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cap log close
log using "$log_save\analysis", replace
do "Z:\Workbenches\epadmin\michael_kilumelume\2024 projects\minimum wage\programs\5_di
> dplot.do"
*GENERAL RESULTS
cap mkdir "$saveaddress_grahs\general results"

foreach dataset in unbalanced unbalanced_survivors balanced survivors {
    foreach modification in base cluster cluster_weight {

use "$saveaddress_data\\analysis_`dataset'.dta", clear

cap mkdir "$saveaddress_grahs\general results\\`dataset'"
gl graph_save "$saveaddress_grahs\general results\\`dataset'"

*local keep_log = " ljobs_seasonal ljobs_nonseasonal ljobs_low_wage ljobs_high_wage la
> vg_seasonal_wage lavg_nonseasonal_wage lavg_low_wage lavg_high_wage exit ltrain ln
> on_wage labcosts lawage llabcost_pe llabcost_capcost loprofit lmaterials l_labcost
> loprofits_pe lcap_lab lrev_pe lrevenue k l "-"

*CREATE GROWTH VARIABLES FOR THE REGRESSION
foreach var in ljobs_seasonal ljobs_nonseasonal ljobs_low_wage ljobs_high_wage lavg_se
> asonal_wage lavg_nonseasonal_wage lavg_low_wage lavg_high_wage ltrain lnon_wage lab
> costs lawage llabcost_pe llabcost_capcost loprofit lmaterials l_labcost loprofits_p
> e lcap_lab lrev_pe lrevenue k l {

    gen `var'_2012 = `var' if taxyear == 2012
    bys FID : egen `var'_2012_full = max(`var'_2012)
    gen `var'_change = `var' - `var'_2012_full
}

label var ljobs_seasonal_change "Seasonal_Employment"
label var ljobs_nonseasonal_change "NonSeasonalEmployment"
label var ljobs_low_wage_change "LowWageEmployment"
label var ljobs_high_wage_change "HighWageEmployment"
label var lavg_seasonal_wage_change "AverageWage_Seasonal"
label var lavg_nonseasonal_wage_change "AverageWage_NonSeasonal"
label var lavg_low_wage_change "AverageWage_LowWageWorker"
label var lavg_high_wage_change "AverageWage_HighWageWorker"
label var ltrain_change "EmployeeExpenditure"
label var lnon_wage_labcosts_change "NonWageLabourCost"
label var lawage_change "AverageWage"
label var llabcost_pe_change "LabourCostPerWorker"
label var llabcost_capcost_change "LabourCostPerCapital"
label var loprofit_change "OperatingProfit"
label var lmaterials_change "Materials"
label var l_labcost_change "LabourCost"
label var loprofits_pe_change "OperatingProfitPerWorker"
label var lcap_lab_change "CapitalIntensity"
label var lrev_pe_change "RevenuePerWorker"
label var lrevenue_change "Revenue"
label var k_change "Capital"
label var l_change "Employment"

local keep_log = " ljobs_seasonal_change ljobs_nonseasonal_change ljobs_low_wage_chang
> e ljobs_high_wage_change lavg_seasonal_wage_change lavg_nonseasonal_wage_change lavg
> _low_wage_change lavg_high_wage_change exit ltrain_change lnon_wage_labcosts_chang
> e lawage_change llabcost_pe_change llabcost_capcost_change loprofit_change lmaterial
> s_change l_labcost_change loprofits_pe_change lcap_lab_change lrev_pe_change lreven
> ue_change k_change l_change"

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foreach var of local keep_log {
    local lab : variable `lab' `var'
    didplot `modification' `var'
    graph export "$graph_save\\`lab'-'modification'.png", replace
}

}

}

cap log close
STOP

*RESULTS BY FIRM-SIZE [MICRO ; SMALL AND MEDIUM TO LARGE AS DEFINED BY THE CIT C_TYPE
> VARIABLE]
cap mkdir "$saveaddress_grahs\results by firm size"

forvalues size = 1/3 {
    if "`size'" == "1"{
        local size_lab = "Micro"
    }
    if "`size'" == "2" {
        local size_lab = "Small"
    }
    if "`size'" == "3" {
        local size_lab = "Medium_large"
    }

    cap mkdir"$saveaddress_grahs\results by firm size\\`size_lab'"

    foreach dataset in unbalanced unbalanced_survivors balanced survivors {
        foreach modification in base cluster cluster_weight {

            use "$saveaddress_data\analysis_`dataset'.dta", clear
            keep if size_ctype_adj == `size'

            cap mkdir "$saveaddress_grahs\results by firm size\\`size_lab'\\`dataset'"
            gl graph_save "$saveaddress_grahs\results by firm size\\`size_lab'\\`dataset'"

            *CREATE GROWTH VARIABLES FOR THE REGRESSION
            foreach var in ljobs_seasonal ljobs_nonseasonal ljobs_low_wage ljobs_high_wage lavg_se
            > asonal_wage lavg_nonseasonal_wage lavg_low_wage lavg_high_wage ltrain lnon_wage_lab
            > costs lawage llabcost_pe llabcost_capcost loprofit lmaterials l_labcost loprofits_p
            > e lcap_lab lrev_pe lrevenue k l {

                gen `var' _2012 = `var' if taxyear == 2012
                bys FID : egen `var' _2012_full = max(`var' _2012)
                gen `var' _change = `var' - `var' _2012_full
            }

            label var ljobs_seasonal_change "Seasonal_Employment"
            label var ljobs_nonseasonal_change "NonSeasonalEmployment"
            label var ljobs_low_wage_change "LowWageEmployment"
            label var ljobs_high_wage_change "HighWageEmployment"
            label var lavg_seasonal_wage_change "AverageWage_Seasonal"
            label var lavg_nonseasonal_wage_change "AverageWage_NonSeasonal"
            label var lavg_low_wage_change "AverageWage_LowWageWorker"
            label var lavg_high_wage_change "AverageWage_HighWageWorker"
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            label var lnon_wage_labcosts_change "NonWageLabourCost"
            label var lawage_change "AverageWage"
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            label var loprofit_change "OperatingProfit"
            label var lmaterials_change "Materials"
            label var l_labcost_change "LabourCost"
            label var loprofits_pe_change "OperatingProfitPerWorker"
            label var lcap_lab_change "CapitalIntensity"
            label var lrev_pe_change "RevenuePerWorker"
            label var lrevenue_change "Revenue"

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label var k_change "Capital"
label var l_change "Employment"

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local keep_log = " ljobs_seasonal_change ljobs_nonseasonal_change ljobs_low_wage_chang
> e ljobs_high_wage_change lavg_seasonal_wage_change lavg_nonseasonal_wage_change lavg
> _low_wage_change lavg_high_wage_change exit ltrain_change lnon_wage_labcosts_chang
> e lawage_change llabcost_pe_change llabcost_capcost_change loprofit_change lmaterial
> s_change l_labcost_change loprofits_pe_change lcap_lab_change lrev_pe_change lreven
> ue_change k_change l_change"

```

```

foreach var of local keep_log {
    local lab : variable `label' `var'
    cap noisily didplot `modification' `var'
    cap noisily graph export "$graph_save\\`lab'-'`modification'.png", replace
}

}

}

```