header.disp
> lay _____
      - }
      - sreturn local width_header `.`obj'.width'

```

```

= sreturn local width_header 78
- sreturn local head2_right ``obj'.ralignr'
= sreturn local head2_right 6
- sreturn local head2_left ``obj'.lalignr'
= sreturn local head2_left 13
- sreturn local head2_start ``obj'.c3'
= sreturn local head2_start 57
- sreturn local head1_right ``obj'.ralignla'
= sreturn local head1_right 10
- sreturn local head1_left ``obj'.lalignla'
= sreturn local head1_left 20
- sreturn local head1_start ``obj'.c1'
= sreturn local head1_start 1

> _____ end _coef_table_he
> der _____
- di
- }
- _coef_table, `first' level(`level') `neqopt' `plus' `noskip' `sh
> oweqns' `diopts' `options' `notest'
= _coef_table, level(95)

> _____ begin _coef_ta
> ble _____
- version 11
- local vv : di "version " string(max(11,_caller())) ", missing:
> "
- if (!c(noisily) & c(coeftabresults) == "off") {
exit
}
- _check_eclass
- syntax [, BMATrix(passthru) VMATrix(passthru) * ]
- if ``e(b)'' == "" & ``e(V)'' == "" & ``bmatrix'\vmatrix'""==""
> {
= if "matrix" == "" & "matrix" == "" & ""=="" {
exit
}
- local mc_cmds contrast margins pwcompare pwmean
- local cmd ``e(cmd)''
= local cmd "poisson"
- local keepmc : list cmd in mc_cmds
- if inlist("`cmd'", "pwcompare", "pwmean") {
= if inlist("poisson", "pwcompare", "pwmean") {
local groups GROUPS
}
}

```



```

- if "`cmd'" == "regress" {
= if "poisson" == "regress" {
    local beta Beta
  }
- if "`cmd'" == "gsem" {
= if "poisson" == "gsem" {
    local fvignore fvignore(int 0)
    local flignore flignore
  }
- if "`cmd'" == "sem" {
= if "poisson" == "sem" {
    local standardized STANDARDIZED
    local showginvariant SHOWGINvariant
    local nolabel NOLABEL LABEL NOFVLABEL FVLABEL
    local nofootnote NOFOOTnote
    local wrap wrap(numlist max=1) fvwrap(passthru)
  }
- if "`e(mi)'"=="mi" {
= if ""=="mi" {
    local dftable DFTable
    local dfonly DFONLY
    local noclustreport NOCLUSTReport
    local pisematrix PISEMATrix(string)
  }
- syntax [, cmdextras BMATrix(string) VMATrix(string) EMATrix(st
> ring) DFMATrix(string) EQMATrix(string) ROWMATrix(string) CIMATrix(string) P
> MATrix(string) TSMATrix(string) ROWCFormat(string) ROWPFormat(string) ROWSFo
> rmat(string) NOROWCI MMATrix(string) MVMATrix(string) MEMATrix(string) BSTDM
> ATrix(string) CNSMATrix(string) PCLASSMATrix(string) Level(cilevel) prefix(n
> ame) cnszero(string) suffix(name) OFFSETlist(string asis) `beta' `standardiz
> ed' NOCI NOPValues `dftable' `dfonly' dfci DFPValues dfmissing `groups' COEF
> Legend selegend `fvignore' `flignore' `showginvariant' `nolabel' `nofootnote
> ' `wrap' sort `pisematrix' depname(string) COEFTitle(string) coeftitle2(stri
> ng) ptitle(string) cititle(string) NOMCLEgend noCNSReport FULLCNSReport `noc
> lustreport' cformat(passthru) sformat(passthru) pformat(passthru) NOFirst Fi
> rst SHOWEQns neq(integer -1) NODIPARM NOTEST SEPARATOR(integer 0) NOSKIP OFF
> SETONLY1 PLUS NOEQCHECK EFORMALL CITYPE(string) eqselect(string) cidisjoint
> noEFORMNOTE * ]
= syntax [, cmdextras BMATrix(string) VMATrix(string) EMATrix(st
> ring) DFMATrix(string) EQMATrix(string) ROWMATrix(string) CIMATrix(string) P
> MATrix(string) TSMATrix(string) ROWCFormat(string) ROWPFormat(string) ROWSFo
> rmat(string) NOROWCI MMATrix(string) MVMATrix(string) MEMATrix(string) BSTDM
> ATrix(string) CNSMATrix(string) PCLASSMATrix(string) Level(cilevel) prefix(n
> ame) cnszero(string) suffix(name) OFFSETlist(string asis) NOCI NOPValues
> dfci DFPValues dfmissing COEFLegend selegend sort depname(string) C
> OEFTitle(string) coeftitle2(string) ptitle(string) cititle(string) NOMCLEgen

```

```

> d noCNSReport FULLCNSReport cformat(passthru) sformat(passthru) pformat(pas
> sthru) NOFirst First SHOWEQns neq(integer -1) NODIPARM NOTEST SEPARATOR(inte
> ger 0) NOSKIP OFFSETONLY1 PLUS NOEQCHECK EFORMALL CITYPE(string) eqselect(st
> ring) cidisjoint noEFORMNOTE * ]
    - if "`wrap'" != "" {
    = if "" != "" {
      opts_exclusive "`wrap(`wrap') `fvwrap'"
      local fvwrap fvwrap(`wrap')
    }
    - if "`nolabel'`label'" != "" {
    = if "" != "" {
      opts_exclusive "`nolabel' `label'"
      opts_exclusive "`nofvlabel' `fvlabel'"
      opts_exclusive "`nolabel' `fvlabel'"
      opts_exclusive "`nofvlabel' `label'"
      if "`nolabel'" != "" {
        local fvlabel nofvlabel
      }
      else {
        local fvlabel fvlabel
      }
    }
    - _novce_other_mats, cimatrix("`cimatrix'") pmatrix("`pmatrix'")
> tsmatrix("`tsmatrix'") `noci' `nopvalues' `dfci' `dfpvalues' `cidisjoint'
    = _novce_other_mats, cimatrix("") pmatrix("") tsmatrix("")

> _____ begin _coef_table._novce_other_m
> ats _____
    - syntax [anything], [ CIMATrix(string) PMATrix(string) TSMATr
> ix(string) NOCI NOPValues dfci DFPValues cidisjoint ]
    - if ("`pmatrix'"=="" & "`tsmatrix'"=="" & "`e(V)'"=="" & "`ci
> matrix'"!=" & "`noci'"!=") {
      = if ("==" & ""=="" & "matrix"=="" & ""!=" & ""!=") {
        sreturn local cimatrix "empt"
      }
      - if ("`pmatrix'"=="" & "`tsmatrix'"!=" & "`e(V)'"=="" & "`ci
> matrix'"=="" & ("`noci'"!="|`nopvalues'"!=")) {
        = if ("==" & ""!=" & "matrix"=="" & ""=="" & ("!"=="|!"=="
> )) {
          sreturn local noci "empt"
          sreturn local nopvalues "empt"
        }
      - if ("`pmatrix'"=="" & "`tsmatrix'"=="" & "`e(V)'"=="" & "`ci
> matrix'"!=" & "`noci'"!=") {
        = if ("==" & ""=="" & "matrix"=="" & ""!=" & ""!=") {
          sreturn local cimatrix "empt"

```

```

    }
    - if ("`pmatix'" != "" & "`tsmatrix'" == "" & "`e(V)'" == "" & "`ci
> matrix'" == "" & "`nopvalues'" != "") {
    = if ("'" != "" & "" == "" & "matrix" == "" & "" == "" & "" != "") {
        sreturn local pmatix "empt"
    }
    - if ("`pmatix'" != "" & "`tsmatrix'" == "" & "`e(V)'" == "" & "`ci
> matrix'" == "" & "`noci'" != "") {
    = if ("'" != "" & "" == "" & "matrix" == "" & "" == "" & "" != "") {
        sreturn local noci "empt"
    }
    - if ("`pmatix'" != "") {
    = if ("'" != "") {
        tempname pmat invalid
        capture matrix `pmat' = `pmatix'
        local rc = _rc
        if (`rc') {
            display as error "invalid {bf:pmatix()}"
            exit 198
        }
        else {
            local k: rowsof `pmat'
            if (`k' > 1 | `k' == 0) {
                display as error "{bf:pmatix()} should be a row vector"
                exit 198
            }
        }
        scalar `invalid' = 1
        mata: _is_in_0_1void("`pmat'", "`invalid'")
        if (`invalid' == 0) {
            display as error "invalid {bf:pmatix()}"
            di as txt "{p 4 4 2}"
            di as smcl as err "{bf:pmatix()}"
            di as smcl as err "should contain values inside"
            di as smcl as err "the interval [0,1]."
            di as smcl as err "{p_end}"
            exit 198
        }
    }
    - if ("`tsmatrix'" != "") {
    = if ("'" != "") {
        tempname tmat
        capture matrix `tmat' = `tsmatrix'
        local rc = _rc
        if (`rc') {
            display as error "invalid {bf:tsmatrix()}"

```

