

## Handout 14: Interpret the slope and intercept of regression model with categorical predictors

```
round(summary(lm(income~race+educ+I(age-25), data=politics))$coef,2)
```

##	Estimate	Std. Error	t value	Pr(> t )
## (Intercept)	44.10	3.91	11.29	0.00
## raceBlack	-25.20	3.08	-8.18	0.00
## raceLatino	-9.40	2.97	-3.17	0.00
## raceAsian/Pacific Islander	15.49	4.88	3.17	0.00
## raceAmerican Indian	-24.70	11.12	-2.22	0.03
## raceOther/Mixed	-8.34	4.46	-1.87	0.06
## educHigh school diploma	10.63	4.00	2.66	0.01
## educSome college	23.18	3.77	6.15	0.00
## educBachelors degree	49.07	3.96	12.38	0.00
## educGraduate degree	78.30	4.11	19.03	0.00
## I(age - 25)	-0.09	0.05	-1.69	0.09

Interpret the slope on Black in a single sentence:

Interpret the slope on BA degree in a single sentence:

Interpret the intercept in a single sentence:

Name (Print and Sign): \_\_\_\_\_