

Online Appendix A  
SECTION A: Demographics & Background Information

A1) Gender  
female male

A2) Years of teaching experience:  
0-5 years 6-10 years 11-15 years 16-20 years over 20 years

A3) Your age:  
under 30 years 31-40 years 41-50 years over 50 years

A4) I teach at the . . . level.  
elementary school  
middle school  
high school  
college/university  
private language school (e.g., Berlitz)  
not currently teaching (e.g., retired, etc.)

A5) Have you ever attended a conference presentation on the topic of using computers for foreign language teaching?  
yes no

A6) have you ever participated in a workshop on using computers for foreign language teaching?  
yes no

A7) Have you ever taken a course on using computers for foreign language teaching?  
yes no

Please make sure you have answered every question on this page before continuing to the next page.

Online Appendix B  
SECTION B: Computer Availability & Connection Speed

B1) I have a computer at home that I use for . . .

- school-related work/activities only.
- personal work/activities only.
- both personal and school-related work/activities.
- neither, since I do not have a computer at home.

B2) My Internet connection at home is . . .

- dial-up
- DSL
- cable modem
- fiber optic (e.g., Verizon FiOS)
- no access/connection

B3) I have a computer in my office at work.

yes no

B4) I have a computer in my classroom at work.

yes no

Please make sure you have answered every question on this page before continuing to the next page.

Online Appendix C  
SECTION C: Use of applications or tools with students

Please indicate approximately how often you use each of these applications or tools with your students.

[For this section, respondents were asked to choose from the following options:

- Daily
- Weekly
- Monthly
- Once/Twice a Year
- Never (not available)
- Never (even though available)]

C1) Computers in general

C2) Word processing

C3) Spreadsheet (e.g., Excel)

C4) Database (e.g., Access)

C5) Photo editing

C6) Presentation software (e.g., PowerPoint)

C7) Desktop publishing (e.g., Microsoft Publisher)

C8) Internet

C9) Search engine for the Internet (e.g., Yahoo!, Google)

C10) iTunes (or music management software)

C11) Microsoft Proofing tools for French (e.g., spelling, grammar check)

C12) Drill or practice programs/tutorials

C13) Clip art

C14) On-line dictionary

C15) E-mail

C16) Web browser

Please make sure you have answered every question on this page before continuing to the next page.

SECTION C (Continued):

Use of applications and tools with your students.

C17) Teacher utilities (e.g., test generators, crossword puzzle makers, etc.)

C18) Digital still camera

C19) Digital video camera

C20) Pod/portable mp3 players

C21) Scanner

- C22) Cable/digital TV
- C23) DVD player
- C24) VCR
- C25) Palm pilot
- C26) Webcam
- C27) PDA
- C28) Electronic white board
- C29) Portable computers
- C30) Video teleconference
- C31) LCD Projector to display to a class what is on a computer

Please make sure you have answered every question on this page before continuing to the next page.

Online Appendix D  
SECTION D: Technology and Language Learning Skills

For each technological tool listed below, please indicate which language skill's development could be most assisted or fostered.

Base your decision on use of these tools by teachers in the classroom.

D1) Desktop publishing  
Listening Reading Speaking Writing

D2) PowerPoint  
Listening Reading Speaking Writing

D3) Smartboards  
Listening Reading Speaking Writing

For each technological tool listed below, please indicate which language skill's development could be most assisted or fostered.

Base your decision on use of these tools by students.

D4) Blogs  
Listening Reading Speaking Writing

D5) Chat/Instant messenger  
Listening Reading Speaking Writing

D6) Desktop publishing  
Listening Reading Speaking Writing

D7) Discussion boards  
Listening Reading Speaking Writing

D8) E-mail  
Listening Reading Speaking Writing

D9) Internet activities  
Listening Reading Speaking Writing

D10) Podcasting  
Listening Reading Speaking Writing

D11) PowerPoint  
Listening Reading Speaking Writing

D12) Smartboards

Listening Reading Speaking Writing

D13) Video conferencing

Listening Reading Speaking Writing

D14) Virtual Reality (e.g., Second Life)

Listening Reading Speaking Writing

D15) Wikis

Listening Reading Speaking Writing

Please make sure you have answered every question on this page before continuing to the next page.

