

Open Case Study Survey

We are collecting data about user experience with our case studies to learn more about how to improve the data science education experience. Part of this includes getting a better understanding of who is using our case studies and how so that we can better design our case studies. This data may ultimately be used for a research publication. We thank you very much for any feedback you can provide!

DATA CONFIDENTIALITY: We will not collect any personally identifiable information about you through this survey for the purposes of this research. We will only ask very general questions about you (such as if you are a student) and your use of the case studies. The potential risks to you are small. The potential benefits to the community of data scientists, developers, and professors are very high – we will be able to learn how we can improve data science/statistics/public health education material.

DATA SHARING: We plan to release the data collected from this survey openly online using GitHub (<https://github.com/>) - however no personally identifiable information (such as email addresses) will be shared as it will not be collected. See below for an image of what the data might look like. We will only have a timestamp and answers to your questions. Only a reduced version of the timestamp will be included in the shared data to enhance the anonymity of the participants.

PARTICIPATION: You must be 18 or over to participate. You will be asked a series of questions about your experience with the case studies and some general information about you. You can stop participating in the survey at any point. You do not need to answer all of the questions. Only answers that are submitted by clicking the submit button at the end of the survey will be recorded. Depending on how you answer the survey, this will take 1-10 minutes to complete. You will have an opportunity at the end of the survey to edit your responses, including removing all of them. Any answers that are ultimately submitted (and not removed by the participant) will continue to be used for research.

General information about traffic to the case study websites and our main website (www.opencasestudies.org) is being tracked by Google Analytics (<https://analytics.google.com>) - which provides us with summary information such as the number of visitors from different countries. A running count of the number of people who have visited our main website (www.opencasestudies.org) is also being tracked with ClusterMaps (<https://clustrmaps.com/>). We will not use this to try to identify who has submitted a survey response.

RISK: Risk of participation is minimal. If our google account was hacked, it is possible that someone could attempt to leak this information. However, the questions we ask pose minimal security risk to participants as they are largely about if participants found the case studies useful. Recall that you do not need to answer most questions. Only a few questions are required to determine what additional questions to ask.

CONSENT: The first questions will ask about your age and if you consent (or agree) that the data from your responses be used for research purposes.

If you have different thoughts for different case studies, we kindly ask that you submit to our survey more than once.

QUESTIONS OR PROBLEMS: If you have questions or problems, email Carrie Wright at cwri60@jh.edu.

You may also contact the Johns Hopkins Bloomberg School of Public Health IRB Office if you have questions about your rights as a participant/parent of a study participant. Contact the IRB if you feel you have not been treated fairly or if you have other concerns.

This study has been deemed exempt by the Johns Hopkins Bloomberg School of Public Health IRB. No personal or private information will be collected. Thus, the proposed activity does not qualify as human subjects research as defined by DHHS regulations 45 CFR 46.102, and does not require IRB oversight.

IRB No.: 14965
Date Approved: 2020-02-26

The IRB contact information is:
Address: Johns Hopkins Bloomberg School of Public Health
615 N. Wolfe Street, Suite E1100, Baltimore, MD 21205
Telephone: 410-955-3193; Toll Free: 1-888-262-3242
E-mail: jhsph.irboffice@jhu.edu

* Required

Here is an example of what the data from this survey will eventually look like to us (each row contains the responses from a participant):

A	B	C
Timestamp	How would you describe yourself (choose best option)?	Do you intend to use a case study (or part of a case study) in one of your classes?
2/17/2021 16:11:28	Educator of Data Science/Stats/Public Health/other - looking for data and education material to use in courses	Maybe
2/17/2021 16:12:30	Student - using case studies for a course or to help with a course	

1. Are you 18 or over? You cannot participate in this survey if you are under 18. *

Mark only one oval.

- ☐ Yes Skip to question 2
- ☐ No

Consent

2. Do you consent to your responses being used for research purposes? Please see the description at the beginning of the survey for more information (use the back button within this survey if you wish to see it again). *

Mark only one oval.

