

# EVALUATION QUESTIONNAIRE FOR LEARNERS

## COMPUTER-ASSISTED INSTRUCTION: STATISTICS

Circle the number(s) of your choice.

### Section 1: Personal information

For office use

1. Respondent number	V1 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> 1-4																										
2. Card number	V2 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 20px; height: 20px; text-align: center;">0</td><td style="width: 20px; height: 20px; text-align: center;">1</td></tr></table> 5-6	0	1																								
0	1																										
3. Repetition number	V3 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 20px; height: 20px;"></td></tr></table> 7																										
4. Your gender:	V4 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 20px; height: 20px;"></td></tr></table> 8																										
<table border="1" style="margin-left: 20px; border-collapse: collapse;"> <tbody> <tr> <td style="padding: 2px 5px;">Male</td> <td style="padding: 2px 5px; text-align: center;">1</td> </tr> <tr> <td style="padding: 2px 5px;">Female</td> <td style="padding: 2px 5px; text-align: center;">2</td> </tr> </tbody> </table>	Male	1	Female	2																							
Male	1																										
Female	2																										
5. Your age: Please give your age in completed years: _____ years	V5 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> 9-10																										
6. Which <b>one</b> of the following languages do you speak at home <b>most often</b> ? (Circle <b>only one</b> number.)	V6 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> 11-12																										
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For office use

7. How frequently do you use a computer apart from computer games?  
(Circle the one number which is most appropriate for you.)

Never	Sometimes	Often	Daily
1	2	3	4

V7  13

8. How long did it take you to complete each of the two lessons?  
(Circle a number for each lesson.)

	< 2 hours	2 to 3 hours	3 to 4 hours	> 4 hours
1. Probability I	1	2	3	4
2. Random variables	1	2	3	4

V8  14V9  15

9. Consider the length of time required to complete each lesson

	Too short	Satisfactory	Too long
1. Probability I	1	2	3
2. Random variables	1	2	3

V10  16V11  17

## Section 2: Evaluation of lessons

For office use

Please indicate your level of agreement with each of the following statements by circling a number:

	Strongly agree	Agree	Dis-agree	Strongly disagree		
10. The content of the computer lessons follows a logical sequence	1	2	3	4	V12	<input type="checkbox"/> 18
11. The lessons assumed more mathematical background knowledge than I have	1	2	3	4	V13	<input type="checkbox"/> 19
12. The lessons assumed a different cultural background to mine	1	2	3	4	V14	<input type="checkbox"/> 20
13. The lessons are acceptable to my cultural group	1	2	3	4	V15	<input type="checkbox"/> 21
14. The lessons are suitable for adult learners	1	2	3	4	V16	<input type="checkbox"/> 22
15. The way in which concepts were presented allowed me to develop a deeper understanding	1	2	3	4	V17	<input type="checkbox"/> 23
16. The way in which the learning material was presented required me to memorise meaningless definitions and theorems	1	2	3	4	V18	<input type="checkbox"/> 24

17. The screen displays are:

	Always	Sometimes	Never		
Uncluttered	1	2	3	V19	<input type="checkbox"/> 25
Neat	1	2	3	V20	<input type="checkbox"/> 26
Too full	1	2	3	V21	<input type="checkbox"/> 27
Consistent	1	2	3	V22	<input type="checkbox"/> 28
Artistically appealing	1	2	3	V23	<input type="checkbox"/> 29
Helpful in attracting and maintaining attention	1	2	3	V24	<input type="checkbox"/> 30

For office use

18. Consider the overall text layout.

	Yes	No
It is easy to read	1	2
There is too much text on one screen	1	2
It is attractive	1	2
It is helpful in focusing attention	1	2
It is the same as reading text in a text book	1	2

V25  31V26  32V27  33V28  34V29  35

19. Consider the overall use of colour.

	Yes	No
(a) It is consistent	1	2
(b) Some colour combinations are difficult to distinguish	1	2
(c) It is effective in focusing attention	1	2
(d) Some colour conventions make me uncomfortable, e.g. red for incorrect answers	1	2
(e) Too many colours are used	1	2

V30  36V31  37V32  38V33  39V34  40

If YES for (b), which colour combinations were difficult to distinguish?

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V35   41-42V36   43-44V37   45-46

If YES for (d), which colour conventions were uncomfortable for you?

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V38   47-48V39   49-50V40   51-52

For office use

20. The graphics (pictures, diagrams, illustrations, arrows, boxes) helped me to understand the content.

Yes	No	Sometimes
1	2	3

V41  53

21. The "egg-man" character is:

	Yes	No
Amusing	1	2
Childish	1	2
Offensive to my culture	1	2
Useful in breaking up the text	1	2
Useful in providing light relief	1	2

V42  54V43  55V44  56V45  57V46  58

22. The white rabbit character is:

	Yes	No
Amusing	1	2
Childish	1	2
Offensive to my culture	1	2
Useful in breaking up the text	1	2
Useful in providing light relief	1	2

V47  59V48  60V49  61V50  62V51  63

For office use

Consider the movement within the lessons (navigation).

