



# ECAR 2010 Study of Students and Technology Results and some comparisons to 2008 & 2009

# Participant characteristics

▶ Under 25	▶ 64.7%	▶ 66.1%	▶ 84.9%
▶ Female	▶ 71.6%	▶ 69.2%	▶ 77.4%
▶ Full-time students	▶ 82.7%	▶ 85.4%	▶ 85.4%
▶ GPA = / > 3.0	▶ 70.5%	▶ ~90%	▶ 56.6%
▶ Living off-campus	▶ 67.6%	▶ 64.1%	▶ 52.4%

2008  
(170)

2009  
(171)

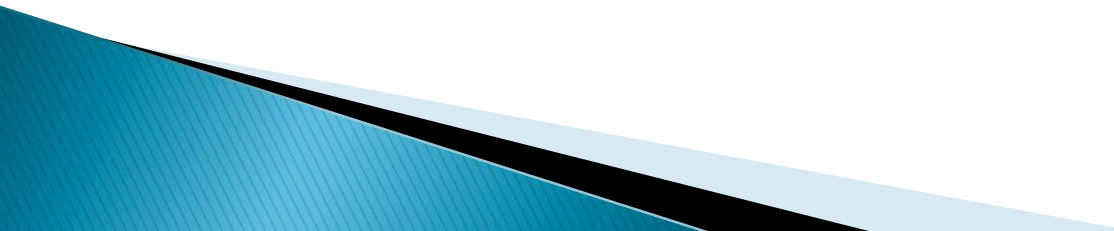
2010  
(106)

# “Which of the following best describes you?”

Response	Senior (N=38)	Freshmen (N=52)
I am skeptical of new technologies and use them only when I have to.	0%	8%
I am usually one of the last people I know to use new technologies.	5%	14%
I usually use new technologies when most people I know do.	45%	46%
I like new technologies and use them before most people I know.	34%	23%
I love new technologies and am among the first to experiment with and use them.	16%	10%

Percentages are round to the nearest whole number.

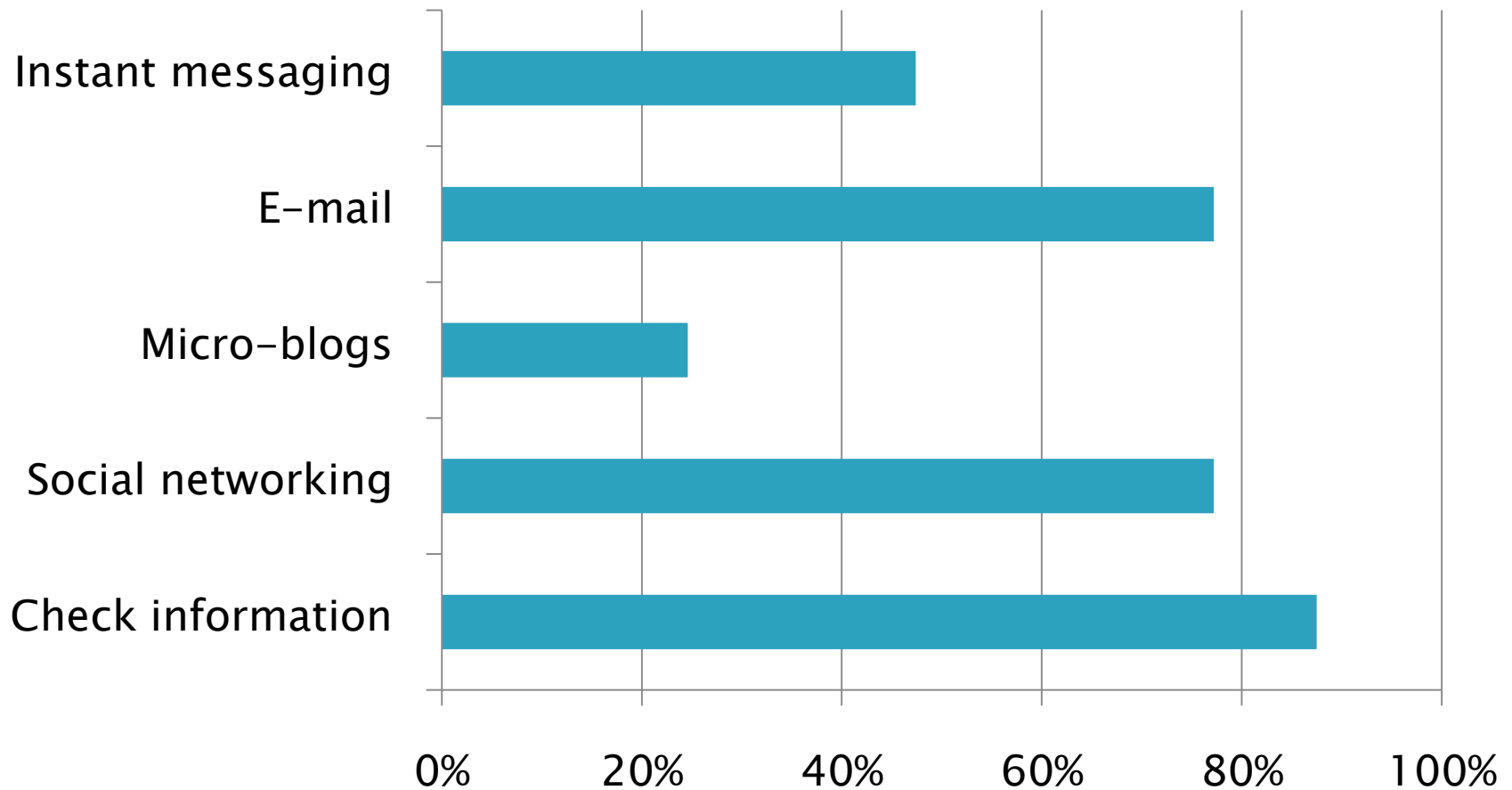
# ECAR 2010: Computer ownership

- ▶ 54.7% of respondents own desktop computers
  - ▶ 78.2% own full-sized laptop computers
  - ▶ 11.5% own small, lightweight notebook computers
- 