Online Appendix E  
SECTION E: Attitudes toward technology

- E1) Using technology makes me a more effective teacher.
- E2) Technology helps me organize my work.
- E3) I find the use of technology to be motivating for my students.
- E4) I am comfortable learning about and using technology.
- E5) I would like to integrate more technology into my own work.
- E6) I would like to integrate more technology into my work with students.
- E7) My administration encourages the use of technology.
- E8) I am rewarded/recognized for using technology.
- E9) I feel comfortable helping others at school with technology.
- E10) I take personal (i.e., unpaid) time to learn and practice technology skills.
- E11) I feel comfortable asking others at school for assistance with technology.
- E12) I have access to technology that is reliable.
- E13) There are no barriers to my using the applications and media I would like to use.
- E14) Textbooks will be replaced by electronic media in the near future.
- E15) The role of schools will be dramatically changed because of the Internet in the near future.
- E16) My role as a teacher will be dramatically changed because of educational technology in the near future.
- E17) I would attend technology-based professional development activities if my district/institution offered them.
- E18) Computer-assisted instruction helps in learning foreign languages
- E19) Technology can help accommodate different learning styles.
- E20) I would use technology if I had more of a voice in the decision-making process (i.e., purchases, creation of the technology plan, etc.)
- E21) A teacher should be at ease using educational technology.
- E22) Using educational technology is a strategy used by teachers to reach all types of learners.
- E23) A teacher should know how to use educational technology.
- E24) The use of educational technology is just another way to teach such as using a chalkboard, textbook, etc.
- E25) Using educational technology is a strategy employed by effective teachers.
- E26) Educational technology should be used when needed; otherwise, traditional methods should be used.
- E27) Teaching with educational technology is as good as traditional forms of teaching.
- E28) Educational technology can create options for learning.
- E29) Educational technology can create interest in learning.
- E30) Teachers should be computer literate.
- E31) I have reservations about using technology in my classroom.
- E32) The use of educational technology can be an effective substitute for a "live" learning experience in the classroom.
- E33) Using educational technology increases student learning.

Online Appendix F  
SECTION F: Current practices

Please answer the questions below based on the following statement:

I currently do the following activities as part of my teaching

(preparation or during class):

F1) Watch French-language TV programming on line

yes no

F2) Watch French-language TV (e.g., TV5) on a television set

yes no

F3) Listen to French-language radio on line

yes no

F4) Read French-language newspapers on line

yes no

F5) Read French-language blogs

yes no

F6) Access French/Francophone realia

yes no

F7) Listen to French-language podcasts

yes no

F8) Use French-language search engines

yes no

F9) Use French-language on-line dictionaries

yes no

F10) Use French translation software (online or individual software package)

yes no

Please make sure you have answered every question on this page before continuing to the next page.

Online Appendix G  
SECTION G: Possible Uses of Technology

Please select yes or no based on the following sentence:

I would use more technology if . . .

G1) I had more time.

yes no

G2) I had more training.

yes no

G3) I had networking access from school.

yes no

G4) I had more ideas on how technology could improve instruction.

yes no

I would like to learn more about...

G5) webcams

yes no

G6) wikis

yes no

G7) blogs

yes no

G8) podcasts

yes no

G9) chat

yes no

G10) discussion boards

yes no

G11) virtual simulations (such as Second Life)

yes no

Please make sure you have answered every question on this page before continuing to the next page.

Online Appendix H  
SECTION H: Short Answers

Please be very careful to avoid using the ENTER key on your keyboard.

If you type more than one line, the cursor will automatically go down to the next line, so you do not need the ENTER key at all.

If you use the ENTER key while the cursor is inside a text box, your survey answers will be submitted before the end.