- ☐ Yes Skip to question 3
- ☐ No

3. How would you describe yourself (choose best option)? Note that you can say "wish not to say" for the "other" category. *

Mark only one oval.

- ☐ Educator of Data Science/Stats/Public Health/other - looking for data and education material to use in courses Skip to question 4
- ☐ Student - using case studies for a course or to help with a course Skip to question 52
- ☐ Self-learner - interested in learning more about the skills, topics, and or concepts covered in the case studies Skip to question 71
- ☐ Other: _____

For
Educators

We would like to know your thoughts about how we can create content to better serve your needs. Please get in touch with us (email: opencasestudies@gmail.com) if you would like to work with us to conduct research about the use of our case studies in the classroom, if you are interested in creating a case study, if you have ideas, or you would like to know more about our project. Also check out our website at www.opencasestudies.org if you have not already.

4. What specifically brought you to the case studies? (select all that apply)

Check all that apply.

- ☐ General interest in teaching material about statistics
- ☐ Interested in teaching about a specific statistical topic (paired t-test, regression, etc.)
- ☐ General interest in teaching materials about data science/data analysis
- ☐ Interested in teaching about a specific data science skill (such as creating a dashboard)
- ☐ General interest in teaching materials about R programming
- ☐ General interest in teaching materials about the tidyverse
- ☐ General interest in teaching materials about public health
- ☐ Interested in teaching about a specific public health topic (such as mental health, obesity etc.)

Other: ☐ _____

5. What type of students do you teach? (select all that apply)

Check all that apply.

- ☐ Graduate students
- ☐ Undergraduate students
- ☐ High school students
- ☐ Middle school students

Other: ☐ _____

6. How likely are you to recommend the case studies to others?

Mark only one oval.

	1	2	3	4	5	
Not likely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very likely

7. What case study(ies) have you looked at? (select all that apply)

Check all that apply.

- ☐ Case study about obesity: <https://www.opencasestudies.org/ocs-bp-rural-and-urban-obesity/>
- ☐ Case study about diet: <https://www.opencasestudies.org/ocs-bp-diet/>
- ☐ Case study about school shootings: <https://www.opencasestudies.org/ocs-bp-school-shootings-dashboard/>
- ☐ Case study about multicollinearity and RTC laws (wrangling): <https://www.opencasestudies.org/ocs-bp-RTC-wrangling/>
- ☐ Case study about multicollinearity and RTC laws (analysis): <https://www.opencasestudies.org/ocs-bp-RTC-analysis/>
- ☐ Case study about predicting air pollution: <https://www.opencasestudies.org/ocs-bp-air-pollution/>
- ☐ Case study about CO2 emissions: <https://www.opencasestudies.org/ocs-bp-co2-emissions/>
- ☐ Case study about youth disconnection: <https://www.opencasestudies.org/ocs-bp-youth-disconnection/>
- ☐ Case study about youth mental health: <https://www.opencasestudies.org/ocs-bp-youth-mental-health/>
- ☐ Case study about opioid shipments in the US: <https://www.opencasestudies.org/ocs-bp-opioid-rural-urban/>
- ☐ Case study about vaping behaviours among US youths: <https://www.opencasestudies.org/ocs-bp-vaping-case-study/>
- ☐ None
- Other: ☐ _____

8. Have you already used our case studies or the data from our case studies to teach?

Mark only one oval.

- ☐ Yes *Skip to question 9*
- ☐ No *Skip to question 37*
- ☐ Other: _____

Skip to question 37

Already used a case study or data

9. Which case studies (or data from a case study) did you use? (select all that apply)

Check all that apply.