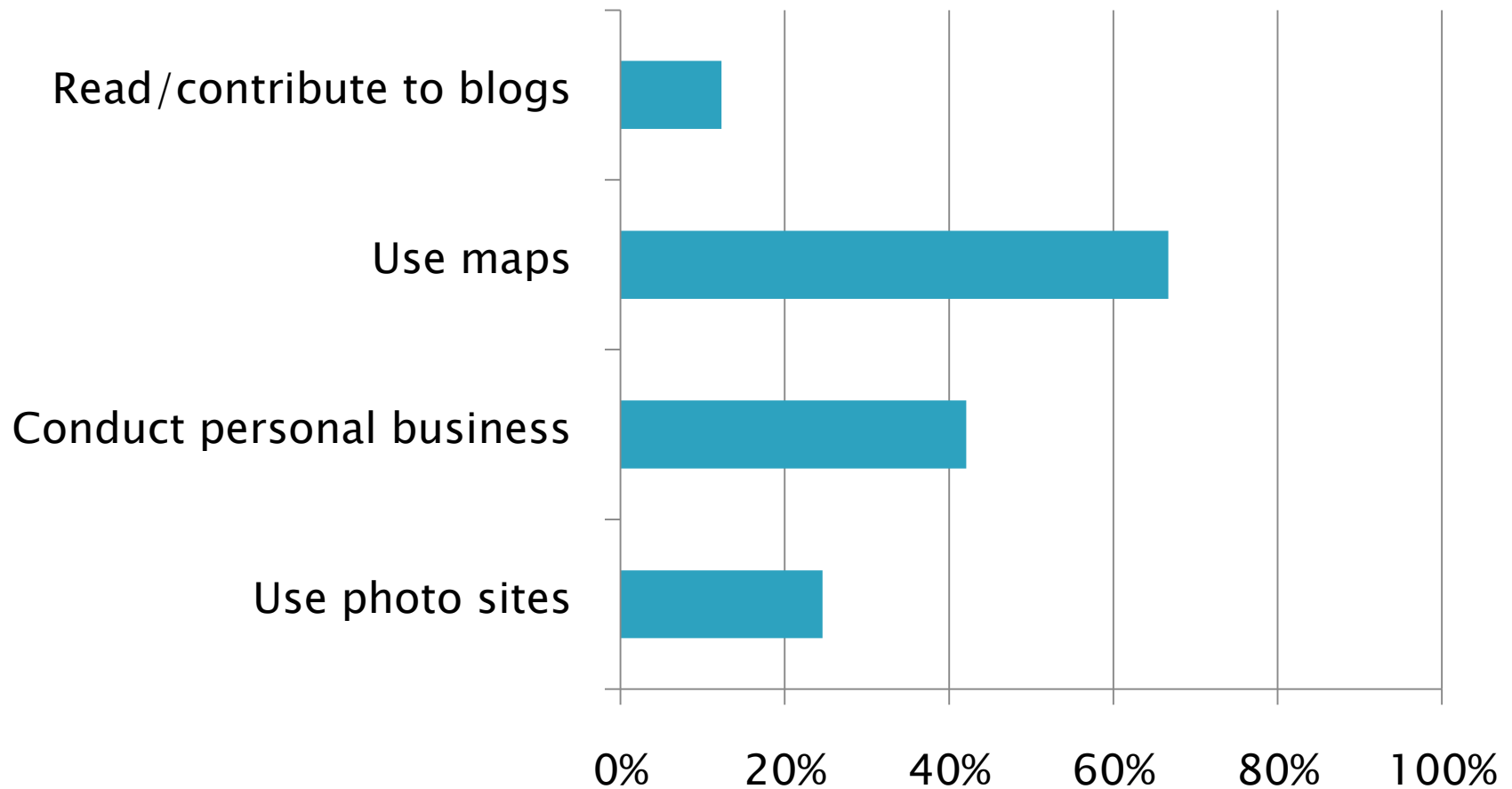
# Internet capable cell phones

- ▶ Internet capable handheld device ownership among 2010 respondents was 65.1%
  - Among 2009 respondents, it was 59.1%.
  - Among 2008 respondents, it was 70.6%.
- ▶ Those who actually use the device to access the internet:
  - 82.5% in 2010
  - 68.3% in 2009
  - 31.4% in 2008

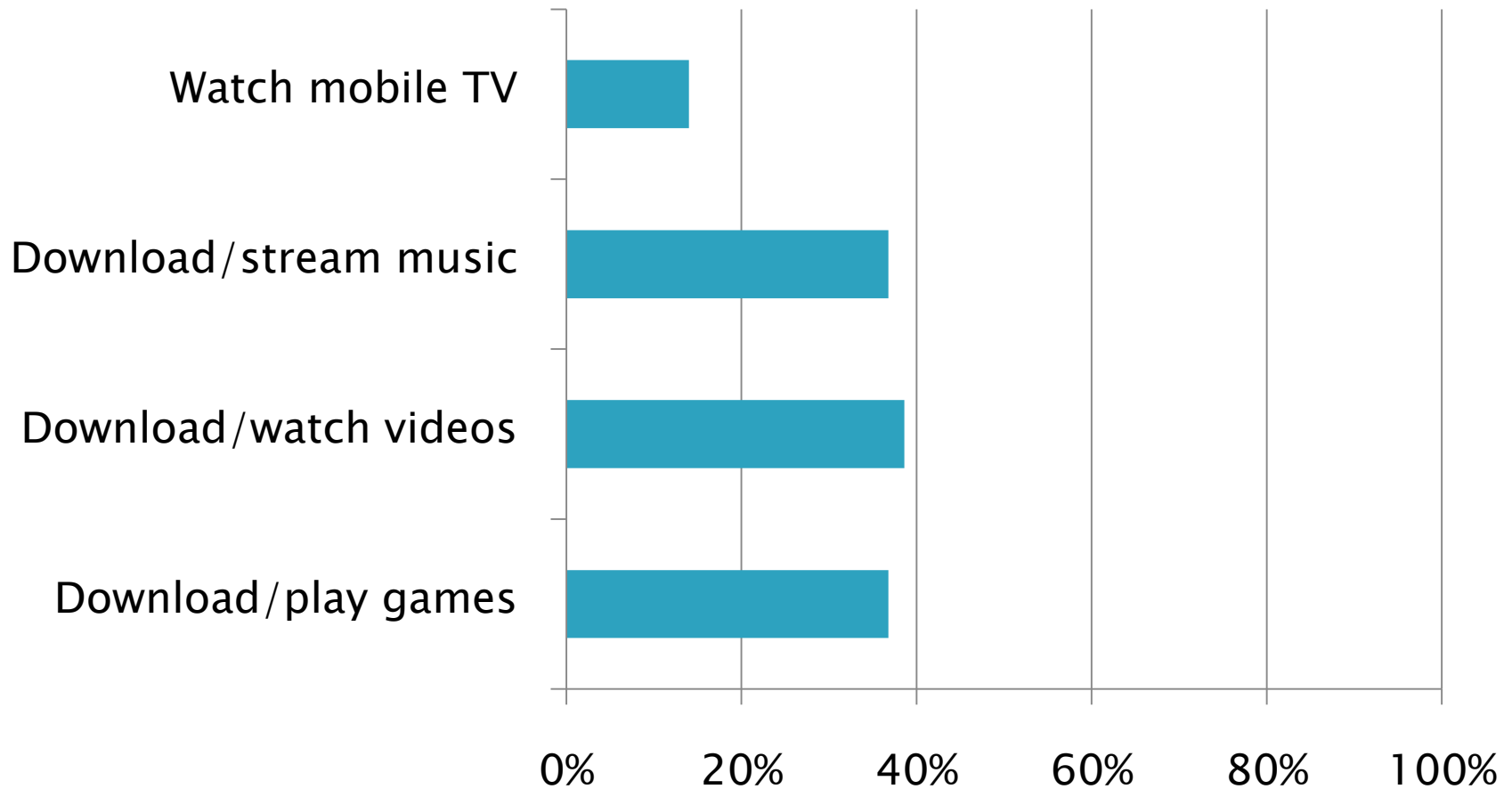
# 2010: Which of the following Internet activities do you do from your handheld device?