```

exit 198
}
else {
local k: rowsof `tmat'
if (`k'>1 | `k'==0) {
display as error "{bf:tsmatrix()} should be a row vector"
exit 198
}
}
}
- if ("`cimatrix'"!="") {
= if ("!=") {
tempname cimat isvalid
capture matrix `cimat' = `cimatrix'
local rc = _rc
if (`rc') {
display as error "invalid {bf:cimatrix()}"
exit 198
}
if ("`cidisjoint'"==" & "`e(disjoint)'"=="") {
scalar `isvalid' = 1
mata: _is_in_ci("`cimat'", "`isvalid'")
if (`isvalid'==0) {
display as error "invalid {bf:cimatrix()}"
di as txt "{p 4 4 2}"
di as smcl as err "{bf:cimatrix()}"
di as smcl as err "lower limit should be"
di as smcl as err "smaller than the upper"
di as smcl as err "limit."
di as smcl as err "{p_end}"
exit 198
}
}
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`pmatrx'"!="") {
= if ("matrix"==" & "!=" & "!=") {
opts_exclusive "pmatrx() `dfci'"
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`tsmatrix'"!="") {
= if ("matrix"==" & "!=" & "!=") {
opts_exclusive "tsmatrix() `dfci'"
}
- if ("`e(V)'"==" & "`dfci'"!=" & "`cimatrix'"!="") {
= if ("matrix"==" & "!=" & "!=") {
opts_exclusive "cimatrix() `dfci'"
}
}
}

```

```

- if ("`e(V)'"==" & "`dfpvalues'"!=" & "`pmatrx'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "pmatrx() `dfci'"
}
- if ("`e(V)'"==" & "`dfpvalues'"!=" & "`tsmatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "tsmatrix() `dfpvalues'"
}
- if ("`e(V)'"==" & "`dfpvalues'"!=" & "`cimatrix'"!=") {
= if ("matrix"==" & ""!=" & ""!=") {
  opts_exclusive "cimatrix() `dfpvalues'"
}
}

> _____ end _coef_table._novce_other_m
> ats _____
- if ("`s(cimatrix)'"=="empt") {
= if ("=="empt") {
  local cimatrix ""
}
- if ("`s(pmatrx)'"=="empt") {
= if ("=="empt") {
  local pmatrx ""
}
- if ("`s(noci)'"=="empt") {
= if ("=="empt") {
  local noci ""
}
- if ("`s(nopvalues)'"=="empt") {
= if ("=="empt") {
  local nopvalues ""
}
- if ("`e(V)'"!=" & "`cidisjoint'"!=") {
= if ("matrix"!=" & ""!=") {
  display in red "option {bf:cidisjoint} not allowed when e(V) i
> s posted"
  exit 198
}
- else local fvlabel `nofvlabel' `fvlabel'
= else local fvlabel
- local type `coeflegend' `selegend'
= local type
- opts_exclusive "`type' `standardized'"
= opts_exclusive " "
}

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit

> _____ end opts_exclus
> ive _____
- if (``rowmatrix'=='' & ``norowci'!=') {
= if (``'=='' & ''!=') {
    di as err "{bf:norowci} requires {bf:rowmatrix()}"
    exit 198
    }
- if (``dftable'!='' & ``norowci'!=') {
= if (``'!='' & ''!=') {
    di as err "{bf:norowci} is not allowed with {bf:`dftable'}"
    exit 198
    }
- if (``dfonly'!='' & ``norowci'!=') {
= if (``'!='' & ''!=') {
    di as err "{bf:norowci} is not allowed with {bf:`dfonly'}"
    exit 198
    }
- if (``noci'!='' & ``norowci'!=') {
= if (``'!='' & ''!=') {
    di as err "{bf:norowci} is not allowed with {bf:`noci'}"
    exit 198
    }
- if ``standardized' != '' & ``bstdmatrix' != '' {
= if '' != '' & '' != '' {
    local beta beta
    local standardized
    }
- if `:length local type' == 0 {
= if 0 == 0 {
- local type `beta' `noci' `nopvalues' `dftable' `dfonly' `group
> s' `dfci' `dfpvalues'
= local type

```

```

- }
- opts_exclusive ``type''
= opts_exclusive ""

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - opts_exclusive ``first' `nofirst''
    = opts_exclusive " "

> ----- begin opts_exclus
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive
    - opts_exclusive ``first' `showeqns''
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - local cnsreport `cnsreport' `fullcnsreport'
    = local cnsreport
    - opts_exclusive ``cnsreport'
    = opts_exclusive ""
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - if ```showeqns'`` != "" {
    = if `""' != "" {
        local nofirst nofirst
    }
    - if ```ematrix'`noeqcheck'`` == "" {

```



```

= if `""` == "" {
- if ``e(error)`` == "matrix" {
= if `""` == "matrix" {
  local ematrix e(error)
}
- }
- _get_mcompare, `options'
= _get_mcompare,

> _____ begin _get_mcomp
> are _____
      - version 11
      - local cmd ``e(cmd)``
      = local cmd ``poisson``
      - syntax [name(name=caller)] [, *]
      - local is_pwc = inlist("pwcompare", ``cmd``, ``caller``) | in
> list("pwmean", ``cmd``, ``caller``)
      = local is_pwc = inlist("pwcompare", "poisson", "") | inlist("
> pwmean", "poisson", "")
      - local is_marg = inlist("margins", ``cmd``, ``e(cmd2)``, ``ca
> ller``)
      = local is_marg = inlist("margins", "poisson", "", "")
      - local OPTIONS NOADJust BONferroni DUNCAn DUNNett SCHeffe SID
> ak SNK TUKey ADJustall
      - if `is_pwc` {
      = if 0 {
        syntax [name] [, `OPTIONS' MCOMPare(string) *]
      }
      - else {
      - syntax [name] [, MCOMPare(string) *]
      - local suboption mcompare()
      - }
      - sreturn clear
      - sreturn local options ``options``
      = sreturn local options ````
      - if `is_pwc` {
      = if 0 {
        local METHOD `noadjust' `bonferroni' `duncan' `dunnett' `sch
> effe' `sidak' `snk' `tukey'
        local METHOD : list uniq METHOD
        opts_exclusive ``METHOD``
        local ALL `adjustall'
        opts_exclusive ``noadjust' `ALL``
      }
      - local 0 `", `mcompare``
      = local 0 `", ``

```

```

        - capture syntax [, `OPTIONS']
        = capture syntax [, NOADJust BONferroni DUNCAn DUNNett SCHeffe
> SIDak SNK TUKey ADJustall]
        - if c(rc) {
            di as err "invalid mcompare() option;"
            di as err "method ``mcompare'' not allowed"
            error 198
        }
        - local METHOD `METHOD' `noadjust' `bonferroni' `duncan' `dunn
> ett' `scheffe' `sidak' `snk' `tukey'
        = local METHOD
        - local METHOD : list uniq METHOD
        - local ALL `ALL' `adjustall'
        = local ALL
        - local ALL : list uniq ALL
        - opts_exclusive ``METHOD'' `suboption'
        = opts_exclusive "" mcompare()

> _____ begin opts_exclus
> ive _____
        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
        = local opts
        - local n 0
        - while ```opts'"" != "" {
        = while `""' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
        = if 0 < 2 {
            - exit

> _____ end opts_exclus
> ive _____
        - if ``METHOD'' == "" {
        = if "" == "" {
        - if ``ALL'' != "" {
        = if "" != "" {
            di as err "multiple comparison method required with the adju
> stall option"
            exit 198
        }
        - local METHOD noadjust
        - local noadjust noadjust

```

```

- }
- opts_exclusive "`ALL' `noadjust'" `suboption'
= opts_exclusive " noadjust" mcompare()

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts noadjust
    - local n 0
    - while ``opts'" != "" {
    = while ``noadjust'" != "" {
    - local ++n
    - gettoken item`n' opts : opts, bind
    = gettoken item1 opts : opts, bind
    - }
    - while ``opts'" != "" {
    = while `"' != "" {
      local ++n
      gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 1 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - local EXCLUDE duncan dunnett snk tukey
    - if `:list METHOD in EXCLUDE' {
    = if 0 {
      if `is_pwc' {
        local opt : copy local METHOD
      }
      else {
        local opt "mcompare(`METHOD')"
      }
      local cmdlist anova manova regress mvreg pwmean
      if "`cmd'" == "pwcompare" {
        local cmd ``e(cmd_est)'"
      }
      if `is_marg' {
        local cmd margins
      }
      if !`:list cmd in cmdlist' | !`is_pwc' {
        di as err ``method `opt' is not allowed with results from `c

```

```

> md'''
    exit 322
    }
    if `"'e(prefix)''' == "svy" {
di as err `"method `opt' is not allowed with results using t
> he svy prefix'''
    exit 322
    }
    local vce `"'e(vce)'''
    if !inlist("`vce'", "", "ols") {
di as err `"method `opt' is not allowed with results using v
> ce(`vce')'''
    exit 322
    }
    }
    - local EXCLUDE duncan dunnett snk tukey scheffe
    - if `:list METHOD in EXCLUDE' {
= if 0 {
    if "`ALL'" != "" {
di as err `"option adjustall is not allowed with method `MET
> HOD'''
    exit 198
    }
    }
    - sreturn local method `"'METHOD'''
= sreturn local method `"noadjust"'
    - sreturn local adjustall `"'ALL'''
= sreturn local adjustall `"'
    }