- ☐ Not sure yet
- ☐ Case study about obesity: <https://www.opencasestudies.org/ocs-bp-rural-and-urban-obesity/>
- ☐ Case study about diet: <https://www.opencasestudies.org/ocs-bp-diet/>
- ☐ Case study about school shootings: <https://www.opencasestudies.org/ocs-bp-school-shootings-dashboard/>
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- ☐ Case study about predicting air pollution: <https://www.opencasestudies.org/ocs-bp-air-pollution/>
- ☐ Case study about CO2 emissions: <https://www.opencasestudies.org/ocs-bp-co2-emissions/>
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- ☐ Case study about youth mental health: <https://www.opencasestudies.org/ocs-bp-youth-mental-health/>
- ☐ Case study about opioid shipments in the US: <https://www.opencasestudies.org/ocs-bp-opioid-rural-urban/>
- ☐ Case study about vaping behaviours among US youths: <https://www.opencasestudies.org/ocs-bp-vaping-case-study/>

Other: ☐ _____

10. What type of course(s) did you use our case studies or data for? (check all that apply)

Check all that apply.

- ☐ Public Health
- ☐ Statistics
- ☐ Math
- ☐ Data Science

Other: ☐ _____

11. Was it clear how to locate, access, and download files from a case study repository?

Mark only one oval.

- ☐ Yes, very clear
- ☐ I found the files with a bit of difficulty
- ☐ No, very unclear
- ☐ Other: _____

12. Was it clear how to use just part of the case study in a modular way?

Mark only one oval.

- ☐ Yes, very clear
- ☐ I found the info in the readme file with a bit of difficulty
- ☐ No, very unclear
- ☐ Other: _____

13. Please tell us how you taught with our data or case studies - Example: for a lecture about data wrangling or to have students write a report about a data analysis.

14. What did you use to teach?

Mark only one oval.

- ☐ Just the data *Skip to question 15*
- ☐ Parts of a case study *Skip to question 22*
- ☐ Full case study *Skip to question 22*
- ☐ Combination (sometimes just the data or part of the case study... etc.)
Skip to question 22

Just used data

15. What type of data did you use? (select all that apply)

Check all that apply.

- ☐ Raw data files or original source (ex. a website)
- ☐ Wrangled data files (as rda files)
- ☐ Wrangled data files (as csv files)

Other: ☐ _____

16. Did using our data save you time?

Mark only one oval.

- ☐ No
- ☐ Somewhat
- ☐ Yes, a lot

17. Did using our data save you effort?

Mark only one oval.

- ☐ No
- ☐ Somewhat
- ☐ Yes, a lot

18. Do you plan to use our data again in the future?

Mark only one oval.

	1	2	3	4	5	
No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	For sure!

19. Do you plan to use our case studies (not just data) in the future?

Mark only one oval.

	1	2	3	4	5	
No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	For sure!

20. If not, what might make you more inclined?

21. Please provide any additional feedback you might have.

Used part or all of a case study

22. Which sections were most helpful for you? (select all that apply)

Check all that apply.

- ☐ Motivation/Context/What are the data?
- ☐ Data Import
- ☐ Data Wrangling
- ☐ Data Visualization
- ☐ Data Analysis

Other: ☐ _____

23. How different was incorporating the case study or parts of the case study compared to how you typically teach similar material?

Mark only one oval.

- ☐ Very different
☐ Somewhat similar
☐ About the same

24. If it was different from how you typically teach, how?

25. How do you typically teach similar material?

26. Did incorporating our case study materials into your class, save you time?

Mark only one oval.

	1	2	3	4	5	
No, not at all.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes, very much!

27. Did incorporating our case study materials into your class, save you effort?

Mark only one oval.

	1	2	3	4	5	
No, not at all.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes, very much!

28. Compared to how you taught similar material previously, did you enjoy using the case studies to teach with?

Mark only one oval.

	1	2	3	4	5	
Not at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Absolutely, will do again!

29. Compared to how you taught similar material previously, how well did your students seem to enjoy the case studies?

Mark only one oval.

- ☐ My students did not enjoy learning with case study as well
- ☐ They seemed to enjoy it about the same
- ☐ My students seemed to enjoy it better
- ☐ I have not taught similar material previously
- ☐ Other: _____

30. Compared to how you taught similar material previously, how well did students seem to learn the content that you taught using a case study?

Mark only one oval.

- ☐ Less well
- ☐ About the same
- ☐ Better
- ☐ I have not taught similar material before
- ☐ Other: _____

31. Did you learn anything new using the case studies?

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Other: _____

32. Did using our case studies allow you to incorporate something new into your teaching?

Mark only one oval.