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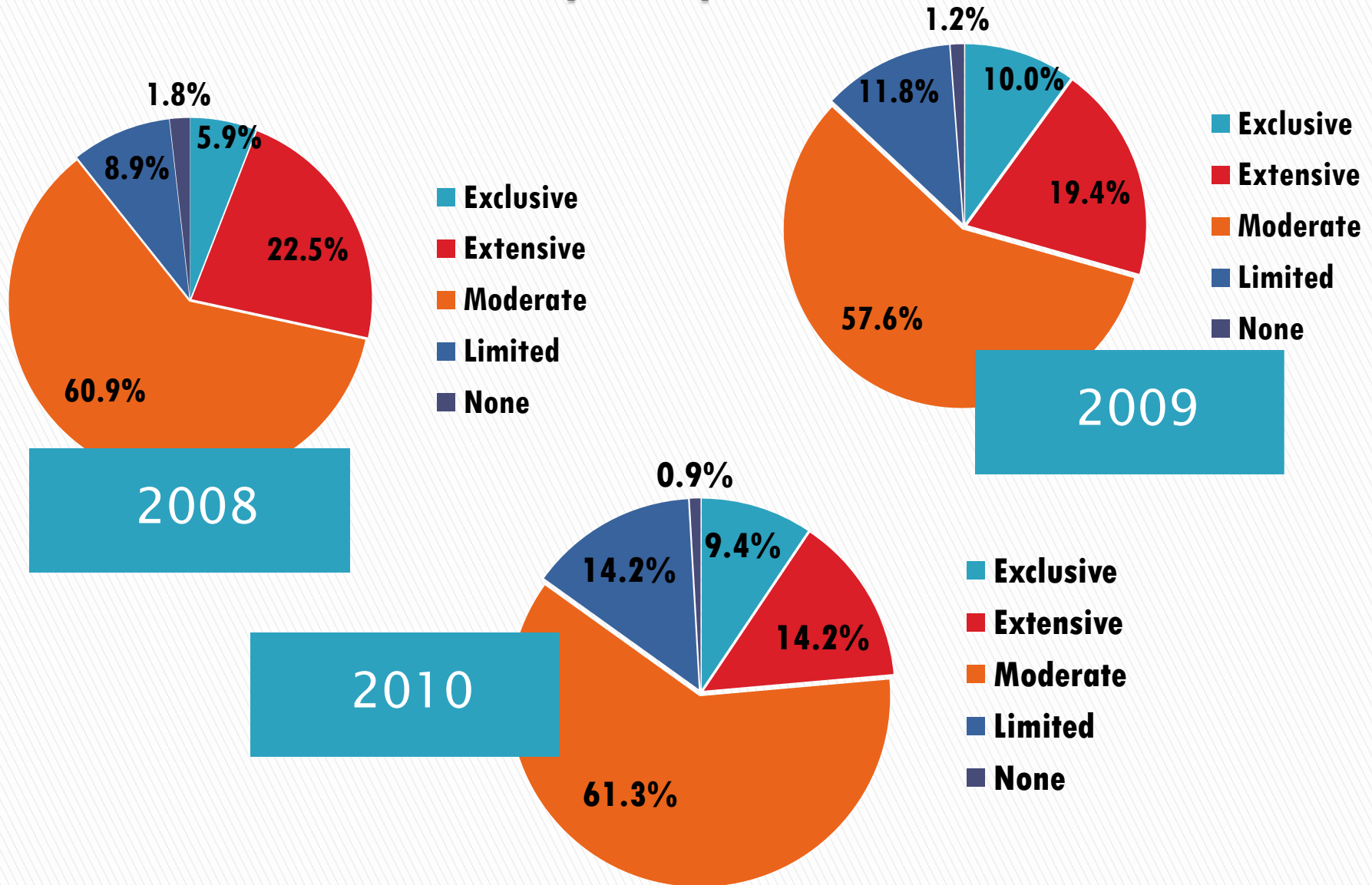