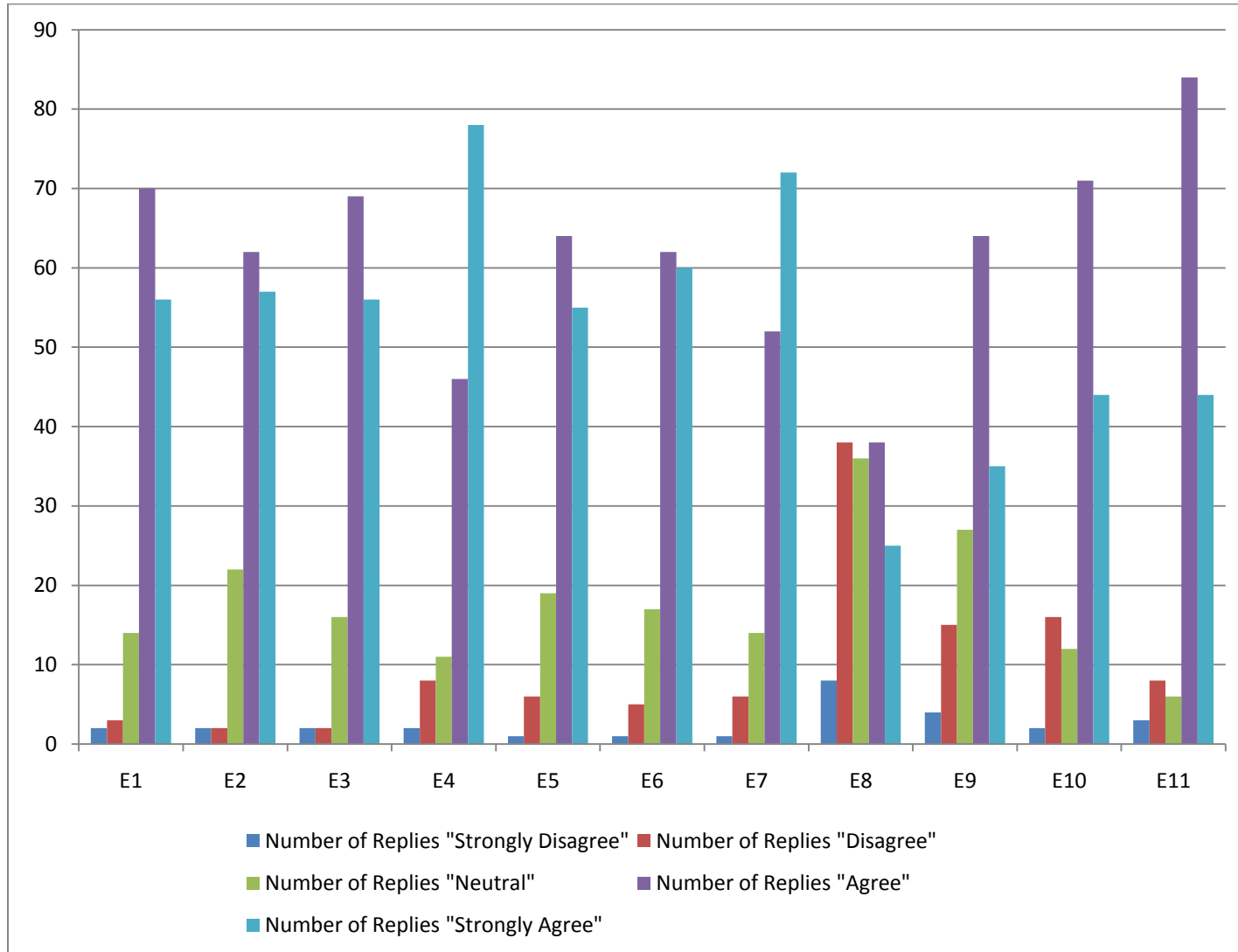
H1) If you could easily obtain support and service for technology use, what would you like to be able to do? (Please be brief.)

H2) What types of workshops would you like to see the TNT Commission sponsor at upcoming AATF meetings or other conferences?

