Econometrics II - Assignment 1

Uncensored sloths

10 Jan 2022

Question 1

a) Run an OLS regression for log-earnings on schooling, age, and age squared. Present the results and comment on the estimates.\

```
# Load data
data <- read.csv("assignment1a.csv")
```

```
# Run regression
model1 <- lm(logwage ~ schooling + age + agesq, data = data)
stargazer(model1)
```

```
##
## % Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harva
## % Date and time: Mo, Jan 10, 2022 - 21:56:24
## \begin{table}[!htbp] \centering
##   \caption{}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{1}{c}{\textit{Dependent variable:}} \\
## \cline{2-2}
## \\[-1.8ex] & logwage \\
## \hline \\[-1.8ex]
##  schooling & 0.216$^{***}$ \\
##   & (0.032) \\
##   & \\
##  age & $-$0.342 \\
##   & (0.521) \\
##   & \\
##  agesq & $-$0.011 \\
##   & (0.008) \\
##   & \\
##  Constant & 26.409$^{***}$ \\
##   & (8.057) \\
##   & \\
## \hline \\[-1.8ex]
## Observations & 416 \\
## R$^{2}$ & 0.815 \\
## Adjusted R$^{2}$ & 0.813 \\
## Residual Std. Error & 1.499 (df = 412) \\
## F Statistic & 604.261$^{***}$ (df = 3; 412) \\
```

```
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{1}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
## \end{tabular}
## \end{table}
```