> _____ end _get_mcomp
> are _____
    - local method `"'s(method)'''
= local method `"noadjust"'
    - local all `"'s(adjustall)'''
= local all `"'
    - local options `"'s(options)'''
= local options `"'
    - if "`method'" != "noadjust" {
= if "noadjust" != "noadjust" {
        local keepmc 1
    }
    - opts_exclusive "`all' `groups'"
= opts_exclusive " "
    }

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> _____ end opts_exclus
> ive _____
    - if "`method'" == "dunnett" {
= if "noadjust" == "dunnett" {
    opts_exclusive "`method' `groups'"
}
- _get_diopts diopts options, `options' `fvwrap' `fvlabel'
= _get_diopts diopts options,
}

> _____ begin _get_dio
> pts _____
    - version 11
    - syntax namelist(max=2) [, *]
    - gettoken name1 namelist : namelist
    - gettoken name2 namelist : namelist
    - GetDiopts diopts options, `options'
= GetDiopts diopts options,
}

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(str
> ing) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP

```

```

> E(passthru) NOABBREV ABBREV *)
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nbaselevels'"
    = opts_exclusive " "
    _____

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'`` != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
        }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```



```

= while `""` != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while `""opts""` != "" {
= while `""` != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while `""opts""` != "" {
= while `""` != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "
}
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "
}
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {

```

```

- exit
- end opts_exclus
>
> ive
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive

```

```

- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
    }
  }
}

```

```

di "{txt}note: invalid cformat(), using default"
}
sreturn local cformat ``cformat'''
local cformat `cformat(`cformat')'''
}
- if `:length local sformat' {
= if 0 {
confirm numeric format `sformat'
if fmtwidth(`sformat') > 8 {
local sformat "%8.2f"
di "{txt}note: invalid sformat(), using default"
}
sreturn local sformat ``sformat'''
local sformat `sformat(`sformat')'''
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth(`pformat') > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat ``pformat'''
local pformat `pformat(`pformat')'''
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwrapon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - local fwwrapon `word' `width'
    = local fwwrapon
    - if `:length local fwwrapon' {
    = if 0 {
        c_local fwwrapon fwwrapon(`fwwrapon')
    }
    _____

> _____ end _get_diopts.Wra
> pon _____
    - if "`fwwrap'" != "" {
    = if "" != "" {
        FWWrap, `fwwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fwwrap' `fwwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abb
> rev'

    = c_local diopts
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options'
    = c_local options `"'
    - }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'

```

```

        = sreturn local versus
        - sreturn local compare `compare'
        = sreturn local compare
        - sreturn local level `level'
        = sreturn local level 95
    _____
> _____ end _get_diopts.GetDio
> pts _____
        - c_local `name1' ``diopsts'""
        = c_local diopsts `""'
        - local snames : s(macros)
        - foreach sname of local snames {
        - local S_`sname' = s(`sname')
        = local S_level = s(level)
        - }
        - local S_`sname' = s(`sname')
        = local S_method = s(method)
        - }
        - sreturn clear
        - GetDiopts DEFAULT
    _____
> _____ begin _get_diopts.GetDio
> pts _____
        - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(stri
> ng) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
        - syntax namelist(max=2) [, `DIOPTS' *]
        = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *]
        - opts_exclusive "`allbaselevels' `noallbaselevels'"
        = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
        - version 8.2
        - args opts optname errcode optslab
        - local opts `opts'
        = local opts
        - local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nbaselevels'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nbaselevels'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }

```



```

    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``"opts"' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``"opts"' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"

```

```

= opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---



```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab

```

```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'

```

```

= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
  }

```

```

}
sreturn local sformat ``sformat'''
local sformat `sformat(`sformat')''
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth(`pformat') > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat ``pformat'''
local pformat `pformat(`pformat')''
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraapon , `fvwraapon'
= Wraapon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwraapon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive ``word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

```

```

> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts''' != "" {
= while `''' != "" {
local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
}
> _____ end _get_diopts.Wra
> pon _____
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abb
> rev'
    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options'
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
}
> _____ end _get_diopts.GetDio
> pts _____
    - if ``name2' == "" {
    = if "options" == "" {
        GetDiopts DUPS, `options'
    }
}

```



```

- else {
- GetDiopts DUPS options, `options'
= GetDiopts DUPS options,

```

```

> _____ begin _get_diopts.GetDio
> pts _____
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(stri
> ng) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *]
- opts_exclusive "`allbaselevels' `noallbaselevels'"
= opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
local ++n
gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> _____ end opts_exclus
> ive _____
- opts_exclusive "`allbaselevels' `nobaselevels'"
= opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
- version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> _____ end opts_exclus
> ive _____
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> _____ end opts_exclus
> ive _____
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
}

```

```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``"opts"' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``"opts"' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - local K : list sizeof namelist

```

```

- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells
    - local omitted `omitted' `noomitted'
    = local omitted
    - local lstretch `lstretch' `nolstretch'
    = local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
    = local fvlabel
    - local abbrev `abbrev' `noabbrev'
    = local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
    = if "" == "" {
    - if c(showbaselevels) == "all" {
        local allbaselevels allbaselevels
    }
    - else if c(showbaselevels) == "on" {
        local baselevels baselevels
    }
    - }
    - if "`emptycells'" == "" {
    = if "" == "" {
    - if c(showemptycells) == "off" {
        local emptycells noemptycells
    }

```

```

- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"
      di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')'
  }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth("`pformat'") > 5 {
      local pformat "%5.3f"
      di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat "`pformat'"
    local pformat `pformat(`pformat')'
  }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']

```



```

    }
    - if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
    - Wrapon , `fvwrapon'
= Wrapon ,

```

```

> ----- begin _get_diopts.Wra
> pon -----
    - capture syntax [, W0rd WIdth]
    - if c(rc) {
        di as err "invalid fvwrapon() option;"
        syntax [, W0rd WIdth]
        exit 198
    }
    - opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit

```

```

> ----- end opts_exclus
> ive -----
    - local fvwrapon `word' `width'
= local fvwrapon
    - if `:length local fvwrapon' {
= if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }

```

```

> ----- end _get_diopts.Wra
> pon -----

```

```

- if "`fvwrap'" != "" {
= if "" != "" {
    FVWrap, `fvwrap'
}
- c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abb
> rev'

= c_local DUPS
- if `K' == 2 {
= if 2 == 2 {
- c_local `c_opts' ``options'''
= c_local options `'''
- }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95
}

> _____ end _get_diopts.GetDio
> pts _____

- c_local `name2' ``options'''
= c_local options `'''
- }
- local DUPS : list DUPS - DEFAULT
- gettoken DUPS : DUPS
- if ``DUPS''' != "" {
= if `''' != "" {
    if (strpos(`DUPS'', "(")) {
        gettoken DUPS : DUPS, parse("(")
        local DUPS `DUPS'()'
    }
    di as err "duplicate {bf:`DUPS'} option not allowed"
    exit 198
}
- sreturn clear
- foreach sname of local snames {
- sreturn local `sname' = ``S_`sname'''
= sreturn local level = `95'
- }
- sreturn local `sname' = ``S_`sname'''

```

```

        = sreturn local method = `"noadjust"'
        - }
    }
end _get_dio

> pts
    - local legend coeflegend selegend
    - local legend : list legend & diopts
    - local diopts : list diopts - legend
    - local lstretch lstretch nolstretch
    - local lstretch : list lstretch & diopts
    - local diopts : list diopts - lstretch
    - local markdown markdown
    - local markdown : list markdown & diopts
    - local diopts : list diopts - markdown
    - _get_diopts ignore, `diopts' `cformat' `sformat' `pformat'
    = _get_diopts ignore,

> begin _get_dio
> pts
    - version 11
    - syntax namelist(max=2) [, *]
    - gettoken name1 namelist : namelist
    - gettoken name2 namelist : namelist
    - GetDiopts diopts options, `options'
    = GetDiopts diopts options,

> begin _get_diopts.GetDio
> pts
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(strin
> g) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "

> begin opts_exclus
> ive

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nbaselevels'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nbaselevels'"
    = opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```

```

- exit
> ----- end opts_exclus
> ive -----
- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "
> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "
> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
> ----- end opts_exclus
> ive -----

```

```

- opts_exclusive "`nocl' `nopvalues'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> ----- end opts_exclus
> ive -----
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

```



```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

> ----- end opts_exclus
> ive -----
    - local allbaselevels `allbaselevels' `noallbaselevels'
    = local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
    = local baselevels
    - local emptycells `emptycells' `noemptycells'
    = local emptycells

```

```

- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
  local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {

```

```

= if 0 {
    confirm numeric format `sformat'
    if fmtwidth(`""sformat'") > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat `""sformat'""
    local sformat `sformat(`sformat')""
}
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`""pformat'") > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
    }
    sreturn local pformat `""pformat'""
    local pformat `pformat(`pformat')""
}
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

```

> ----- begin _get_diopts.Wra
> pon -----

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwrapon() option;"
    syntax [, W0rd WIdth]
    exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

```

```

> ----- begin opts_exclus
> ive -----

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'

```

```

        = local opts
        - local n 0
        - while ``opts'' != "" {
        = while `'' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}

> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
}

> _____ end _get_diopts.Wra
> pon _____
    - if ``fvwrap'' != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abb
> rev'

    = c_local diopts
    - if `K' == 2 {
    = if 2 == 2 {
        - c_local `c_opts' ``options''
        = c_local options `''
        - }
        - sreturn local coding `coding'
        = sreturn local coding
        - sreturn local versus `versus'
        = sreturn local versus
        - sreturn local compare `compare'
        = sreturn local compare
        - sreturn local level `level'
        = sreturn local level 95
    }
}

```

```

> _____ end _get_diopts.GetDio
> pts _____
    - c_local `name1' ```diopts''
    = c_local ignore `''
    - local snames : s(macros)
    - foreach sname of local snames {
    - local S_`sname' = s(`sname')
    = local S_level = s(level)
    - }
    - local S_`sname' = s(`sname')
    = local S_method = s(method)
    - }
    - sreturn clear
    - GetDiopts DEFAULT
    _____

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(stri
> ng) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *]
    - opts_exclusive ```allbaselevels' `noallbaselevels'
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```

```

> ive -----
      - opts_exclusive "`emptycells' `noemptycells'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
      }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - opts_exclusive "`fvlabel' `nofvlabel'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
      }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - opts_exclusive "`omitted' `noomitted'"
      = opts_exclusive " "
-----

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab

```



```

- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
  }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {

```

```

= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
- if `n` < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding` `compare`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""`opts`"" != "" {
= while `""` != "" {
    local ++n
    gettoken item`n` opts : opts, bind
}
    - if `n` < 2 {
= if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus` `compare`"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts`
= local opts
    - local n 0
    - while `""`opts`"" != "" {
= while `""` != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ``opts' != "" {
= while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
    - local baselevels `baselevels' `nobaselevels'
= local baselevels
    - local emptycells `emptycells' `noemptycells'
= local emptycells
    - local omitted `omitted' `noomitted'
= local omitted
    - local lstretch `lstretch' `nolstretch'
= local lstretch
    - local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
    - local abbrev `abbrev' `noabbrev'
= local abbrev
    - if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
    - if c(showbaselevels) == "all" {

```

```

        local allbaselevels allbaselevels
    }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
        local cformat "%9.0g"
        di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')"'
}
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
    }
    sreturn local sformat "`sformat'"
    local sformat `sformat(`sformat')"'
}
- if `:length local pformat' {
= if 0 {

```

```

confirm numeric format `pformat'
if fmtwidth("`pformat'") > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat "`pformat'"
local pformat `pformat(`pformat')"'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

> _____ begin _get_diopts.Wra
> pon _____
- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwrapon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive "`word' `width'" fvwrapon
= opts_exclusive " " fvwrapon

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
local ++n
gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

```

```

> _____ end opts_exclus
> ive _____
      - local fvwrapon `word' `width'
      = local fvwrapon
      - if `:length local fvwrapon' {
      = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
      }
      _____

> _____ end _get_diopts.Wra
> pon _____
      - if "`fvwrap'" != "" {
      = if "" != "" {
        FVWrap, `fvwrap'
      }
      - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abb
> rev'

      = c_local DEFAULT
      - if `K' == 2 {
      = if 1 == 2 {
        c_local `c_opts' ``options'
      }
      - sreturn local coding `coding'
      = sreturn local coding
      - sreturn local versus `versus'
      = sreturn local versus
      - sreturn local compare `compare'
      = sreturn local compare
      - sreturn local level `level'
      = sreturn local level 95
      _____

> _____ end _get_diopts.GetDio
> pts _____
      - if ``name2' == "" {
      = if ``' == "" {
      - GetDiopts DUPS, `options'
      = GetDiopts DUPS,
      _____

> _____ begin _get_diopts.GetDio
> pts _____
      - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(stri

```

```

> ng) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITTED OMITTED NOLSTRETCH LSTRETCH COEFLEGEND SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }

```

```

- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

```



```

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ```opts'"" != "" {
    = while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "

```

```

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    -----

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
    -----

> ----- begin opts_exclus
> ive -----
    - version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "
}

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'

```

```

        = local opts
        - local n 0
        - while ``opts'' != "" {
        = while `'' != "" {
            local ++n
            gettoken item`n' opts : opts, bind
        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `'' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {

```

```

- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')"'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')"'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth("`pformat'") > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat "`pformat'"
  local pformat `pformat(`pformat')"'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
}
- Wraon , `fvwraon'
= Wraon ,

```

> _____ begin _get_diopts.Wra

```

> pon
    - capture syntax [, WOrd Width]
    - if c(rc) {
      di as err "invalid fvwrapon() option;"
      syntax [, WOrd Width]
      exit 198
    }
    - opts_exclusive "`word' `width'" fvwrapon
    = opts_exclusive " " fvwrapon

>
> ive
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
      local ++n
      gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit

>
> ive
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
      c_local fvwrapon fvwrapon(`fvwrapon')
    }

>
> pon
    - if "`fvwrap'" != "" {
    = if "" != "" {
      FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abb
> rev'

```

```

= c_local DUPS
- if `K' == 2 {
= if 1 == 2 {
    c_local `c_opts' ``options'''
    }
- sreturn local coding `coding'
= sreturn local coding
- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

```

```

> _____ end _get_diopts.GetDio
> pts _____
    - }
    - else {
        GetDiopts DUPS options, `options'
        c_local `name2' ``options'''
        }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS
    - if ``DUPS''' != "" {
= if `''' != "" {
    if (strpos(`DUPS''', "(")) {
        gettoken DUPS : DUPS, parse("(")
        local DUPS `DUPS'()'
    }
    di as err "duplicate {bf:`DUPS'} option not allowed"
    exit 198
    }
- sreturn clear
- foreach sname of local snames {
- sreturn local `sname' = ``S_`sname''''
= sreturn local level = `95''
- }
- sreturn local `sname' = ``S_`sname''''
= sreturn local method = `noadjust''
- }

```

```

> _____ end _get_dio
> pts _____
    - local cformat ``s(cformat)'''
= local cformat `'''
- local sformat ``s(sformat)'''

```



```

= local sformat `""'
- local pformat ``s(pformat)''
= local pformat `""'
- _get_eformopts , eformopts(`options') allowed(__all__) soption
> s
= _get_eformopts , eformopts() allowed(__all__) soptions


---


> 

---

 begin _get_eformo
> pts 

---


- version 8.0
- syntax [, eformopts(string asis) soptions ALLOWed(string) ]
- local 0 , `eformopts'
= local 0 ,
- local EFALL NOHR hr NOSHR shr or IRr RRr tr TRatio
- if ``soptions'' != "" {
= if "soptions" != "" {
- syntax [, EForm1(passthru) EForm `EFALL' * ]
= syntax [, EForm1(passthru) EForm NOHR hr NOSHR shr or IRr RR
> r tr TRatio * ]
- local opts ``options''
= local opts `""'
- local 0 , `eform1' `eform' `nohr' `hr' `noshr' `shr' `or' `i
> rr' `rrr' `tr' `tratio'
= local 0 ,
- }
- if ``allowed'' == "__all__" {
= if "__all__" == "__all__" {
- local allowed `EFALL'
= local allowed NOHR hr NOSHR shr or IRr RRr tr TRatio
- }
- foreach ef of local allowed {
- capture confirm name `ef'
= capture confirm name NOHR
- if _rc {
di as err ``ef' is not a valid name"
exit 198
}
- local efopts `efopts' `=lower("`ef"')'
= local efopts nohr
- }
- capture confirm name `ef'
= capture confirm name hr
- if _rc {
di as err ``ef' is not a valid name"
exit 198
}
}

```

```

- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr
- }
- capture confirm name `ef'
= capture confirm name NOSHR
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr
- }
- capture confirm name `ef'
= capture confirm name shr
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr
- }
- capture confirm name `ef'
= capture confirm name or
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or
- }
- capture confirm name `ef'
= capture confirm name IRr
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr
- }
- capture confirm name `ef'
= capture confirm name RRr
- if _rc {
    di as err "`ef' is not a valid name"
    exit 198
}
- local efopts `efopts' `=lower("`ef'")'

```

```

= local efopts nohr hr noshr shr or irr rrr
- }
- capture confirm name `ef'
= capture confirm name tr
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr tr
- }
- capture confirm name `ef'
= capture confirm name TRatio
- if _rc {
  di as err "`ef' is not a valid name"
  exit 198
}
- local efopts `efopts' `=lower("`ef'")'
= local efopts nohr hr noshr shr or irr rrr tr tratio
- }
- local efopts : list uniq efopts
- syntax [, EForm1(string) EForm `allowed' ]
= syntax [, EForm1(string) EForm NOHR hr NOSHR shr or IRr RRr

> tr TRatio ]
- foreach ef of local efopts {
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }

```

```

- local eform `eform' ``ef''
= local eform
- }
- local eform `eform' ``ef''
= local eform
- }
- if ```eform1'``=="Odds ratio" {
= if ``'``=="Odds ratio" {
    local eform_cons_ti = "Odds"
    local eform_cons_note = "odds ratios"
}
- else if ```eform1'``=="Haz. ratio" {
= else if ``'``=="Haz. ratio" {
    local eform_cons_ti = "Hazard"
    local eform_cons_note = "hazard ratios"
}
- else if ```eform1'``=="Time ratio" {
= else if ``'``=="Time ratio" {
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
}
- else if ```eform1'``=="IRR" {
= else if ``'``=="IRR" {
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
}
- else if ```eform1'``=="Risk ratio" {
= else if ``'``=="Risk ratio" {
    local eform_cons_ti = "Risk"
    local eform_cons_note = "risk ratios"
}
- else if ```eform1'``=="Hlth ratio" {
= else if ``'``=="Hlth ratio" {
    local eform_cons_ti = "Health"
    local eform_cons_note = "health ratios"
}
- local k : list sizeof eform
- if `k' {
= if 0 {
    opts_exclusive "`eform'"
    if `:length local eform1' {
    opts_exclusive "eform() `eform'"
    }
}
- if `k' {

```

```

= if 0 {
  if ("`eform`"=="eform") local eform1 = "exp(b)"
  else if ("`eform`"=="hr") {
    local eform1 = "Haz. ratio"
    local eform_cons_ti = "Hazard"
    local eform_cons_note = "hazard ratios"
  }
  else if ("`eform`"=="shr") {
    local eform1 = "SHR"
    local eform_cons_ti = "Subhazard"
    local eform_cons_note = "subhazard ratios"
  }
  else if ("`eform`"=="tr") {
    local eform1 = "Time ratio"
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
  }
  else if ("`eform`"=="tratio") {
    local eform1 = "Time ratio"
    local eform_cons_ti = "Time"
    local eform_cons_note = "time ratios"
  }
  else if ("`eform`"=="or") {
    local eform1 = "Odds ratio"
    if ("`e(cmd)`"=="asclogit" | "`e(cmd)`"=="cmclogit" | "`e(cm
> d)`"=="cmmixlogit" | "`e(cmd)`"=="cmxtmixlogit" ) {
      local eform_cons_ti = "Rel. risk"
      local eform_cons_note = "relative-risk ratios"
      local eform_cons_ti2 = "relative risk"
    }
    else {
      local eform_cons_ti = "Odds"
      local eform_cons_note = "odds ratios"
    }
  }
  else if ("`eform`"=="irr") {
    local eform1 = "IRR"
    local eform_cons_ti = "Inc. rate"
    local eform_cons_note = "incidence-rate ratios"
    local eform_cons_ti2 = "incidence rate"
  }
  else if ("`eform`"=="rrr") {
    local eform1 = "RRR"
    local eform_cons_ti = "Rel. risk"
    local eform_cons_note = "relative-risk ratios"
    local eform_cons_ti2 = "relative risk"
  }
}

```

```

    }
    else if ("`eform`"!="nohr") & ("`eform`"!="noshr") {
      local eform1 = upper("`eform`")
    }
  }
  - sreturn clear
  - sreturn local options ```opts`''
= sreturn local options `""`
  - sreturn local opt `eform`
= sreturn local opt
  - sreturn local str `eform1`
= sreturn local str
  - if ```eform1`'' != "" {
= if `""` != "" {
    sreturn local eform eform("`eform1`")
  }
  - else sreturn local eform ""
  - sreturn local eform_cons_ti `eform_cons_ti`
= sreturn local eform_cons_ti
  - sreturn local eform_cons_note `eform_cons_note`
= sreturn local eform_cons_note
  - sreturn local eform_cons_ti2 `eform_cons_ti2`
= sreturn local eform_cons_ti2
}

> _____ end _get_eformo
> pts _____
  - local tr_item = ```s(eform_cons_note)`''
= local tr_item = `""`
  - if inlist("`bmatrix`", "", "e(b)") & "`e(k_eform)`" == "0" {
= if inlist("", "", "e(b)") & "" == "0" {
    local eform
  }
  - else local eform ```s(str)`''
= else local eform `""`
  - local eform_cons_ti ```s(eform_cons_ti)`''
= local eform_cons_ti `""`
  - local eform_cons_ti2 ```s(eform_cons_ti2)`''
= local eform_cons_ti2 `""`
  - if ("`e(consonly)`"!="1" | ```eform_cons_ti`''=="" ) {
= if ("0!="1" | `""`=="" ) {
    - local eformdi ```s(str)`''
= local eformdi `""`
  - }
  - else {
    local eformdi ```eform_cons_ti`''
    local tr_item = cond(missing("`eform_cons_ti2`"), strlower("`

```

```

> eform_cons_ti'''), ``eform_cons_ti2''')
    }
    - local coefttl = cond(``eform''==``, ``coeftitle'', ``ef
> ormdi'')
    = local coefttl = cond(``''==``, ``'', ``'')
    - local options ``s(options)''
    = local options ``'
    - _get_diparmopts, diparmopts(`options') level(`level')
    = _get_diparmopts, diparmopts() level(95)


---


> _____ begin _get_diparmo
> pts _____
    - if _caller() < 8.2 {
      _get_diparmopts_8 `0'
      exit
    }
    - version 9
    - local version : di "version " string(_caller()) ":"
    - syntax [, diparmopts(string asis) EXECute soptions bottom pl
> us SYNTAXonly * ]
    - local goptions `options'
    = local goptions level(95)
    - SpliceGlobals junk , `goptions'
    = SpliceGlobals junk , level(95)


---


> _____ begin _get_diparmopts.SpliceGlob
> als _____
    - syntax name(id="macro name" name=c_diparm) [, diparm(strin
> g asis) Level(cilevel) dof(passthru) syntaxonly ]
    - if ``dof'' == "" & ``e(df_r)'' != "" {
    = if ``'' == "" & ``'' != "" {
      capture confirm integer number `e(df_r)'
      if !c(rc) {
        local gdof dof(`e(df_r)')
      }
      capture
    }
    - else local gdof ``dof''
    = else local gdof ``'
    - local glevel `level'
    = local glevel 95
    - local lopt level(`glevel')
    = local lopt level(95)
    - if (``diparm'' == "") exit
    = if (``'' == "") exit


---



```

```

> _____ end _get_diparmopts.SpliceGlob
> als _____
    - local 0 `", `diparmopts'""
    = local 0 `", ""
    - local diparmopts
    - local k 0
    - syntax [, diparm(string asis) * ]
    - while `""`diparm'"" != "" {
    = while `""' != "" {
        local ++k
        local single 1
        local after
        capture _on_colon_parse `diparm'
        if !c(rc) {
            local single 0
            local diparm `""s(before)''
            local after `""s(after)''
        }
        capture
        SpliceGlobals diparm , diparm(`diparm') `syntaxonly' `goptio

> ns'

    local diparm`k' `""`diparm'""
    local diparmopts `""`diparmopts' : `diparm'""
    if `single' | `""':list retok after'"" == "" {
    local 0 `", `options'""
    syntax [, diparm(string asis) * ]
    }
    else {
        local diparm `""`after'""
    }
    }
    - if `""`soptions'"" == "" {
    = if `""' == "" {
    - syntax [, diparm(string asis) ]
    - }
    - if ("`execute'" == "") {
    = if ("" == "") {
    - sreturn clear
    - sreturn local options `""`options'""
    = sreturn local options `""'
    - sreturn local diparm `""`diparmopts'""
    = sreturn local diparm `""'
    - forval i = 1/`k' {
    = forval i = 1/0 {
        sreturn local diparm`i' `""`diparm`i'""
    }

```



```

- sreturn local k `k'
= sreturn local k 0
- exit

```

> _____ end _get_diparmo

> pts

```

- local NODIPARM : length local nodiparm
- if `NODIPARM' {
= if 0 {
  local options
}
- local GTOPTS parse(":") bind quotes
- local k 0
- if !`NODIPARM' {
= if !0 {
  - if ``e(diparm)'' != "" {
= if `'' != "" {
  local i 0
  local diparm ``e(diparm)''
}
- else if ``e(diparm1)'' != "" {
= else if `'' != "" {
  local i 1
  local diparm ``e(diparm1)''
}
- while `:length local diparm' {
= while 0 {
  gettoken diparm rest : diparm, `GTOPTS'
  while `:length local rest' {
    local ++k
    local diparm`k' : copy local diparm
    gettoken COLON rest : rest, `GTOPTS'
    gettoken diparm rest : rest, `GTOPTS'
  }
  local ++k
  local diparm`k' : copy local diparm
  local ++i
  local diparm ``e(diparm`i)''
}
- }
- if `:length local options' {
= if 0 {
  local 0 `", `options''
  syntax [, diparm(string asis) *]
  if `k' & `:length local diparm' {
    local ++k

```

```

    local diparm`k' __sep__
  }
  while `:length local diparm' {
    gettoken diparm rest : diparm, `GTOPTS'
    while `:length local rest' {
      local ++k
      local diparm`k' : copy local diparm
      gettoken COLON rest : rest, `GTOPTS'
      gettoken diparm rest : rest, `GTOPTS'
    }
    local ++k
    local diparm`k' : copy local diparm
    local 0 `", `options'""
    syntax [, diparm(string asis) *]
  }
}

- if "`markdown'" != "" {
= if "" != "" {
  local lsize = c(linesize)
  set linesize 255
}
- `vv' mata: _coef_table()
= version 12, missing: mata: _coef_table()

> _____ begin _get_dio
> pts _____
    - version 11
    - syntax namelist(max=2) [, *]
    - gettoken name1 namelist : namelist
    - gettoken name2 namelist : namelist
    - GetDiopts diopts options, `options'
    = GetDiopts diopts options,

> _____ begin _get_diopts.GetDio
> pts _____
    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(stri
> ng) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA

```

```

> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *)
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "
    _____
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`baselevels' `nobaselevels'"
    = opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive ``emptycells' `noemptycells'
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `'' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    _____

> _____ end opts_exclus
> ive _____
    - opts_exclusive ``fvlabel' `nofvlabel'
    = opts_exclusive " "
    _____

> _____ begin opts_exclus
> ive _____
    - version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0

```

```

- while ``opts'' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
}

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }

> _____ end opts_exclus
> ive _____
    - opts_exclusive "`coeflegend' `selegend'"
    = opts_exclusive " "
}

> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts'' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }

```

```

        }
        - if `n' < 2 {
        = if 0 < 2 {
        - exit
    }
}
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`noci' `nopvalues'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
}
}
> ----- end opts_exclus
> ive -----
    - local K : list sizeof namelist
    - gettoken c_diopts c_opts : namelist
    - opts_exclusive "`coding' `compare'"
    = opts_exclusive " "
}
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```

```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`versus' `compare'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while `"'opts'"' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`abbrev' `noabbrev'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while `"'opts'"' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```


> ive

```
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
  local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
  local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
  local emptycells noemptycells
}
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
```

```

    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat ``cformat'''
    local cformat `cformat(`cformat)'''
    }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth(`sformat') > 8 {
        local sformat "%8.2f"
        di "{txt}note: invalid sformat(), using default"
        }
    sreturn local sformat ``sformat'''
    local sformat `sformat(`sformat)'''
    }
- if `:length local pformat' {
= if 0 {
    confirm numeric format `pformat'
    if fmtwidth(`pformat') > 5 {
        local pformat "%5.3f"
        di "{txt}note: invalid pformat(), using default"
        }
    sreturn local pformat ``pformat'''
    local pformat `pformat(`pformat)'''
    }
- if `K' == 1 & `:length local options' {
= if 2 == 1 & 0 {
    syntax namelist(max=2) [, `DIOPTS']
    }
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
    local levelopt level(`level')
    }
- Wraon , `fvwraon'
= Wraon ,

```

```

> _____ begin _get_diopts.Wra
> pon _____

```

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
    di as err "invalid fvwraon() option;"
    syntax [, W0rd WIdth]
    exit 198
    }
- opts_exclusive ``word' `width'" fvwraon

```

```

= opts_exclusive " " fvwrapon
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
> _____ end _get_diopts.Wra
> pon _____
    - if ``fvwrap' != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abb
> rev'
    = c_local diopts
    - if `K' == 2 {
    = if 2 == 2 {
    - c_local `c_opts' ``options'
    = c_local options `"'
    - }
    - sreturn local coding `coding'
    = sreturn local coding

```

```

- sreturn local versus `versus'
= sreturn local versus
- sreturn local compare `compare'
= sreturn local compare
- sreturn local level `level'
= sreturn local level 95

```

```

> _____ end _get_diopts.GetDio
> pts _____
- c_local `name1' ``diopts'''
= c_local __000005 `'''
- local snames : s(macros)
- foreach sname of local snames {
- local S_`sname' = s(`sname')
= local S_level = s(level)
- }
- local S_`sname' = s(`sname')
= local S_k = s(k)
- }
- sreturn clear
- GetDiopts DEFAULT

```

```

> _____ begin _get_diopts.GetDio
> pts _____
- local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND cformat(stri
> ng) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
- syntax namelist(max=2) [, `DIOPTS' *]
= syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFlegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *]
- opts_exclusive ``allbaselevels' `noallbaselevels'''
= opts_exclusive " "

```

```

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts

```

```

- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`allbaselevels' `nobaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n

```

```

        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'`" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {

```

```

- exit
- end opts_exclus
>
> ive
- opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive
- opts_exclusive "`lstretch' `nolstretch'"
= opts_exclusive " "
- begin opts_exclus
>
> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while "`opts'" != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
- end opts_exclus
>
> ive

```

```

- opts_exclusive "`cnsreport' `fullcnsreport'"
= opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'` != "" {
= while `""' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit


---


> 

---

 end opts_exclus
> ive 

---


- opts_exclusive "`coeflegend' `selegend'"
= opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ```opts'` != "" {
= while `""' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit


---


> 

---

 end opts_exclus
> ive 

---


- opts_exclusive "`noci' `nopvalues'"
= opts_exclusive " "


---


> 

---

 begin opts_exclus

```



```

> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus

> ive
- local K : list sizeof namelist
- gettoken c_diopts c_opts : namelist
- opts_exclusive "`coding' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus

> ive
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus

> ive
- opts_exclusive "`versus' `compare'"
= opts_exclusive " "

> ----- begin opts_exclus

> ive
- version 8.2

```

```

- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- opts_exclusive "`abbrev' `noabbrev'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch

```

```

- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
  }
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
  }
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
  }
- }
- if "`omitted'" == "" {
= if "" == "" {
- if c(showomitted) == "off" {
    local omitted noomitted
  }
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
    local lstretch nolstretch
  }
- }
- if `:length local cformat' {
= if 0 {
    confirm numeric format `cformat'
    if fmtwidth("`cformat'") > 9 {
      local cformat "%9.0g"
      di "{txt}note: invalid cformat(), using default"
    }
    sreturn local cformat "`cformat'"
    local cformat `cformat(`cformat')'
  }
- if `:length local sformat' {
= if 0 {
    confirm numeric format `sformat'
    if fmtwidth("`sformat'") > 8 {
      local sformat "%8.2f"

```

```

di "{txt}note: invalid sformat(), using default"
}
sreturn local sformat ``sformat'''
local sformat `sformat(`sformat')''
}
- if `:length local pformat' {
= if 0 {
confirm numeric format `pformat'
if fmtwidth(`pformat') > 5 {
local pformat "%5.3f"
di "{txt}note: invalid pformat(), using default"
}
sreturn local pformat ``pformat'''
local pformat `pformat(`pformat')''
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {
= if reldif(95, c(level)) > 1e-3 {
local levelopt level(`level')
}
- Wraupon , `fvwraupon'
= Wraupon ,

```

> _____ begin _get_diopts.Wra

> pon _____

```

- capture syntax [, W0rd WIdth]
- if c(rc) {
di as err "invalid fvwraupon() option;"
syntax [, W0rd WIdth]
exit 198
}
- opts_exclusive ``word' `width'" fvwraupon
= opts_exclusive " " fvwraupon

```

> _____ begin opts_exclus

> ive _____

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts''' != "" {
= while `''' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
}

> ----- end opts_exclus
> ive -----
    - local fvwrapon `word' `width'
    = local fvwrapon
    - if `:length local fvwrapon' {
    = if 0 {
        c_local fvwrapon fvwrapon(`fvwrapon')
    }
}

> ----- end _get_diopts.Wra
> pon -----
    - if "`fvwrap'" != "" {
    = if "" != "" {
        FVWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `noci' `nopvalues' `markdown' `citype' `abb
> rev'

    = c_local DEFAULT
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95
}

> ----- end _get_diopts.GetDio
> pts -----
    - if ``name2'' == "" {
    = if ``' == "" {
    - GetDiopts DUPS, `options'

```

```

= GetDiopts DUPS,


---


> 

---

 begin _get_diopts.GetDio
> pts 

---


    - local DIOPTS Level(cilevel) vsquish NOALLBASElevels ALLBAS
> Elevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMPTYcells EMPTY
> cells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND cformat(stri
> ng) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRAP(passthru) F
> VWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYPE(passthru) N
> OABBREV ABBREV
    - syntax namelist(max=2) [, `DIOPTS' *]
    = syntax namelist(max=2) [, Level(cilevel) vsquish NOALLBASE
> levels ALLBASElevels NOBASElevels BASElevels noCNSReport FULLCNSReport NOEMP
> TYcells EMPTYcells NOOMITted OMITted NOLSTRETCH LSTRETCH COEFLegend SELEGEND
> cformat(string) sformat(string) pformat(string) CODING VERSUS COMPARE FVWRA
> P(passthru) FVWRAPON(string) NOFVLABEL FVLABEL NOCI NOPValues MARKDOWN CITYP
> E(passthru) NOABBREV ABBREV *]
    - opts_exclusive "`allbaselevels' `noallbaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit


---


> 

---

 end opts_exclus
> ive 

---


    - opts_exclusive "`allbaselevels' `nobaselevels'"
    = opts_exclusive " "


---


> 

---

 begin opts_exclus
> ive 

---


    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'

```

```

= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`baselevels' `nobaselevels'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
    }
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
    - opts_exclusive "`emptycells' `noemptycells'"
= opts_exclusive " "

> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
- local n 0
- while ``opts'' != "" {
= while `'' != "" {

```

```

        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`fvlabel' `nofvlabel'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
= if 0 < 2 {
    - exit
}
> _____ end opts_exclus
> ive _____
    - opts_exclusive "`omitted' `noomitted'"
= opts_exclusive " "
}
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
= local opts
    - local n 0
    - while ```opts'"" != "" {
= while `""' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {

```



```

        = if 0 < 2 {
        - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`lstretch' `nolstretch'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus
> ive -----
    - opts_exclusive "`cnsreport' `fullcnsreport'"
    = opts_exclusive " "
> ----- begin opts_exclus
> ive -----
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
    }
> ----- end opts_exclus

```

```

> ive -----
      - opts_exclusive "`coeflegend' `selegend'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
          local ++n
          gettoken item`n' opts : opts, bind
        }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - opts_exclusive "`noci' `nopvalues'"
      = opts_exclusive " "
-----

> ----- begin opts_exclus
> ive -----
      - version 8.2
      - args opts optname errcode optslab
      - local opts `opts'
      = local opts
      - local n 0
      - while ``opts' != "" {
      = while `"' != "" {
          local ++n
          gettoken item`n' opts : opts, bind
        }
      - if `n' < 2 {
      = if 0 < 2 {
      - exit
-----

> ----- end opts_exclus
> ive -----
      - local K : list sizeof namelist
      - gettoken c_diopts c_opts : namelist
      - opts_exclusive "`coding' `compare'"

```

```

= opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - opts_exclusive ``versus' `compare'
    = opts_exclusive " "
> _____ begin opts_exclus
> ive _____
    - version 8.2
    - args opts optname errcode optslab
    - local opts `opts'
    = local opts
    - local n 0
    - while ``opts' != "" {
    = while `"' != "" {
        local ++n
        gettoken item`n' opts : opts, bind
    }
    - if `n' < 2 {
    = if 0 < 2 {
    - exit
> _____ end opts_exclus
> ive _____
    - opts_exclusive ``abbrev' `noabbrev'
    = opts_exclusive " "
> _____ begin opts_exclus
> ive _____

```

```

- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `'' != "" {
    local ++n
    gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit
}

> ----- end opts_exclus
> ive -----
- local allbaselevels `allbaselevels' `noallbaselevels'
= local allbaselevels
- local baselevels `baselevels' `nobaselevels'
= local baselevels
- local emptycells `emptycells' `noemptycells'
= local emptycells
- local omitted `omitted' `noomitted'
= local omitted
- local lstretch `lstretch' `nolstretch'
= local lstretch
- local fvlabel `fvlabel' `nofvlabel'
= local fvlabel
- local abbrev `abbrev' `noabbrev'
= local abbrev
- if "`allbaselevels'`baselevels'" == "" {
= if "" == "" {
- if c(showbaselevels) == "all" {
    local allbaselevels allbaselevels
}
- else if c(showbaselevels) == "on" {
    local baselevels baselevels
}
- }
- if "`emptycells'" == "" {
= if "" == "" {
- if c(showemptycells) == "off" {
    local emptycells noemptycells
}
- }
- if "`omitted'" == "" {

```

```

= if "" == "" {
- if c(showomitted) == "off" {
  local omitted noomitted
}
- }
- if "`lstretch'" == "" {
= if "" == "" {
- if c(lstretch) == "off" {
  local lstretch nolstretch
}
- }
- if `:length local cformat' {
= if 0 {
  confirm numeric format `cformat'
  if fmtwidth("`cformat'") > 9 {
    local cformat "%9.0g"
    di "{txt}note: invalid cformat(), using default"
  }
  sreturn local cformat "`cformat'"
  local cformat `cformat(`cformat')'
}
- if `:length local sformat' {
= if 0 {
  confirm numeric format `sformat'
  if fmtwidth("`sformat'") > 8 {
    local sformat "%8.2f"
    di "{txt}note: invalid sformat(), using default"
  }
  sreturn local sformat "`sformat'"
  local sformat `sformat(`sformat')'
}
- if `:length local pformat' {
= if 0 {
  confirm numeric format `pformat'
  if fmtwidth("`pformat'") > 5 {
    local pformat "%5.3f"
    di "{txt}note: invalid pformat(), using default"
  }
  sreturn local pformat "`pformat'"
  local pformat `pformat(`pformat')'
}
- if `K' == 1 & `:length local options' {
= if 1 == 1 & 0 {
  syntax namelist(max=2) [, `DIOPTS']
}
- if reldif(`level', c(level)) > 1e-3 {

```

```

= if reldif(95, c(level)) > 1e-3 {
  local levelopt level(`level')
}
- Wraapon , `fvwraapon'
= Wraapon ,

> _____ begin _get_diopts.Wra
> pon _____
- capture syntax [, W0rd WIdth]
- if c(rc) {
  di as err "invalid fvwraapon() option;"
  syntax [, W0rd WIdth]
  exit 198
}
- opts_exclusive "`word' `width'" fvwraapon
= opts_exclusive " " fvwraapon

> _____ begin opts_exclus
> ive _____
- version 8.2
- args opts optname errcode optslab
- local opts `opts'
= local opts
- local n 0
- while ``opts' != "" {
= while `"' != "" {
  local ++n
  gettoken item`n' opts : opts, bind
}
- if `n' < 2 {
= if 0 < 2 {
- exit

> _____ end opts_exclus
> ive _____
- local fvwraapon `word' `width'
= local fvwraapon
- if `:length local fvwraapon' {
= if 0 {
  c_local fvwraapon fvwraapon(`fvwraapon')
}

> _____ end _get_diopts.Wra
> pon _____
- if "`fvwrap'" != "" {
= if "" != "" {

```

```

        FWWrap, `fvwrap'
    }
    - c_local `c_diopts' `levelopt' `vsquish' `allbaselevels' `b
> aselevels' `cnsreport' `fullcnsreport' `emptycells' `omitted' `lstretch' `co
> eflegend' `selegend' `cformat' `sformat' `pformat' `coding' `versus' `compar
> e' `fvwrap' `fvwrapon' `fvlabel' `nocl' `nopvalues' `markdown' `citype' `abb
> rev'

    = c_local DUPS
    - if `K' == 2 {
    = if 1 == 2 {
        c_local `c_opts' ``options''
    }
    - sreturn local coding `coding'
    = sreturn local coding
    - sreturn local versus `versus'
    = sreturn local versus
    - sreturn local compare `compare'
    = sreturn local compare
    - sreturn local level `level'
    = sreturn local level 95



---


> _____ end _get_diopts.GetDio
> pts _____

    - }
    - else {
        GetDiopts DUPS options, `options'
        c_local `name2' ``options''
    }
    - local DUPS : list DUPS - DEFAULT
    - gettoken DUPS : DUPS
    - if ``DUPS'' != "" {
    = if ``'' != "" {
        if (strpos(`DUPS'', "(")) {
            gettoken DUPS : DUPS, parse("(")
            local DUPS `DUPS'()'
        }
        di as err "duplicate {bf:`DUPS'} option not allowed"
        exit 198
    }
    - sreturn clear
    - foreach sname of local snames {
        - sreturn local `sname' = ``S_`sname''
    = sreturn local level = `95'
    - }
    - sreturn local `sname' = ``S_`sname''
    = sreturn local k = `0'

```

- }

```
> _____ end _get_dio
> pts _____
```

		Coefficient	Robust std. err.	z	P> z	[95% con
	piq_timing_max f. interval]					
> _____						
	rule_g	.1932441	.1776584	1.09	0.277	-.15496
> .5414481						
	rule_itr	.0310773	.1694686	0.18	0.854	-.301075
> .3632296						
	estimated	1.097198	.2012896	5.45	0.000	.702678
> 1.491719						
	cb_authors_ext#vint_late 0 1	.841154	.2304058	3.65	0.000	.389567
> 1.292741						
	1 0	0	(omitted)			
	1 1	0	(omitted)			
	cb_authors_ext#vint_mid 0 1	0	(omitted)			
	1 0	0	(omitted)			
	1 1	0	(omitted)			
	ln_neq	-.3438422	.1033289	-3.33	0.001	-.5463631
> -.1413212						
	vint_mid#est_early 0 1	-.3427298	.2032572	-1.69	0.092	-.7411065
> .055647						
	1 0	0	(omitted)			
	1 1	0	(omitted)			
	est_late	-.3986105	.1597004	-2.50	0.013	-.7116175
> -.0856034						
	est_early	0	(omitted)			
	vint_late#est_early 0 1	0	(omitted)			
	1 0	0	(omitted)			
	1 1	0	(omitted)			

vint_late#est_late					
0 1	0	(omitted)			
1 0	0	(omitted)			
1 1	0	(omitted)			
vint_early	.9419168	.2437057	3.86	0.000	.4642623
> 1.419571					
cb_authors_ext	1.058743	.2336374	4.53	0.000	.6008225
> 1.516664					
vint_mid#est_late					
0 1	0	(omitted)			
1 0	0	(omitted)			
1 1	0	(omitted)			
vint_mid	.5506695	.1440091	3.82	0.000	.2684168
> .8329221					
vint_late	0	(omitted)			
cb_authors_ext#est_early					
0 1	-.4126095	.2212898	-1.86	0.062	-.8463295
> .0211105					
1 0	0	(omitted)			
1 1	0	(omitted)			
cb_authors_ext#est_late					
0 1	0	(omitted)			
1 0	0	(omitted)			
1 1	0	(omitted)			
_cons	.048426	.4288359	0.11	0.910	-.7920769
> .8889289					

```

> -----
- if "`markdown'" != "" {
= if "" != "" {
  set linesize `lsize'
}
- if "`eqselect'" == "" & "`eformnote'" != "noeformnote" {
= if "" == "" & "" != "noeformnote" {
- if ``"eformdi"'" != "" & ("`e(cmd)'" != "gnbreg" | "`e(prefix)'" ==
> "svy") {
= if ``"' != "" & ("poisson" != "gnbreg" | "" == "svy") {
  local k_eform `r(k_eform)'
  if ("`k_eform'" == "") {