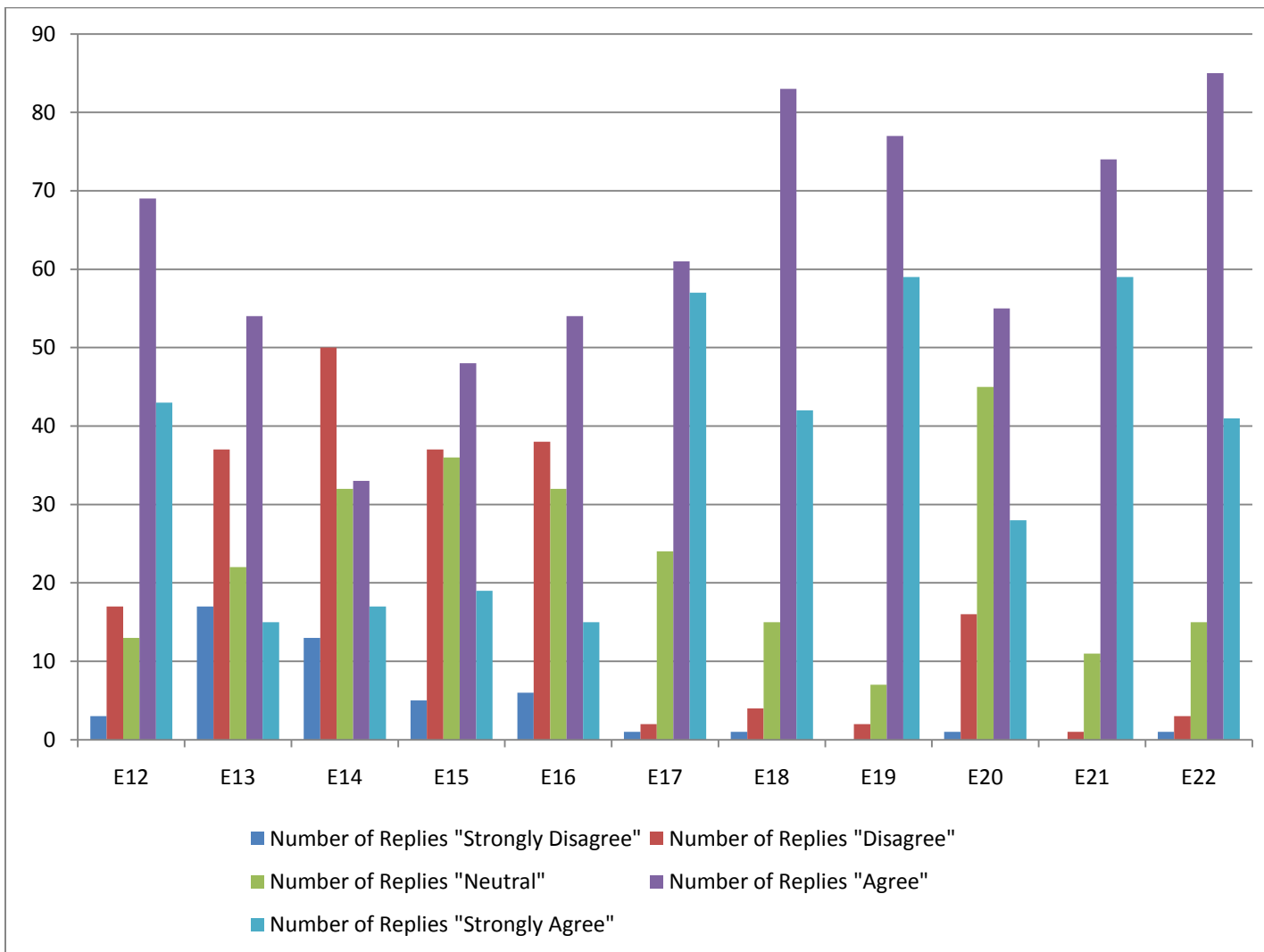
H3) If you are interested in becoming a member of the AATF Telematics and New Technologies Commission, please leave your name and e-mail. If you choose to provide your name and e-mail, this information will be immediately transferred to our mailing list and erased from the file with results you have provided for this survey. Your identity will in no way be associated with the answers you have given.

Please make sure you have answered every question on this page before continuing to the next page.

