

Exer 14.2

Look at this report from a model of the kids' feet data,

```
> summary(lm(width~length+sex, data=kids))
```

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.6412	1.2506	2.912	0.00614
length	0.2210	0.0497	4.447	8.02e-05
sexG	-0.2325	0.1293	-1.798	0.08055

1. Based on the output of the report, which of these statements is a correct confidence interval on the sexG coefficient?

- A $-.23 \pm 0.13$ with 95 percent confidence
- B $-.23 \pm 0.13$ with 50 percent confidence
- C $-.23 \pm 0.13$ with 68 percent confidence
- D $-.23 \pm 0.0805$ with 95 percent confidence
- E $-.23 \pm 0.23$ with 68 percent confidence
- F None of the above

Exer 14.2-1

2. Based on the output of the report, which of these statements is a correct confidence interval on the length coefficient?

- A 0.22 ± 0.050 with 95 percent confidence
- B 0.22 ± 0.050 with 68 percent confidence
- C 0.22 ± 0.100 with 50 percent confidence
- D 0.22 ± 0.070 with 50 percent confidence
- E None of the above

Exer 14.2-2