# 2010: Which of the following Internet activities do you do from your handheld device?

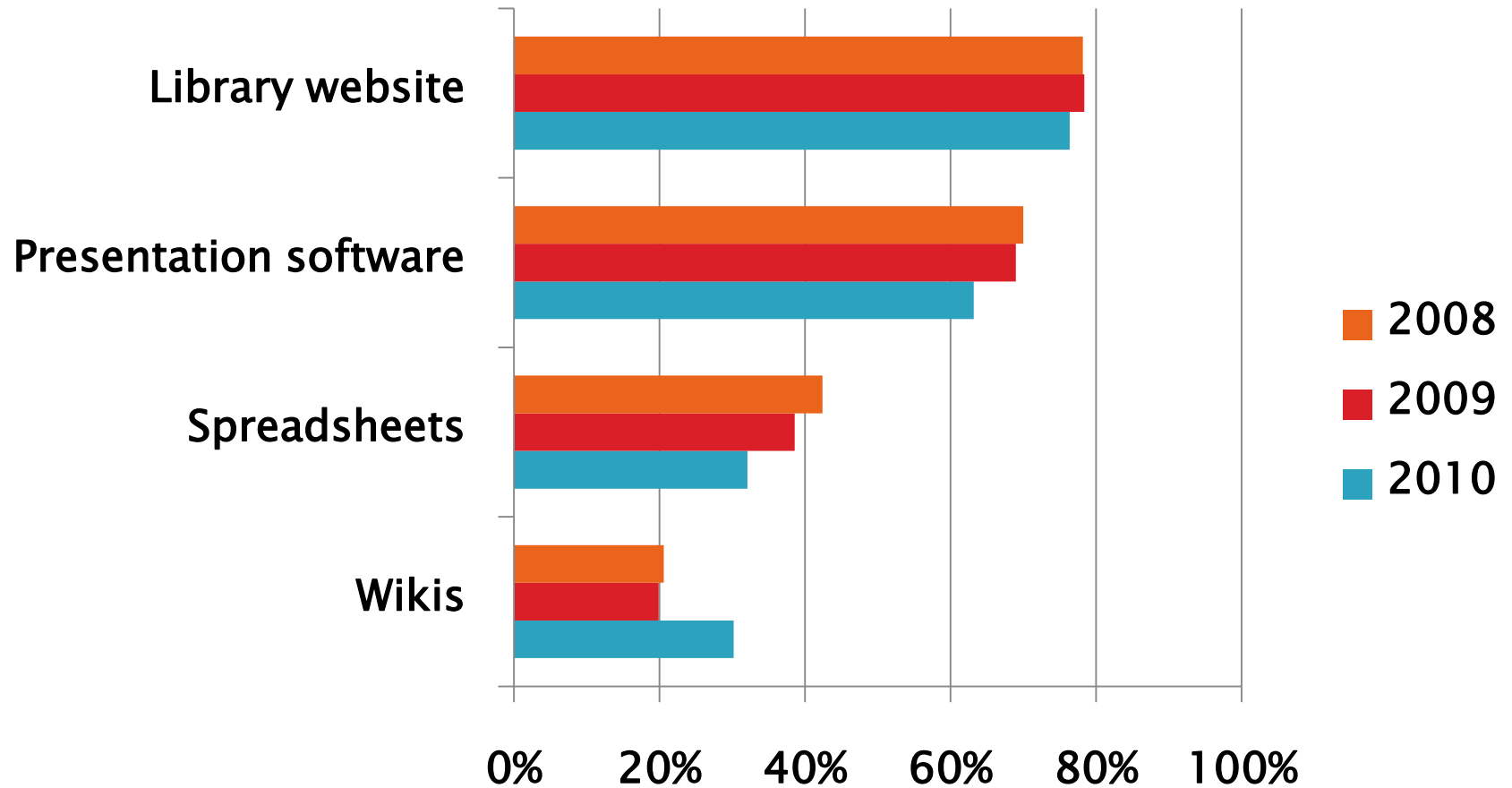




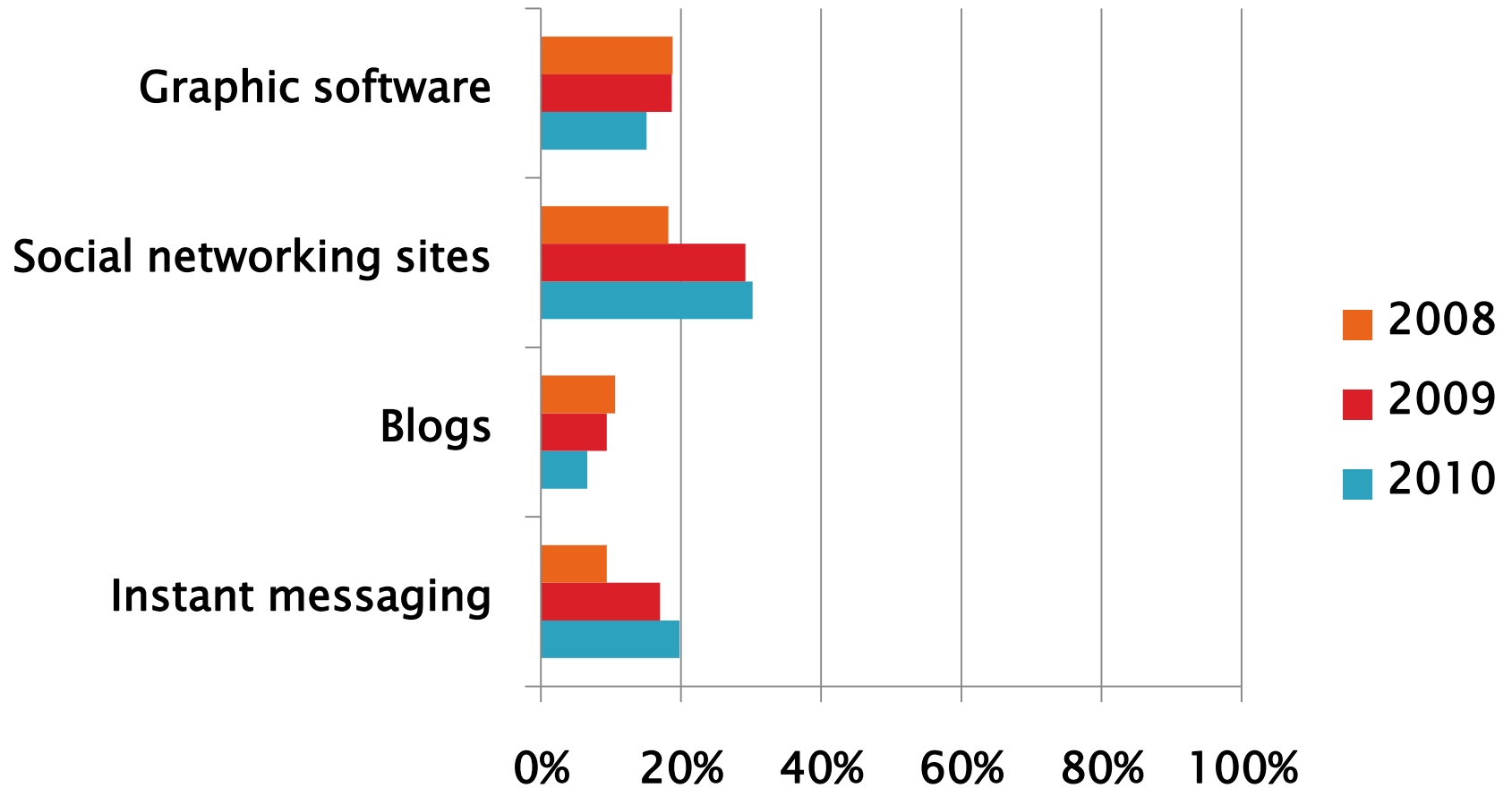
# How much IT do you prefer in courses?



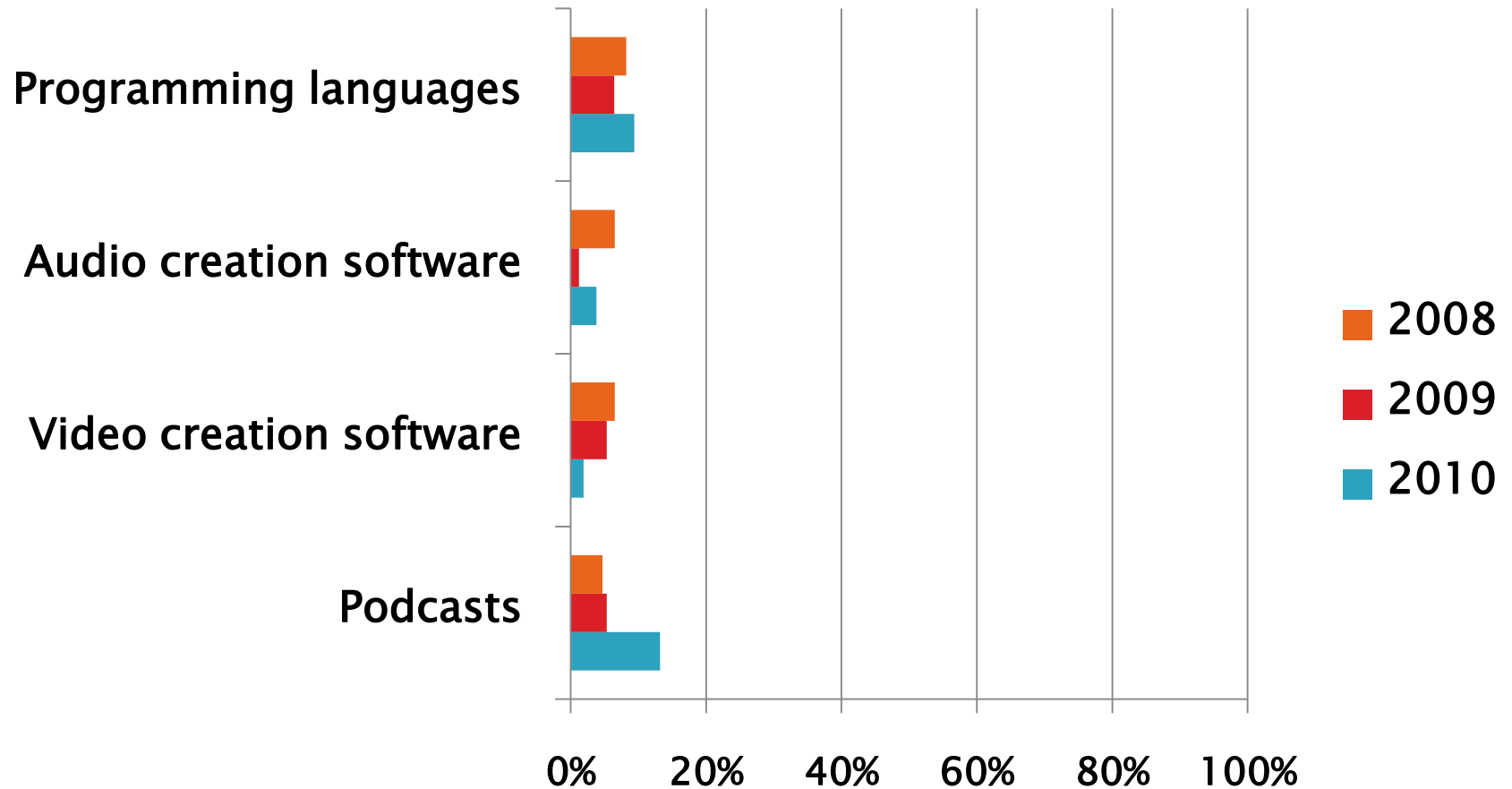
# Using in courses (semester of survey)