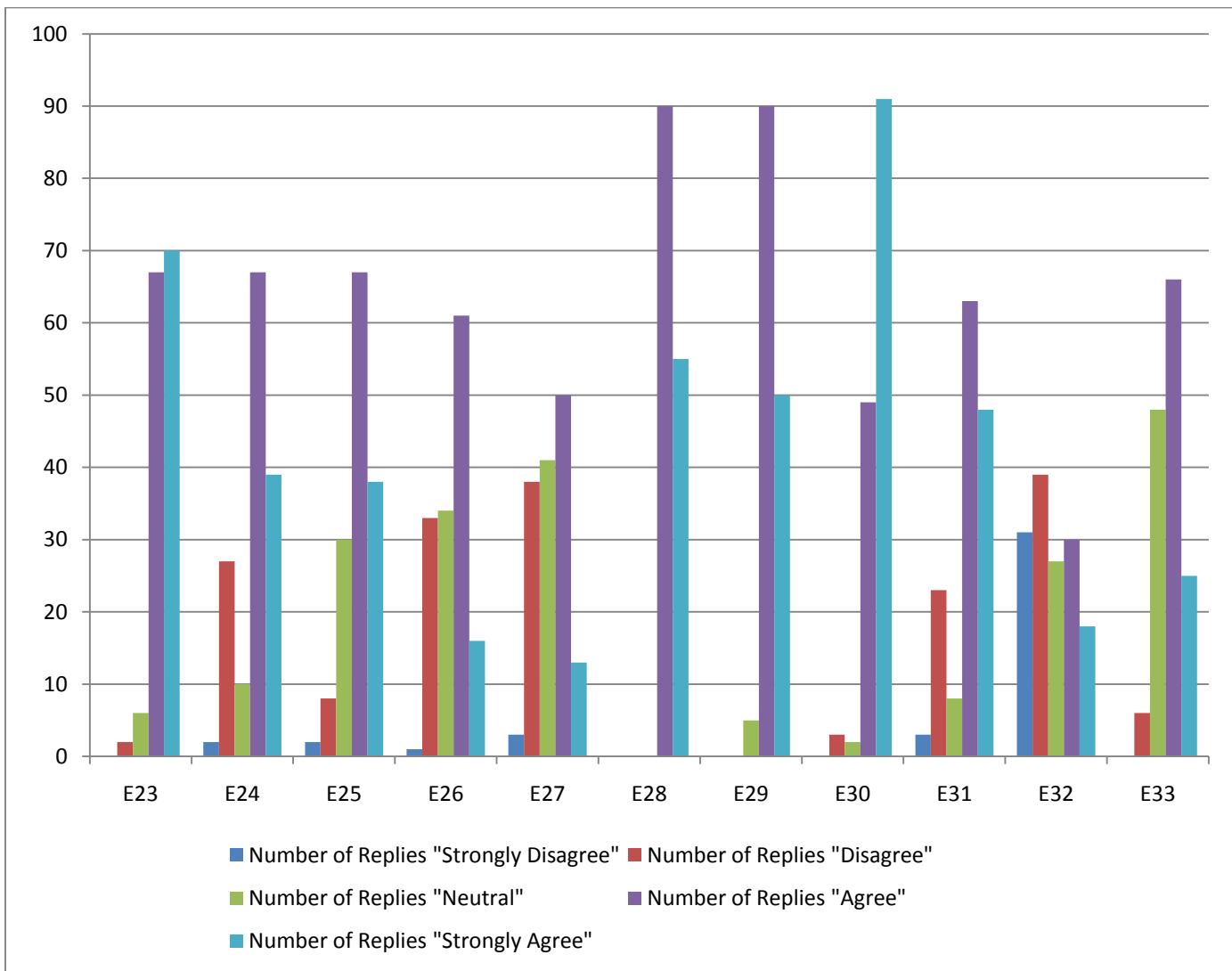
**Online Appendix I**  
Graphs of Results from Individual Items in Section E



Online Appendix I (continued)



Online Appendix I (continued)



## Online Appendix J

Table of Results from Individual Items in Section E

	<b>E1</b>	<b>E2</b>	<b>E3</b>	<b>E4</b>	<b>E5</b>	<b>E6</b>	<b>E7</b>	<b>E8</b>	<b>E9</b>	<b>E10</b>	<b>E11</b>
<b>Number of Replies "Strongly Disagree"</b>	2	2	2	2	1	1	1	8	4	2	3
<b>Number of Replies "Disagree"</b>	3	2	2	8	6	5	6	38	15	16	8
<b>Number of Replies "Neutral"</b>	14	22	16	11	19	17	14	36	27	12	6
<b>Number of Replies "Agree"</b>	70	62	69	46	64	62	52	38	64	71	84
<b>Number of Replies "Strongly Agree"</b>	56	57	56	78	55	60	72	25	35	44	44