- ☐ No, not at all
- ☐ Yes, somewhat
- ☐ Yes, a lot

33. What was the biggest benefit of using the case study?

34. What was the most difficult aspect of using the case study?

35. Is there anything you would do differently next time?

36. Please provide any additional feedback you might have.

Interested in using our materials?

37. Are you interested in using our case study materials or the data from one of our case studies to teach in the future?

Mark only one oval.

- ☐ Yes *Skip to question 39*
- ☐ Maybe *Skip to question 39*
- ☐ No - I am not interested *Skip to question 38*
- ☐ Other: _____

Skip to question 39

Do not intend to use a case study

38. Please provide any additional feedback you might have.

Use of case studies or data

39. Are you interested in using just the data, part of case study, or a full case study?

Mark only one oval.

- ☐ Just the data Skip to question 40
- ☐ Only part of a case study (or case studies) Skip to question 46
- ☐ Full case study (or case studies) Skip to question 46
- ☐ Depends (sometimes just data, sometimes part or all of a case study)
Skip to question 46
- ☐ Other: _____

Skip to question 46

Interested in data only

40. Which case study or case studies data are you interested in using? (select all that apply)

Check all that apply.

- ☐ Not sure yet
- ☐ Case study about obesity: <https://www.opencasestudies.org/ocs-bp-rural-and-urban-obesity/>
- ☐ Case study about diet: <https://www.opencasestudies.org/ocs-bp-diet/>
- ☐ Case study about school shootings: <https://www.opencasestudies.org/ocs-bp-school-shootings-dashboard/>
- ☐ Case study about multicollinearity and RTC laws (wrangling):
<https://www.opencasestudies.org/ocs-bp-RTC-wrangling/>
- ☐ Case study about multicollinearity and RTC laws (analysis):
<https://www.opencasestudies.org/ocs-bp-RTC-analysis/>
- ☐ Case study about predicting air pollution: <https://www.opencasestudies.org/ocs-bp-air-pollution/>
- ☐ Case study about CO2 emissions: <https://www.opencasestudies.org/ocs-bp-co2-emissions/>
- ☐ Case study about youth disconnection: <https://www.opencasestudies.org/ocs-bp-youth-disconnection/>
- ☐ Case study about youth mental health: <https://www.opencasestudies.org/ocs-bp-youth-mental-health/>
- ☐ Case study about opioid shipments in the US: <https://www.opencasestudies.org/ocs-bp-opioid-rural-urban/>
- ☐ Case study about vaping behaviours among US youths:
<https://www.opencasestudies.org/ocs-bp-vaping-case-study/>

Other: ☐ _____

41. What type of course(s) would you (or did you) use our case study data for? (check all that apply)

Check all that apply.

- ☐ Public Health
- ☐ Statistics
- ☐ Math
- ☐ Data Science

Other: ☐ _____

42. What type of data do you intend to use?

Mark only one oval.

- ☐ Raw data files / the original source (ex. a website)
- ☐ Wrangled data (as rda files)
- ☐ Wrangled data (as csv files)
- ☐ Other: _____

43. Is it clear how to locate, access, and download files from a case study repository?

Mark only one oval.

- ☐ Yes, very clear
- ☐ Not super clear
- ☐ No, I don't know where to obtain the data
- ☐ Other: _____

44. Please tell us how you might teach with our data (or did already) - Example: for a lecture about data wrangling.

45. Please provide any additional feedback you might have.

Interested in data or more

46. Please tell us which materials you are most interested in using (or you already used to teach). (select all that apply)

Check all that apply.

- ☐ Motivation/Context
- ☐ Data Import
- ☐ Data Wrangling
- ☐ Data Exploration
- ☐ Data Visualization
- ☐ Data Analysis
- ☐ The data itself
- ☐ All sections

Other: ☐ _____

47. Which case study or case studies might you be interested in using. (select all that apply)

Check all that apply.

