Question 3

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# Prepare the data
df <- read.table("PS2Data/CARD.raw",
                 quote="\"", comment.char="")

name_string <- "id   nearc2    nearc4    educ      age       fatheduc  motheduc
weight   momdad14  sinmom14  step14    reg661    reg662    reg663    reg664
reg665 reg666    reg667    reg668    reg669    south66   black     smsa   south
smsa66    wage      enroll    KWW       IQ        married   libcrd14  exper
lwage     expersq   "

name_string <- gsub("[\r\n]", " ", name_string)
name_string <- strsplit(name_string, " ")

name_vec <- vector()
for (i in name_string[[1]]) {
  if (i != "1" & i != ""){
    name_vec <- append(name_vec, i)
  }
}
colnames(df) <- name_vec
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# Homoskedastic
homo <- feols(lwage ~ educ + exper + expersq + black + south + smsa + smsa66 +
                reg661 + reg662 + reg663 + reg664 + reg665 + reg666 + reg667 + reg668,
                  se = "iid", df)

hetero <- feols(lwage ~ educ + exper + expersq + black + south + smsa + smsa66 +
                reg661 + reg662 + reg663 + reg664 + reg665 + reg666 + reg667 + reg668,
                  se = "hc1", df)

out <- etable(homo, hetero, tex = TRUE)
```

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knitr::asis_output(c("\\centering \\\\", out))
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Dependent Variable:	lwage	
Model:	(1)	(2)
Variables		
(Intercept)	4.739***	4.739***
	(0.0715)	(0.0746)
educ	0.0747***	0.0747***
	(0.0035)	(0.0036)
exper	0.0848***	0.0848***
	(0.0066)	(0.0068)
expersq	-0.0023***	-0.0023***
	(0.0003)	(0.0003)
black	-0.1990***	-0.1990***
	(0.0182)	(0.0182)
south	-0.1480***	-0.1480***
	(0.0260)	(0.0280)
smsa	0.1364***	0.1364***
	(0.0201)	(0.0192)
smsa66	0.0262	0.0262
	(0.0194)	(0.0186)
reg661	-0.1186***	-0.1186***
	(0.0388)	(0.0388)
reg662	-0.0222	-0.0222
	(0.0283)	(0.0299)
reg663	0.0260	0.0260
	(0.0274)	(0.0285)
reg664	-0.0635*	-0.0635*
	(0.0357)	(0.0368)
reg665	0.0095	0.0095
	(0.0361)	(0.0387)
reg666	0.0220	0.0220
	(0.0401)	(0.0411)
reg667	-0.0006	-0.0006
	(0.0394)	(0.0415)
reg668	-0.1750***	-0.1750***
	(0.0463)	(0.0470)
Fit statistics		
Observations	3,010	3,010
R^2	0.29984	0.29984
Adjusted R^2	0.29633	0.29633

*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*