		Always	Sometimes	Never
23.	The directions for lesson control are clearly stated	1	2	3
24.	The icons are easy to use	1	2	3
25.	I experienced problems in selecting a topic from the menus	1	2	3
26.	It is easy to see which menu levels have been completed	1	2	3
27.	The Main Menus and sub-menus disoriented me	1	2	3

V52  64

V53  65

V54  66

V55  67

V56  68

Questions 23 to 27:

If you experienced problems, please explain:

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V57   69-70

V58   71-72

V59   73-74

28. I found the following icons:

	Useful	Confusing	Unnecessary
BACK ←	1	2	3
REPLAY F2	1	2	3
GLOSSARY F3	1	2	3
WHERE AM I? F4	1	2	3
REPEAT QUESTIONS (where applicable)	1	2	3
PRESS F8 OR CLICK HERE FOR DEFINITION	1	2	3

V60  75

V61  76

V62  77

V63  78

V64  79

V65  80

For office use

29. Respondent number

V66     1-4

30. Card number

V67  0  2 5-6

31. Repetition number

V68  7

32. I found the level of English usage in the computer lessons to be:  
(Circle only one number.)

Elementary	Intermediate	Advanced
1	2	3

V69  8

33. I found the vocabulary used in the computer lessons to be:  
(Circle only one number.)

Simple	Suitable	Advanced
1	2	3

V70  9

34. The lessons are free from vague and ambiguous language.

	Yes	No
1. Probability I	1	2
2. Random variables	1	2

V71  10V72  11

35. Terms and concepts are clearly defined.

Always	Mostly	Never
1	2	3

V73  12

36. The number of questions/exercises provided is:  
(Circle only one number.)

Not enough	Adequate	Too many
1	2	3

V74  13

37. Instructions on how to answer each question are clear.  
(Circle only one number.)

Always	Sometimes	Never
1	2	3

V75  14

38. Rate the general difficulty level of the questions:  
(Circle only one number.)

Too easy	1
Easy	2
Average	3
Difficult	4
Very difficult	5

V76  15

39. Answering the questions contributed towards my understanding of the topic.  
(Circle only one number.)

Always	Sometimes	Never
1	2	3

V77  16

40. I learnt from the feedback after a wrong answer.  
(Circle only one number.)

Always	Sometimes	Never
1	2	3

V78  17

41. I learnt some statistical concepts I didn't know before.

	Yes	No
1. Probability I	1	2
2. Random variables	1	2

V79  18

V80  19



For office use

42. In my opinion, these computer lessons:

	Yes	No
Help to make Statistics more interesting	1	2
Help to make Statistics more understandable	1	2

V81  20V82  2143. I found the lessons to be:  
(You may circle more than one number.)

Enjoyable	1
Interesting	2
Motivating	3
Challenging	4
Frustrating	5
Boring	6
Exhausting	7
A waste of time	8
Nerve-wracking	9

V83  22V84  23V85  24V86  25V87  26V88  27V89  28V90  29V91  3044. Group or individual work:  
(Circle only one number.)

I liked working alone at the computer	1
I would prefer to do these lessons in a group	2

V92  31

For office use

Please indicate your level of agreement with each of the following statements by circling a number.

	Strongly agree	Agree	Dis-agree	Strongly disagree	
45. I felt confident interacting with a computer	1	2	3	4	V93 <input type="checkbox"/> 32
46. I felt as if I was having a conversation with someone	1	2	3	4	V94 <input type="checkbox"/> 33
47. I felt that I was an active learner	1	2	3	4	V95 <input type="checkbox"/> 34
48. I enjoyed working at my own pace	1	2	3	4	V96 <input type="checkbox"/> 35

49. I found the tone of the lessons:  
(You may circle more than one number.)

Patronising	1
Friendly	2
Conversational	3
Childish	4
Relaxed	5
Academic	6

V97	<input type="checkbox"/>	36
V98	<input type="checkbox"/>	37
V99	<input type="checkbox"/>	38
V100	<input type="checkbox"/>	39
V101	<input type="checkbox"/>	40
V102	<input type="checkbox"/>	41

50. I would recommend these computer lessons to other students.

Yes	No	Unsure
1	2	3

V103  42

51. I would like to work through the lessons again in my own time.

	Yes	No
1. Probability I	1	2
2. Random variables	1	2

V104  43  
V105  44

For office use

52. How would you rate these computer-assisted Statistics lessons?  
(Circle only one number.)

Very poor	1
Poor	2
Average	3
Good	4
Excellent	5

V106  45

53. With respect to Statistics, put the following activities in order of your preference, where 1 is your favourite and 5 is your least favourite.

Rank  
1 - 5

Attend a lecture

V107  46

Study a textbook or study guide

V108  47

Listen to an audio tape

V109  48

Watch a video

V110  49

Do a computer-assisted lesson

V111  50

Section 3: Give us your opinions

For office use

54. What did you like best about these computer lessons?

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V112	<input type="checkbox"/>	<input type="checkbox"/>	51-52
V113	<input type="checkbox"/>	<input type="checkbox"/>	53-54
V114	<input type="checkbox"/>	<input type="checkbox"/>	55-56
V115	<input type="checkbox"/>	<input type="checkbox"/>	57-58

55. What did you like least about the lessons?

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\_\_\_\_\_

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V116	<input type="checkbox"/>	<input type="checkbox"/>	59-60
V117	<input type="checkbox"/>	<input type="checkbox"/>	61-62
V118	<input type="checkbox"/>	<input type="checkbox"/>	63-64
V119	<input type="checkbox"/>	<input type="checkbox"/>	65-66

56. What suggestions would you make to improve the lessons?

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V120	<input type="checkbox"/>	<input type="checkbox"/>	67-68
V121	<input type="checkbox"/>	<input type="checkbox"/>	69-70
V122	<input type="checkbox"/>	<input type="checkbox"/>	71-72
V123	<input type="checkbox"/>	<input type="checkbox"/>	73-74

*Thank you for helping us to improve these lessons*