- ☐ Not sure yet
- ☐ Case study about obesity: <https://www.opencasestudies.org/ocs-bp-rural-and-urban-obesity/>
- ☐ Case study about diet: <https://www.opencasestudies.org/ocs-bp-diet/>
- ☐ Case study about school shootings: <https://www.opencasestudies.org/ocs-bp-school-shootings-dashboard/>
- ☐ Case study about multicollinearity and RTC laws (wrangling): <https://www.opencasestudies.org/ocs-bp-RTC-wrangling/>
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- ☐ Case study about youth mental health: <https://www.opencasestudies.org/ocs-bp-youth-mental-health/>
- ☐ Case study about opioid shipments in the US: <https://www.opencasestudies.org/ocs-bp-opioid-rural-urban/>
- ☐ Case study about vaping behaviours among US youths: <https://www.opencasestudies.org/ocs-bp-vaping-case-study/>
- ☐ None
- Other: ☐ _____

48. Is it clear how to locate, access, and download files from a case study repository?

Mark only one oval.

- ☐ Yes, very clear
- ☐ Not super clear
- ☐ No, I don't know where to obtain the data
- ☐ Other: _____

49. What type of course(s) would you (or have you) used our case studies for? (check all that apply)

Check all that apply.

- ☐ Public Health
- ☐ Statistics
- ☐ Math
- ☐ Data Science

Other: ☐ _____

50. Please tell us how you might teach (or already taught) with one or more of our case studies. (Example: for materials for students to practice writing about the results of a data analysis)

51. Please provide any additional feedback you might have.

For Students

52. How did you find our case studies?

Mark only one oval.

- ☐ Using case studies as part of a course (asked to do so by an instructor)
- ☐ Using case studies to supplement other instruction (not asked to do so by an instructor)
- ☐ Other: _____

53. What type of student would you describe yourself as?

Mark only one oval.

- ☐ High school
- ☐ College
- ☐ Graduate
- ☐ Do not wish to say
- ☐ Other: _____

54. What specifically brought you to the case studies? (check all that apply)

Check all that apply.

- ☐ interested in learning more about statistics in general
- ☐ interested in learning more about data science/data analysis in general
- ☐ interested in learning more about public health in general
- ☐ interested in learning more about R programming in general
- ☐ interested in learning more about the tidyverse in general
- ☐ interested in a specific case study public health topic (such as environment, mental health, etc.)
- ☐ interested in a specific data science skill (such as how to create a dashboard, machine learning, etc.)
- ☐ interested in a specific statistical topic (such as how to perform a paired t-test)

Other: ☐ _____

55. How likely are you to recommend the case studies to others?

Mark only one oval.

	1	2	3	4	5	
Not likely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very likely

56. If you have not seen a case study yet, select "Not yet" , otherwise select "Yes" to answer questions about a case study you have seen.

Mark only one oval.

- ☐ Not yet! *Skip to question 57*
- ☐ Yes *Skip to question 58*

Student (no case studies)

57. Please provide any feedback you might have.

Student continued...

58. What case study(ies) have you looked at? (select all that apply)

Check all that apply.

- ☐ Case study about obesity: <https://www.opencasestudies.org/ocs-bp-rural-and-urban-obesity/>
- ☐ Case study about diet: <https://www.opencasestudies.org/ocs-bp-diet/>
- ☐ Case study about school shootings: <https://www.opencasestudies.org/ocs-bp-school-shootings-dashboard/>
- ☐ Case study about multicollinearity and RTC laws (wrangling): <https://www.opencasestudies.org/ocs-bp-RTC-wrangling/>
- ☐ Case study about multicollinearity and RTC laws (analysis): <https://www.opencasestudies.org/ocs-bp-RTC-analysis/>
- ☐ Case study about predicting air pollution: <https://www.opencasestudies.org/ocs-bp-air-pollution/>
- ☐ Case study about CO2 emissions: <https://www.opencasestudies.org/ocs-bp-co2-emissions/>
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- ☐ Case study about youth mental health: <https://www.opencasestudies.org/ocs-bp-youth-mental-health/>
- ☐ Case study about opioid shipments in the US: <https://www.opencasestudies.org/ocs-bp-opioid-rural-urban/>
- ☐ Case study about vaping behaviours among US youths: <https://www.opencasestudies.org/ocs-bp-vaping-case-study/>

Other: ☐ _____

59. Were you able to locate, access, and download the data for the case study with relative ease?

Mark only one oval.

