

Feedback — Week 7

[Help](#)

You submitted this quiz on **Sun 10 Nov 2013 3:59 PM PST**. You got a score of **5.00** out of **10.00**. You can [attempt again](#), if you'd like.

Welcome to week 7 assignment! You can download this week's dataset [here](#). For questions that ask for a numerical value please round to two decimal places, for example, report 1535.34895 as 1535.35. Also, if asked to report a confidence interval report the lower value, a space, and then the upper value, for example, 100 200

Question 1

What is the correlation between extraversion and happiness?

You entered:

0.19

Your Answer		Score	Explanation
0.19	✓	1.00	
Total		1.00 / 1.00	

Question Explanation

cor()

Question 2

What is the correlation between extraversion and diversity of life experience?

You entered:

0.21

Your Answer		Score	Explanation
0.21	✓	1.00	
Total		1.00 / 1.00	

Question Explanation`cor()`

Question 3

What is the correlation between diversity of life experience and happiness?

You entered:

Your Answer		Score	Explanation
0.21	✓	1.00	
Total		1.00 / 1.00	

Question Explanation`cor()`

Question 4

What percentage of variance in happiness is explained by extraversion?

You entered:

Your Answer		Score	Explanation
3.75	✗	0.00	

Total

0.00 / 1.00

Question Explanation

```
model1 = lm(med$happy ~ med$extra) summary(model1)
```

Question 5

What percentage of variance in happiness is explained by a model with both extraversion and diversity of life experience as predictors?

You entered:

6.78

Your Answer		Score	Explanation
6.78	✗	0.00	
Total		0.00 / 1.00	

Question Explanation

```
model3 = lm(med$happy ~ med$extra + med$diverse) summary(model3)
```

Question 6

What is the 95% confidence interval for the regression coefficient for extraversion when it is the only predictor of happiness?

You entered:

.07 .48

Your Answer		Score	Explanation
.07 .48	✓	1.00	

Total

1.00 / 1.00

Question Explanation`confint(model1)`

Question 7

What is the 95% confidence interval for the regression coefficient for extraversion when it and diversity of life experience are both predictors of happiness?

You entered:`.02 .43`**Your Answer****Score****Explanation**`.02 .43`

1.00

Total

1.00 / 1.00

Question Explanation`confint(model3)`

Question 8

What is the unstandardized regression estimate of the indirect effect?

You entered:**Your Answer****Score****Explanation**

0.00

Total

0.00 / 1.00

Question Explanation

```
indirect = sobel(med$extra, med$diverse, med$happy) indirect
```

Question 9

What is the z-value of the Sobel test?

You entered:

Your Answer	Score	Explanation
	✖ 0.00	
Total	0.00 / 1.00	

Question Explanation

```
indirect = sobel(med$extra, med$diverse, med$happy) indirect
```

Question 10

Do these analyses suggest full mediation, partial mediation, or no mediation?

Your Answer	Score	Explanation
<input type="radio"/> Full mediation		
<input type="radio"/> Partial mediation		
<input type="radio"/> No mediation		
Total	0.00 / 1.00	

Question Explanation

```
indirect = sobel(med$extra, med$diverse, med$happy) indirect (cf Lab 7 for interpretation of Sobel result)
```