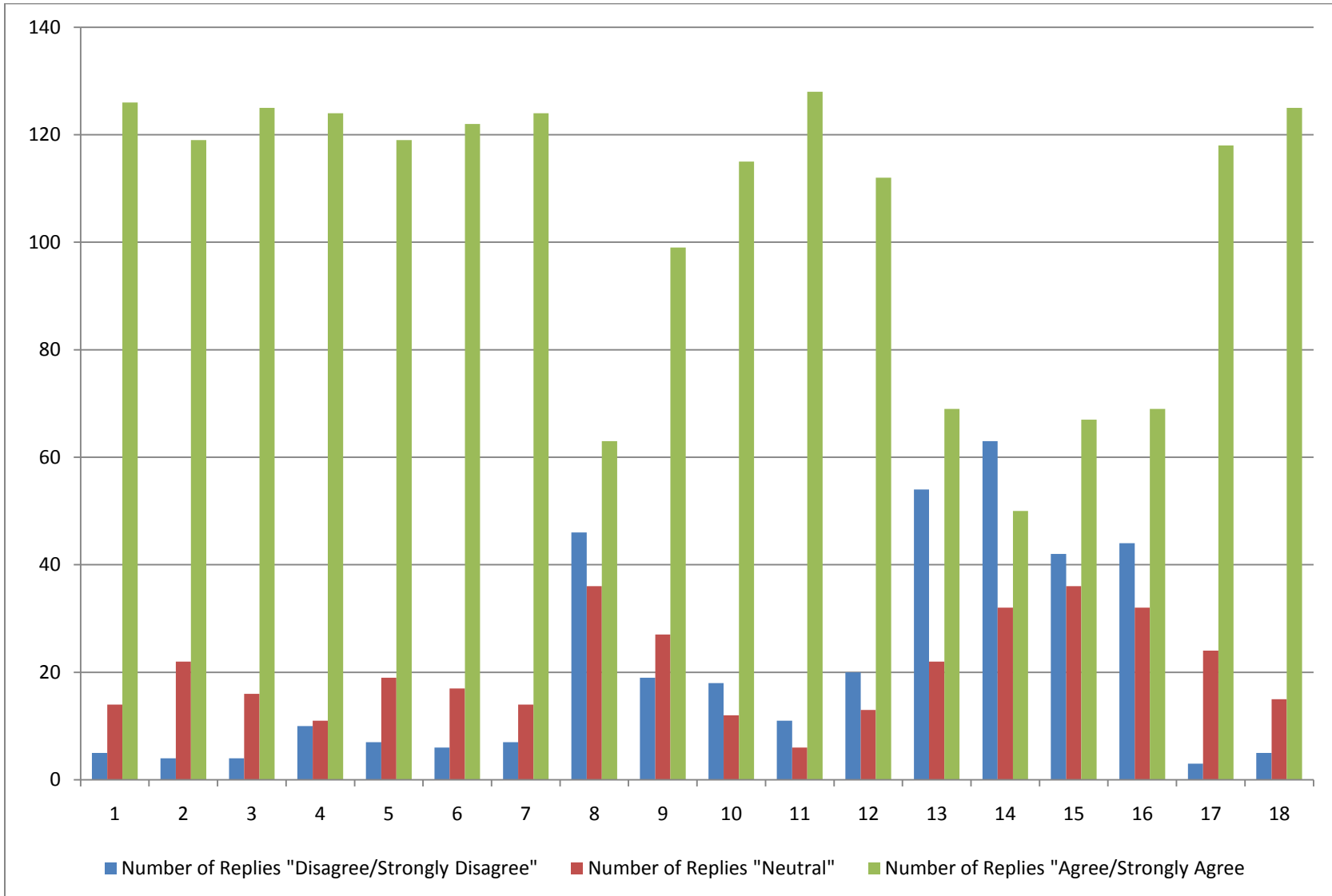
	<b>E12</b>	<b>E13</b>	<b>E14</b>	<b>E15</b>	<b>E16</b>	<b>E17</b>	<b>E18</b>	<b>E19</b>	<b>E20</b>	<b>E21</b>	<b>E22</b>
<b>Number of Replies "Strongly Disagree"</b>	3	17	13	5	6	1	1	0	1	0	1
<b>Number of Replies "Disagree"</b>	17	37	50	37	38	2	4	2	16	1	3
<b>Number of Replies "Neutral"</b>	13	22	32	36	32	24	15	7	45	11	15
<b>Number of Replies "Agree"</b>	69	54	33	48	54	61	83	77	55	74	85
<b>Number of Replies "Strongly Agree"</b>	43	15	17	19	15	57	42	59	28	59	41