```

```

local k_iform = 1
}
local k_eq `e(k_eq)'
if ("`k_eq'"=="") {
local k_eq = 1
}
if (`k_iform'<`k_eq' & `k_iform') {
if ("`e(cmd2)'" == "stintreg" | "`e(cmd2)'" == "streg") & ("`e
> (cmd)'" == "weibull" | "`e(cmd)'" == "gompertz") {
}
else {
_iform_multeq_note efnote : `k_iform' ``tr_item'''
di as txt ``efnote'''
}
}
}
- if (```eformdi''''!="" & "`e(noconstant)'"=="0" & ```eform_cons
> _ti''''!="" & "`e(consonly)'"!="1") {
= if (``''''!="" & "0"=="0" & ``''''!="" & "0"!="1") {
if ("`e(cmd)'"=="asclogit" | "`e(cmd)'"=="cmclogit" | "`e(cmd)
> '"=="cmmixlogit" | "`e(cmd)'"=="cmxtmixlogit" ) {
local asvar = ```e(ranvars)``e(fixvars)``e(indvars)'''' != ""
if ```e(casevars)'''' != "" & `asvar' {
local note1 "Exponentiated coefficients represent odds ratios
> for "
local note2 "alternative-specific variables (first equation) a
> nd "
local note3 "{help j_cmrisk##|_new:relative-risk ratios} "
local note4 "for case-specific variables."
di as txt "{p 0 6 2}Note: `note1'`note2'`note3'`note4'{p_end}"
}
}
if "`eform_cons_ti'" == "Inc. rate" {
local eform_cons_note "incidence rate"
}
else if "`eform_cons_ti'" == "Rel. risk" {
local eform_cons_note "relative risk"
}
else if "`eform_cons_ti'" == "Health" {
local eform_cons_note "health (probability of no disease)"
}
else {
local eform_cons_note = strlower("`eform_cons_ti'")
}
local eform_cons_note "baseline `eform_cons_note'"
if ("`e(cmd2)'"=="") {

```

```

        local cmd `e(cmd)'
    }
    else {
        local cmd `e(cmd2)'
    }
    local f2 = udsustr("`cmd'",1,2)
    local is_re = ("`f2'"=="xt" | "`f2'"=="me")
    if `is_re' {
        local extranote " (conditional on zero random effects)"
    }
    di as txt "{p 0 6 2}Note: {bf:_cons} estimates " "`eform_cons_
> note'`extranote'" _c
        if ("`e(cmd)'"=="mlogit" | "`e(cmd)'"=="asclogit" | "`e(cmd)'"
> == "cmclogit" | "`e(cmd)'"=="cmmixlogit" | "`e(cmd)'"=="cmxtmixlogit" ) {
            di as txt " for each outcome" _c
        }
        di as txt ".{p_end}"
    }
    - }
    - return add
    - if !`keepmc' {
    = if !0 {
        - return local mcmethod
        - return local mctitle
    - }
}

> _____ end _coef_ta
> ble _____
    - if "`footnote'" == "" {
    = if "nofootnote" == "" {
        ml_footnote
    }
}

> _____ end mopt.Disp
> lay _____
    - exit
}

> _____ end m
> opt _____
    - exit
}

> _____ end
> ml _____
    - _prefix_footnote
}

> _____ begin _prefix_footn

```

```

> ote
- version 9
- local is_st = "`e(cmd2)'" == "streg"
= local is_st = "" == "streg"
- if `is_st' {
= if 0 {
    local tropt TR
  }
- syntax [, deff `tropt' linesize(int 79) * ]
= syntax [, deff linesize(int 79) * ]
- if `is_st' & "`e(noeform)'" != "" & "`tr'" != "" {
= if 0 & `""' != "" & `""' != "" {
    di as smcl as txt "{p 0 6 2}" "Note: Option {res:tr} ignored; " "not
> appropriate with option {res:strata()} or {res:ancillary()}." "{p_end}"
  }
- local footnote "`e(footnote)'"
= local footnote `""'
- gettoken cmd args : footnote, parse(" ,")
- capture which `cmd'
= capture which
- if !c(rc) {
    if `:length local options' {
      `footnote' , `options'
    }
    else {
      `footnote'
    }
  }
- capture
- if "`e(prefix)'" == "svy" {
= if "" == "svy" {
    _svy_fpc_note "`deff'" `linesize'
    _svy_subpop_note, linesize(`linesize')
    _svy_singleton_note, linesize(`linesize')
  }
- if inlist("`e(cmd)'", "logit", "logistic", "probit") {
= if inlist("`poisson'", "logit", "logistic", "probit") {
    CompleteLogit
  }
- if inlist("`e(cmd)'", "mlogit", "ologit", "oprobit") {
= if inlist("`poisson'", "mlogit", "ologit", "oprobit") {
    CompleteOlogit
  }
- if "`e(missing)'" == "missing" & inlist("`e(vce)'", "brr", "bootstra
> p", "jackknife") {
    = if "" == "missing" & inlist("robust", "brr", "bootstrap", "jackknife

```

```

> ") {
    if "`e(vce)'" == "brr" {
      local vcetype BRR
    }
    else local vcetype `e(vce)'
    if e(N_misreps) == 1 {
      local reps replicate
    }
    else {
      local reps replicates
    }
    if "`e(N_misreps)'" != "" {
      local the `e(N_misreps)'
    }
    else local the "some of the"
    di as txt "{p 0 6 0 `linesize'}" "Note: One or more parameters could
> not be estimated in " "`the' `vcetype' `reps'; " "standard-error estimates
> include only complete replications.{p_end}"
    }
    - if inlist("`e(opt)'", "ml", "moptimize") | !missing(e(converged))
> {
    = if inlist("moptimize", "ml", "moptimize") | !missing(e(converged))
> {
    - ml_footnote
      _____
> _____ begin ml_footn
> ote _____
    - version 9
    - syntax
    - _check_e_rc
      _____
> _____ begin _check_e
> _rc _____
    - version 11
    - syntax [, ignorerc]
    - if e(rc) == 504 & inlist("`e(opt)'", "ml", "moptimize") {
    = if e(rc) == 504 & inlist("moptimize", "ml", "moptimize") {
      di as err "{p 0 0 2}variance matrix missing because `e(user)' fa
> iled" "to compute scores or computed scores with missing values{p_end}"
      exit 504
    }
    - if ("`ignorerc'"=="" & !missing(e(rc)) & e(rc) != 0) error e(r
> c)
    = if ("'"=="" & !missing(e(rc)) & e(rc) != 0) error e(rc)
      _____
> _____ end _check_e

```

```

> _rc -----
- if ``e(converged)`` == "0" {
= if ``1`` == "0" {
  di as txt "Warning: Convergence not achieved."
}
-----

> ----- end ml_footn
> ote -----
- }
- _check_e_rc
-----

> ----- begin _check_e
> _rc -----
- version 11
- syntax [, ignorerc]
- if e(rc) == 504 & inlist("`e(opt)`, "ml", "moptimize") {
= if e(rc) == 504 & inlist("moptimize", "ml", "moptimize") {
  di as err "{p 0 0 2}variance matrix missing because `e(user)` fail
> ed" "to compute scores or computed scores with missing values{p_end}"
  exit 504
}
- if (``ignorerc``==`` & !missing(e(rc)) & e(rc) != 0) error e(rc)
= if (``==`` & !missing(e(rc)) & e(rc) != 0) error e(rc)
-----

> ----- end _check_e
> _rc -----
-----

> ----- end _prefix_footn
> ote -----
-----

> ----- end poisson.Disp
> lay -----
- }
- error `e(rc)`
= error 0
-----

> ----- end poisson.Estim
> ate -----
- version 10: ereturn local cmdline ``poisson `0``
= version 10: ereturn local cmdline ``poisson piq_timing_max rule_g rule_itr
> estimated i.cb_authors_ext#i.vint_late i.cb_authors_ext#i.vint_mid ln_neq
> i.vint_mid#i.est_early est_late est_early i.vint_late#i.est_early i.vint_
> late#i.est_late vint_early cb_authors_ext i.vint_mid#i.est_late vint_mid vin
> t_late i.cb_authors_ext#i.est_early i.cb_authors_ext#i.est_late if piq_timin
> g_max < 99 , vce(robust) nolog"
-----

```

```
> _____ end pois
> son _____
- log close
  name: <unnamed>
  log: /Users/connorbrennan/Library/CloudStorage/OneDrive-TheUniversityof
> fChicago/mmb/output/stepwise_regressions/piq_timing_max_nonmod_all.smcl
  log type: smcl
  closed on: 12 Sep 2025, 19:25:37
_____
```