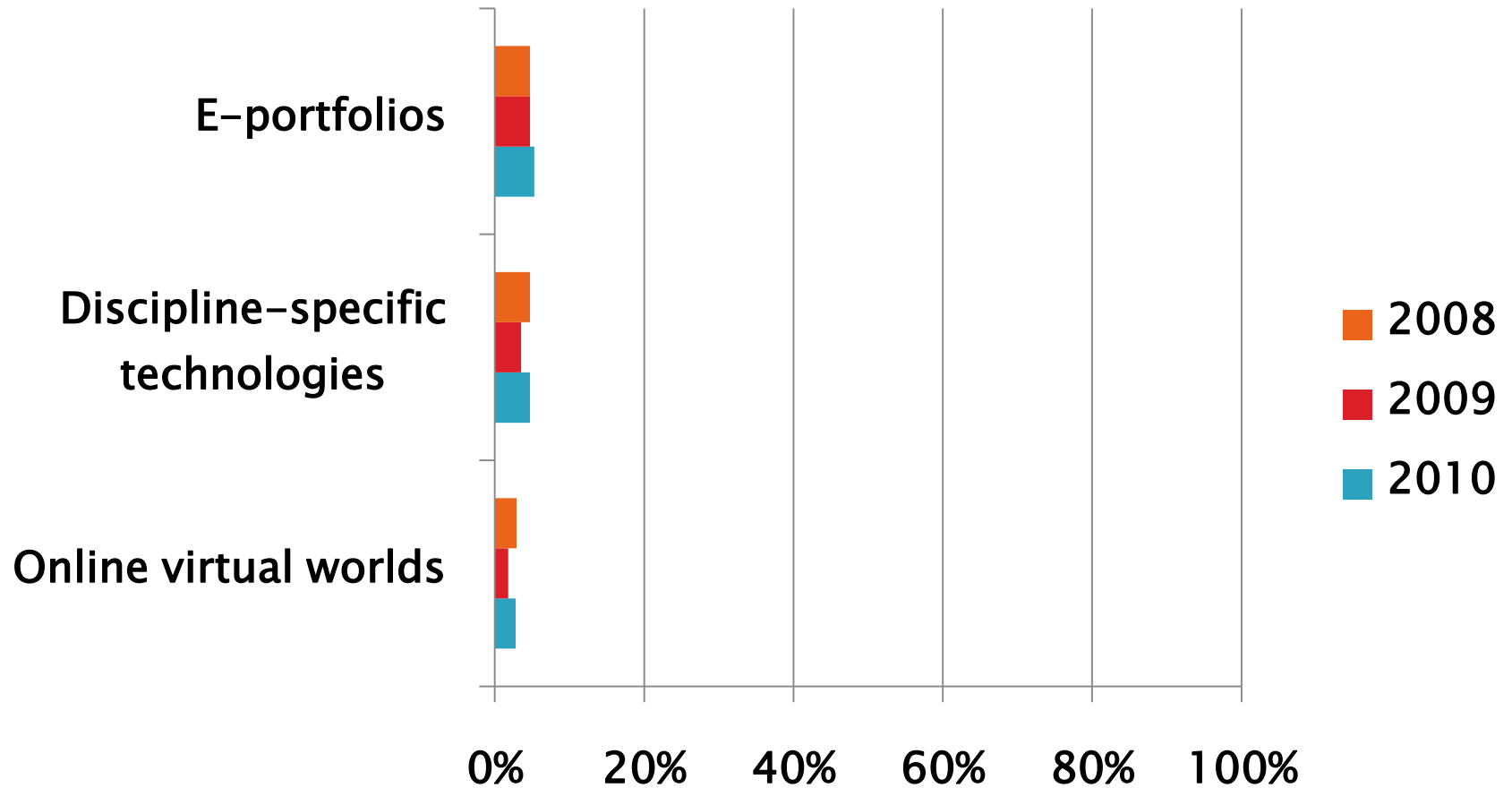
# Using in courses (semester of survey)



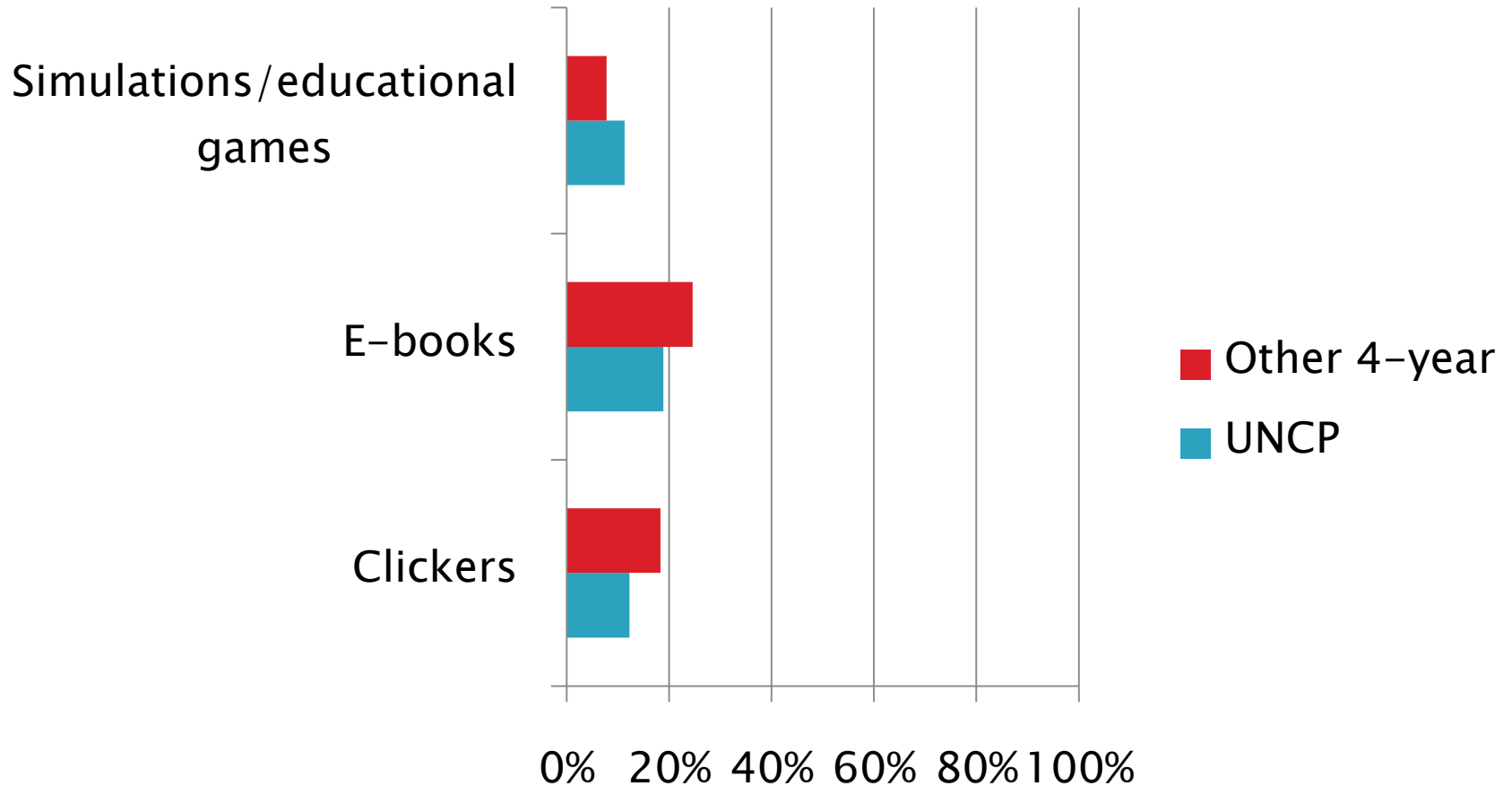
# Using in courses (semester of survey)