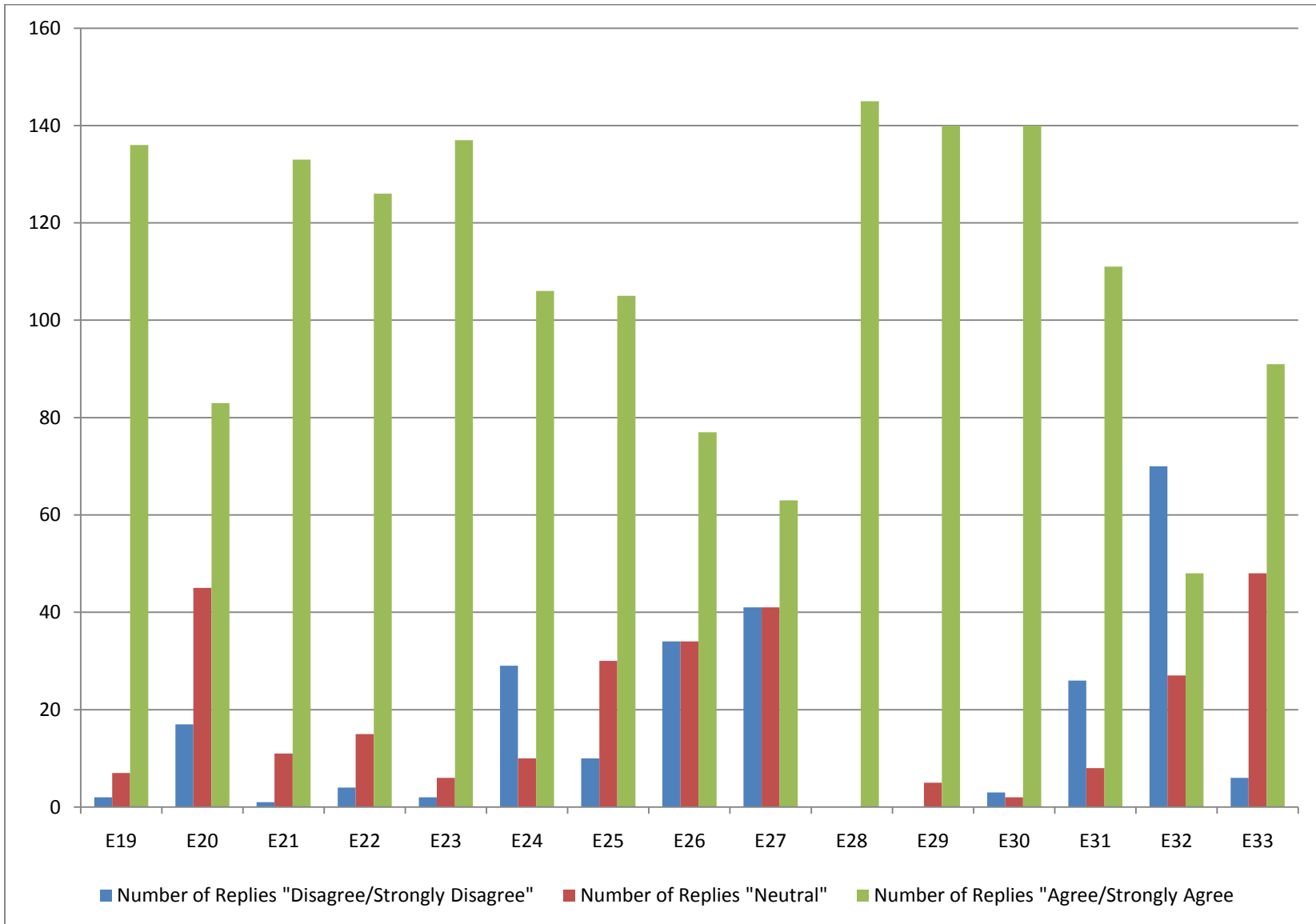
	<b>E23</b>	<b>E24</b>	<b>E25</b>	<b>E26</b>	<b>E27</b>	<b>E28</b>	<b>E29</b>	<b>E30</b>	<b>E31</b>	<b>E32</b>	<b>E33</b>
<b>Number of Replies "Strongly Disagree"</b>	0	2	2	1	3	0	0	0	3	31	0
<b>Number of Replies "Disagree"</b>	2	27	8	33	38	0	0	3	23	39	6
<b>Number of Replies "Neutral"</b>	6	10	30	34	41	0	5	2	8	27	48
<b>Number of Replies "Agree"</b>	67	67	67	61	50	90	90	49	63	30	66
<b>Number of Replies "Strongly Agree"</b>	70	39	38	16	13	55	50	91	48	18	25

### Online Appendix K

Graphs of Results from Individual Items in Section E ("Strongly Disagree/Disagree" & "Agree/Strongly Agree" Combined)



### Online Appendix K (Continued)



## Online Appendix L

These results include scores from Section E with each of the following variables: Gender, Experience, Age, Institution Type, Attendance at a conference presentation on new technologies for learning/teaching languages; Participation in a workshop on new technologies; and Coursework related to new technologies.