- ☐ Yes, I found the files I needed with no issue
- ☐ I found the files but had some difficulty
- ☐ No, I could not find the files I needed
- ☐ Other: _____

60. How familiar were you with the statistical methods presented in the case study before you read it?

Mark only one oval.

- ☐ Never heard about the statistical topics covered
- ☐ Had heard briefly about the statistical topics covered
- ☐ Had an understanding about the topics but not as much as the case study covered
- ☐ Regularly perform the statistical methods covered/already knew all or most of the material
- ☐ Other: _____

61. How familiar were you with the public health topics presented in the case study before you read it?

Mark only one oval.

- ☐ Never heard about the public health topics
- ☐ Had heard briefly about the topics
- ☐ Had an understanding about the topics but not as much as the case study covered
- ☐ Already knew all or most of the material

62. How familiar were you with the data science topics presented in the case study before you read it?

Mark only one oval.

- ☐ Never heard about the data science topics
- ☐ Had heard briefly about the topics
- ☐ Had an understanding about the topics but not as much as the case study covered
- ☐ Already knew all or most of the material

63. I learned something new about: (select all that apply)

Check all that apply.

- ☐ A statistical method or concept
- ☐ How to implement a statistical method using R
- ☐ Data import methods
- ☐ Data visualization methods
- ☐ Data wrangling methods
- ☐ Data communication methods
- ☐ The public health topics presented
- ☐ All of the above
- ☐ None

Other: ☐ _____

64. How useful did you find the case study/studies?

Mark only one oval.

	1	2	3	4	5	
Not useful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very useful

65. How enjoyable did you find the case study/studies as a way to learn about these topics?

Mark only one oval.

	1	2	3	4	5	
Not interesting/fun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very enjoyable!

66. How likely are you to refer back to the case study/studies in the future?

Mark only one oval.

	1	2	3	4	5	
Not likely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very likely

67. How familiar were you with R programming before you read the case study?

Mark only one oval.

	1	2	3	4	5	
I am totally new to R programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very familiar - I work or have worked in R regularly

68. How familiar were you with the tidyverse programming material presented in the case study before you read it?

Mark only one oval.

	1	2	3	4	5	
I am totally new to the tidyverse (even if I'm a base R expert)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very familiar - all or most of the material was not new to me

69. Do you have familiarity with another programming language besides R?

Mark only one oval.

	1	2	3	4	5	
No none at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes I am proficient in one or more languages

70. Please provide any additional feedback you might have.

For Self-Learners

71. What specifically brought you to the case studies? (select all that apply)

Check all that apply.

- ☐ interested in learning more about statistics in general
- ☐ interested in learning more about data science/data analysis in general
- ☐ interested in learning more about public health in general
- ☐ interested in learning more about R programming in general
- ☐ interested in learning more about the tidyverse in general
- ☐ interested in a specific public health topic (such as environment, mental health, etc.)
- ☐ interested in a specific data science skill (such as how to create a dashboard, machine learning, etc.)
- ☐ interested in a specific statistical topic (such as how to perform a paired t-test)

Other: ☐ _____

72. How likely are you to recommend the case studies to others?

Mark only one oval.

	1	2	3	4	5	
Not likely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very likely

73. What field do you work in? (we would like to know more about who is interested in our case studies - you are not required to answer)

74. If you have not seen a case study yet, select "Not yet" , otherwise select "Yes" to answer questions about a case study you have seen.

Mark only one oval.

- ☐ Not yet! *Skip to question 75*
- ☐ Yes *Skip to question 76*

Self-learner (no case studies yet)

75. Please provide any feedback you might have.

Self-learner continued...

76. What case study(ies) have you looked at? (select all that apply)

Check all that apply.