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# Additional 2010 information: Using in courses (semester of survey)

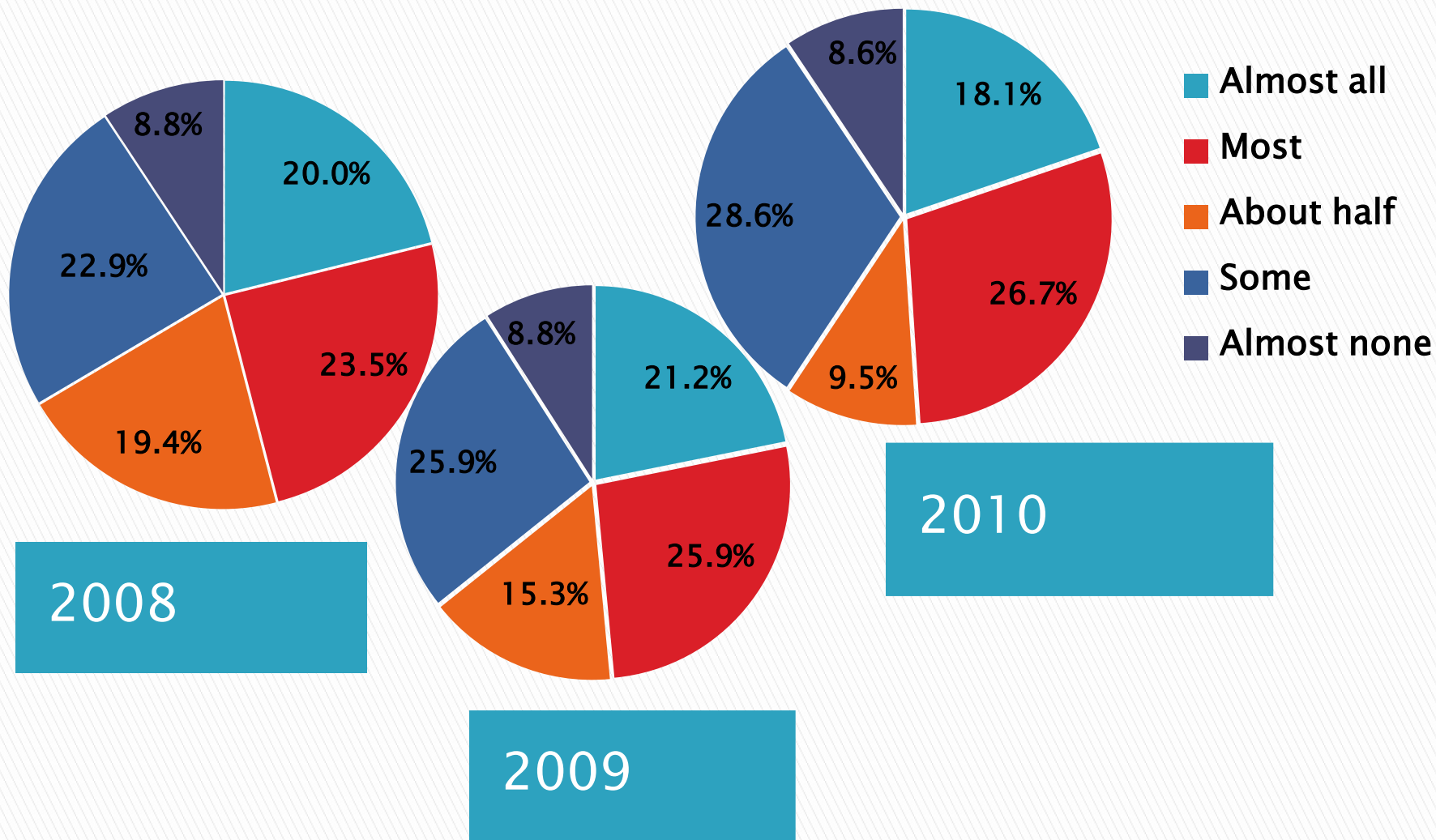


# Additional 2010 information: Websites and tools using in courses (semester of survey)

Activity	UNCP	Other 4-year
Web-based word processor, spreadsheet, presentation, and form applications	41%	36%
Video-sharing websites	25%	25%
Web-based to-do/task-managers	4%	4%
Web-based calendars	12%	18%
Photo-sharing websites	5%	5%
Web-based citation/bibliography tools	12%	18%
College-related review/opinion sites	26%	29%
College study support	9%	11%
Textbook publisher resource websites	28%	26%
Micro-blogs (e.g., Twitter)	5%	4%
Social bookmarking/tagging	3%	3%