**Note :** Although each item is presented in the article on a scale of 0-4, the statistics below used a scale of 1-5. The scale itself can use any five numbers to represent the five levels on the Likert-type items in Section E; however, for interpretation of the results, it is important to remember that using a different scale will simply result in an adjustment to the minimum and maximum score for Section E (Scale of 0-4 = min. 0, max. 132; Scale of 1-5 = min. 33, max. 165).

### Item A1 : Gender (Wilcoxon-Mann-Whitney)

#### Ranks

a1		N	Mean Rank	Sum of Ranks
eTotal	female	125	75.19	9399.00
	male	20	59.30	1186.00
	Total	145		

#### Test Statistics(a)

	eTotal
Mann-Whitney U	976.000
Wilcoxon W	1186.000
Z	-1.572
Asymp. Sig. (2-tailed)	.116

a Grouping Variable: a1

### Item A2 : Teaching Experience, in years (Kruskal-Wallis)

#### Ranks

a2		N	Mean Rank
eTotal	to5	20	78.08
	5to10	29	77.78
	11to15	22	74.36
	16to20	23	72.41
	20plus	51	67.97
	Total	145	

**Test Statistics(a,b)**

	eTotal
Chi-Square	1.427
df	4
Asymp. Sig.	.839

a Kruskal Wallis Test

b Grouping Variable: a2

**Item A3: Age, in years (Kruskal-Wallis)****Ranks**

	a3	N	Mean Rank
eTotal	under30	18	69.69
	30s	38	87.22
	40s	32	69.39
	over50	57	66.59
	Total	145	

**Test Statistics(a,b)**

	eTotal
Chi-Square	6.040
df	3
Asymp. Sig.	.110

a Kruskal Wallis Test

b Grouping Variable: a3

**Item A4: Type of Institution (Kruskal-Wallis)****Ranks**

	inst_1	N	Mean Rank
eTot_1	elem	5	92.10
	high	9	74.83
	coll	79	80.61
	priv	50	56.77
	not	1	99.50
	Total	144	

**Test Statistics(a,b)**

	eTot_1
Chi-Square	11.656
df	4
Asymp. Sig.	.020

a Kruskal Wallis Test

b Grouping Variable: inst\_1

**Item A5: attended conference presentation (Wilcoxon-Mann-Whitney)****Ranks**

	a5	N	Mean Rank	Sum of Ranks
eTotal	1	105	76.14	7995.00
	2	40	64.75	2590.00
	Total	145		

**Test Statistics(a)**

	eTotal
Mann-Whitney U	1770.000
Wilcoxon W	2590.000
Z	-1.460
Asymp. Sig. (2-tailed)	.144

a Grouping Variable: a5

**Item A6: participated in workshop (Wilcoxon-Mann-Whitney)****Ranks**

	a6	N	Mean Rank	Sum of Ranks
eTotal	1	107	76.48	8183.50
	2	38	63.20	2401.50
	Total	145		

**Test Statistics(a)**

	eTotal
Mann-Whitney U	1660.500
Wilcoxon W	2401.500
Z	-1.676
Asymp. Sig. (2-tailed)	.094

a Grouping Variable: a6

**Item A7: Respondents who took a course on new technologies and teaching/learning**  
(Wilcoxon-Mann-Whitney)

(1 = Respondents who have taken such a course; 2 = Respondents who have not)

**Ranks**

	a7	N	Mean Rank	Sum of Ranks
eTotal	1	44	86.05	3786.00
	2	101	67.32	6799.00
	Total	145		

**Test Statistics(a)**

	eTotal
Mann-Whitney U	1648.000
Wilcoxon W	6799.000
Z	-2.470
Asymp. Sig. (2-tailed)	.014

a Grouping Variable: a7