- ☐ Case study about obesity: <https://www.opencasestudies.org/ocs-bp-rural-and-urban-obesity/>
- ☐ Case study about diet: <https://www.opencasestudies.org/ocs-bp-diet/>
- ☐ Case study about school shootings: <https://www.opencasestudies.org/ocs-bp-school-shootings-dashboard/>
- ☐ Case study about multicollinearity and RTC laws (wrangling): <https://www.opencasestudies.org/ocs-bp-RTC-wrangling/>
- ☐ Case study about multicollinearity and RTC laws (analysis): <https://www.opencasestudies.org/ocs-bp-RTC-analysis/>
- ☐ Case study about predicting air pollution: <https://www.opencasestudies.org/ocs-bp-air-pollution/>
- ☐ Case study about CO2 emissions: <https://www.opencasestudies.org/ocs-bp-co2-emissions/>
- ☐ Case study about youth disconnection: <https://www.opencasestudies.org/ocs-bp-youth-disconnection/>
- ☐ Case study about youth mental health: <https://www.opencasestudies.org/ocs-bp-youth-mental-health/>
- ☐ Case study about opioid shipments in the US: <https://www.opencasestudies.org/ocs-bp-opioid-rural-urban/>
- ☐ Case study about vaping behaviours among US youths: <https://www.opencasestudies.org/ocs-bp-vaping-case-study/>

Other: ☐ _____

77. Were you able to locate, access, and download files from the case study repository with relative ease?

Mark only one oval.

- ☐ Yes, I found the files I needed with no issue
- ☐ I found the files but had some difficulty
- ☐ No, I could not find the files I needed
- ☐ Other: _____

78. How familiar were you with the statistical methods presented in the case study before you read it?

Mark only one oval.

- ☐ Never heard about the statistical topics covered
- ☐ Had heard briefly about the statistical topics covered
- ☐ Had a basic understanding about the topics but not as much as the case study covered
- ☐ Regularly perform the statistical methods covered/ already had a great deal of knowledge about the topics covered

79. How familiar were you with the public health topics presented in the case study before you read it?

Mark only one oval.

- ☐ Never heard about the public health topics covered
- ☐ Had heard briefly about the topics covered
- ☐ Had a basic understanding about the topics but not as much as the case study covered
- ☐ Had in depth knowledge about the topic - already knew all or most of the material covered

80. How familiar were you with the data science topics presented in the case study before you read it?

Mark only one oval.

- ☐ Never heard about the data science topics covered
- ☐ Had heard briefly about the topics covered
- ☐ Had a basic understanding about the topics but not as much as the case study covered
- ☐ Had in depth knowledge about the topic - already knew all or most of the material covered

81. I learned something new about: (select all that apply)

Check all that apply.

- ☐ A statistical method or concept
- ☐ How to implement a statistical method using R
- ☐ Data import methods
- ☐ Data visualization methods
- ☐ Data wrangling methods
- ☐ Data communication methods
- ☐ The public health topics presented
- ☐ All of the above
- ☐ None

Other: ☐ _____

82. How useful did you find the case study/studies?

Mark only one oval.

	1	2	3	4	5	
Not useful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very useful

83. How enjoyable did you find the case study/studies as a way to learn about these topics?

Mark only one oval.

	1	2	3	4	5	
Not interesting/fun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very enjoyable!

84. How likely are you to refer back to the case study/studies in the future?

Mark only one oval.

	1	2	3	4	5	
Not likely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very likely

85. How familiar were you with R programming before you read the case study?

Mark only one oval.

	1	2	3	4	5	
I am totally new to R programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very familiar - I work or have worked in R regularly

86. How familiar were you with the tidyverse programming material presented in the case study before you read it?

Mark only one oval.

	1	2	3	4	5	
I am totally new to the tidyverse (even if I'm a base R expert)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very familiar - all or most of the material was not new to me

87. Do you have familiarity with another programming language besides R?

Mark only one oval.

	1	2	3	4	5	
No none at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes I am proficient in one or more languages

88. Please provide any feedback you might have.