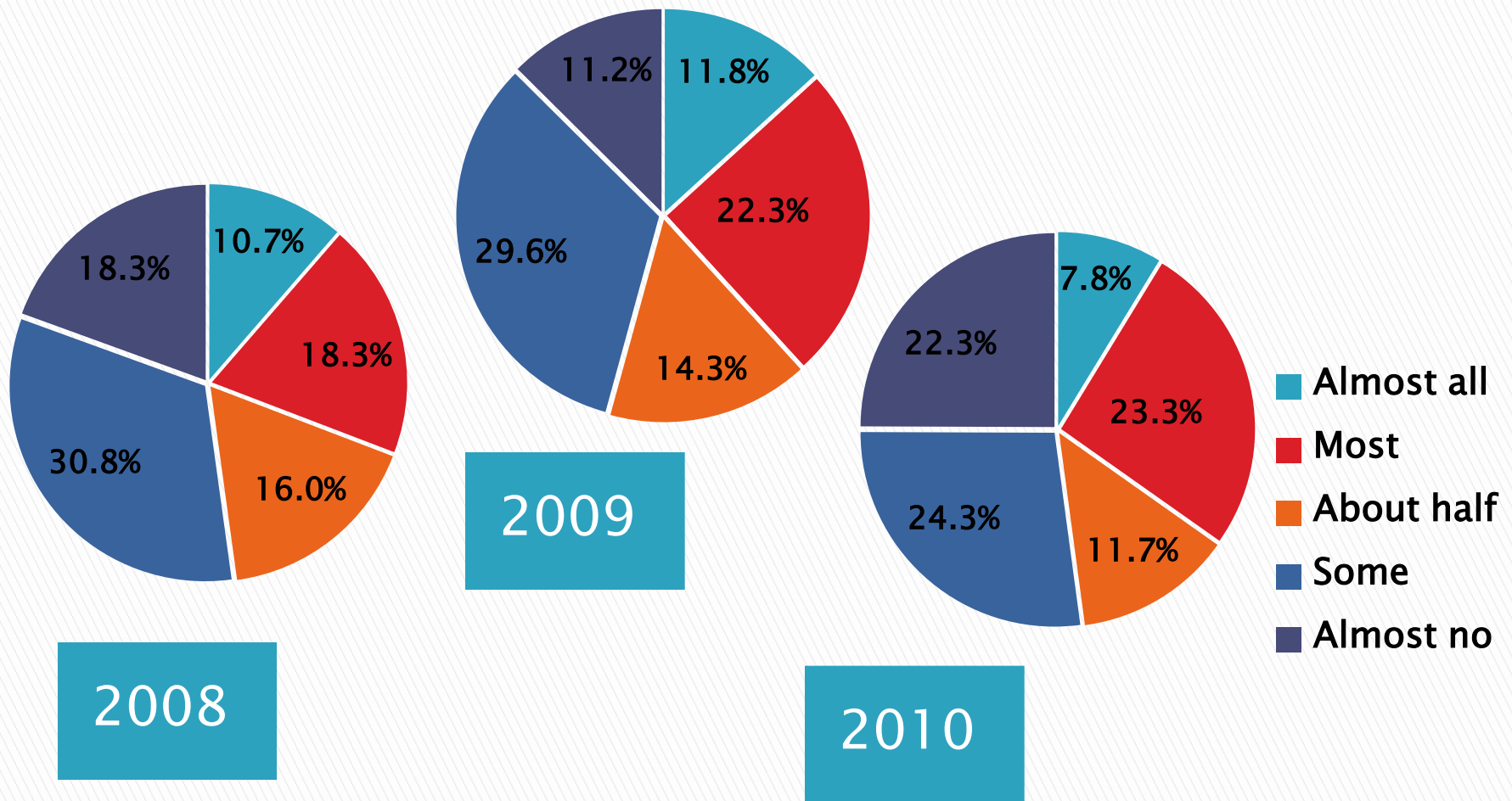
Percentages round to nearest whole number

# Instructor use of IT in courses: Instructors use IT effectively

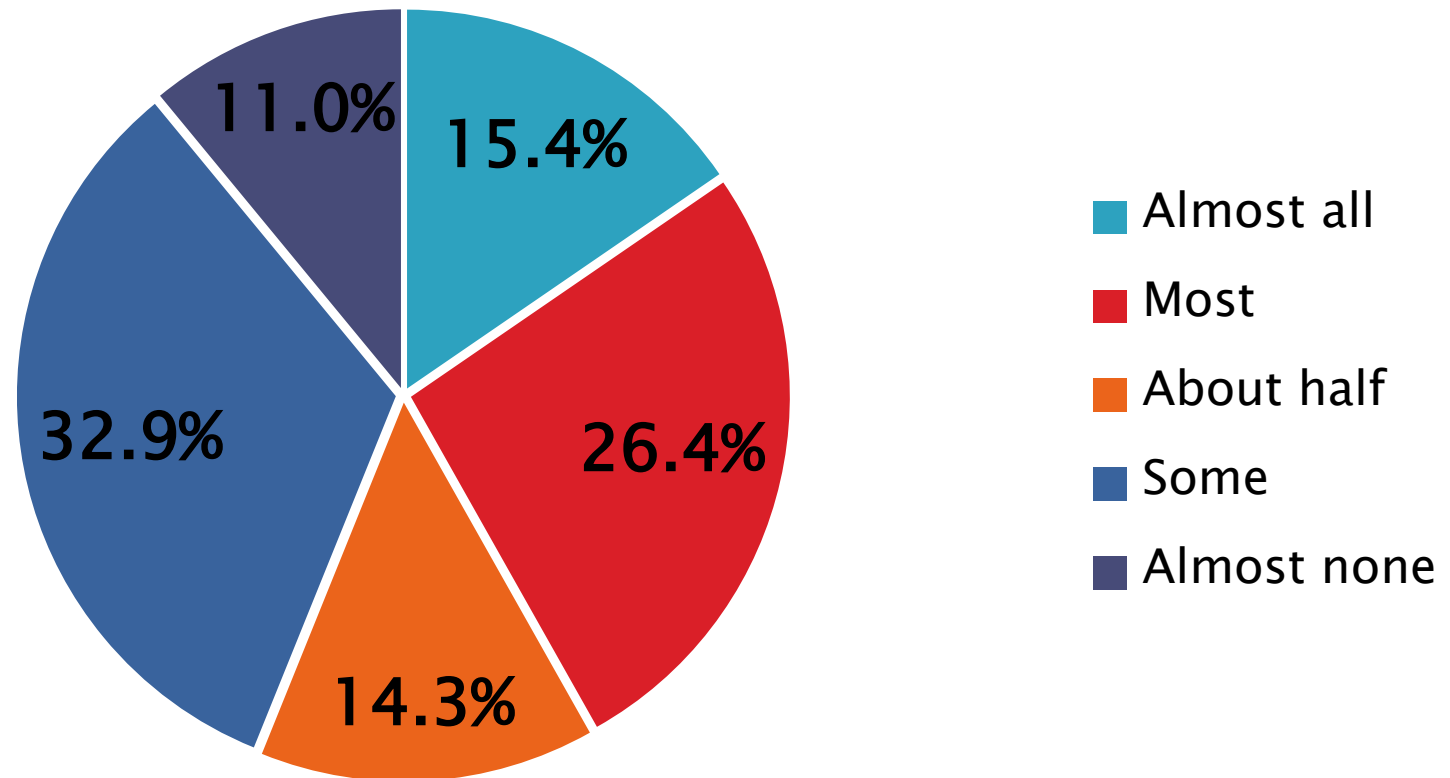




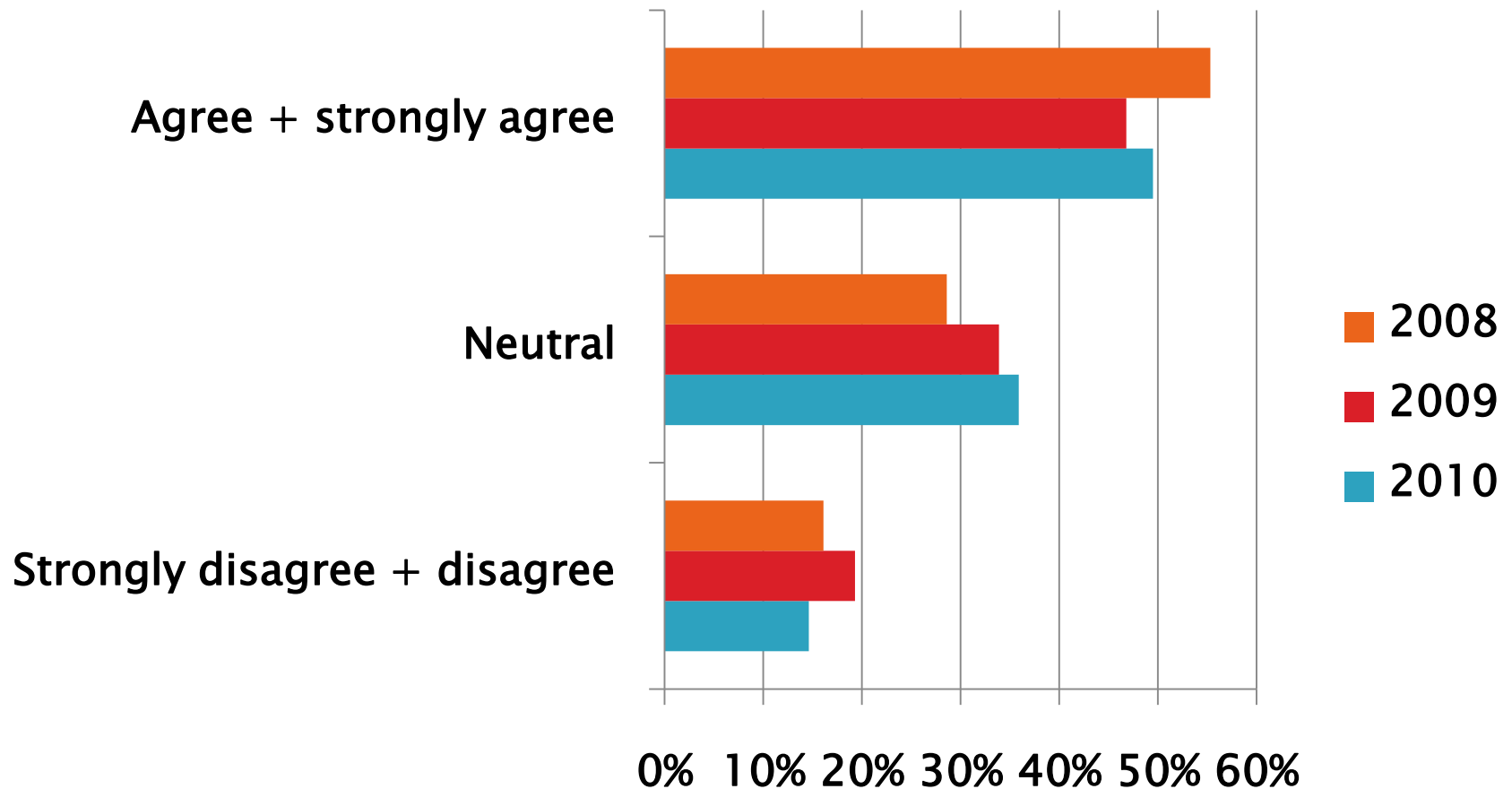
# Instructor use of IT in courses: Provide adequate training for IT used in courses



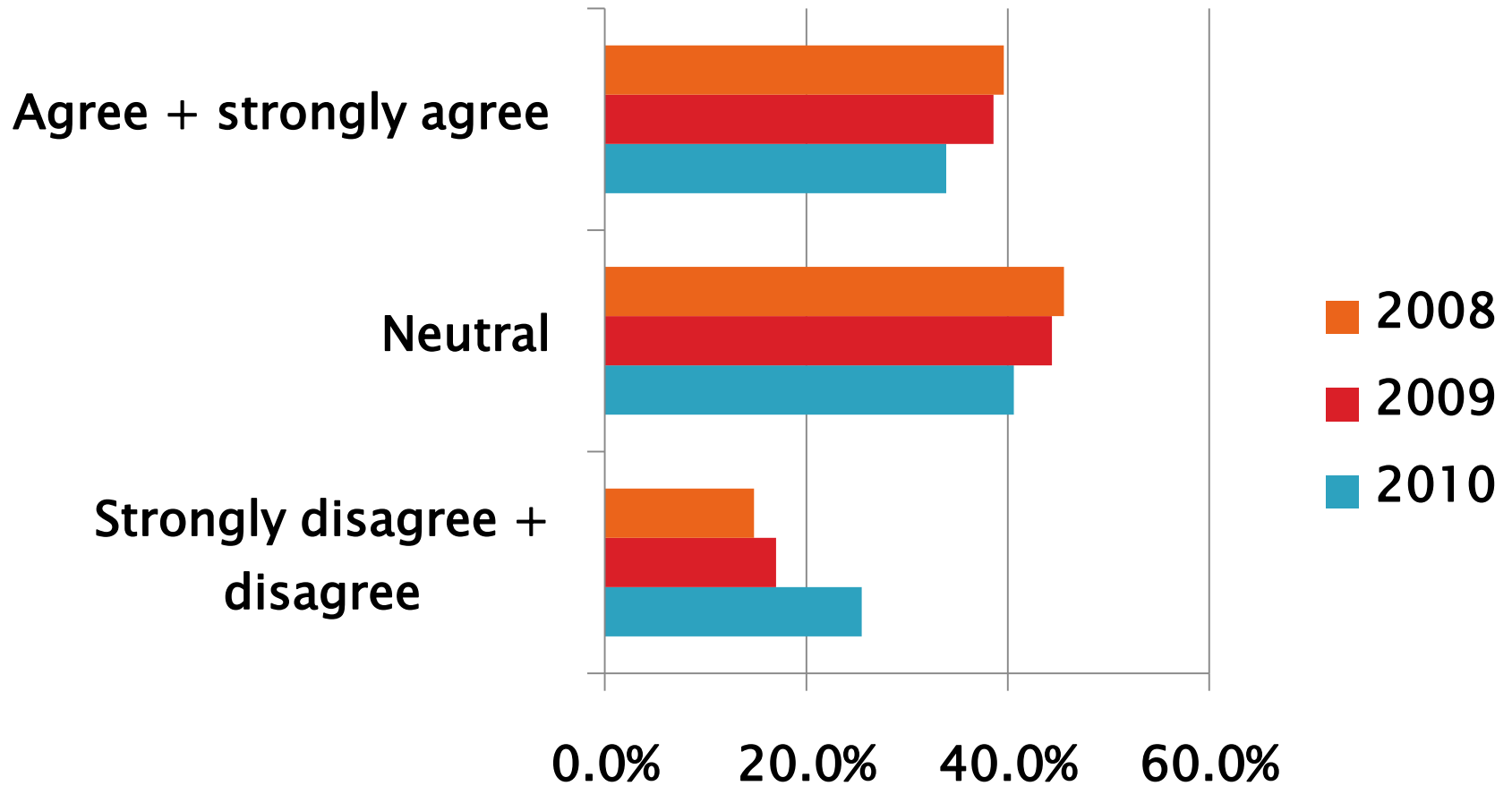
## 2010 addition: Instructor use of IT in courses: Instructors have adequate IT skills for carrying out course instruction



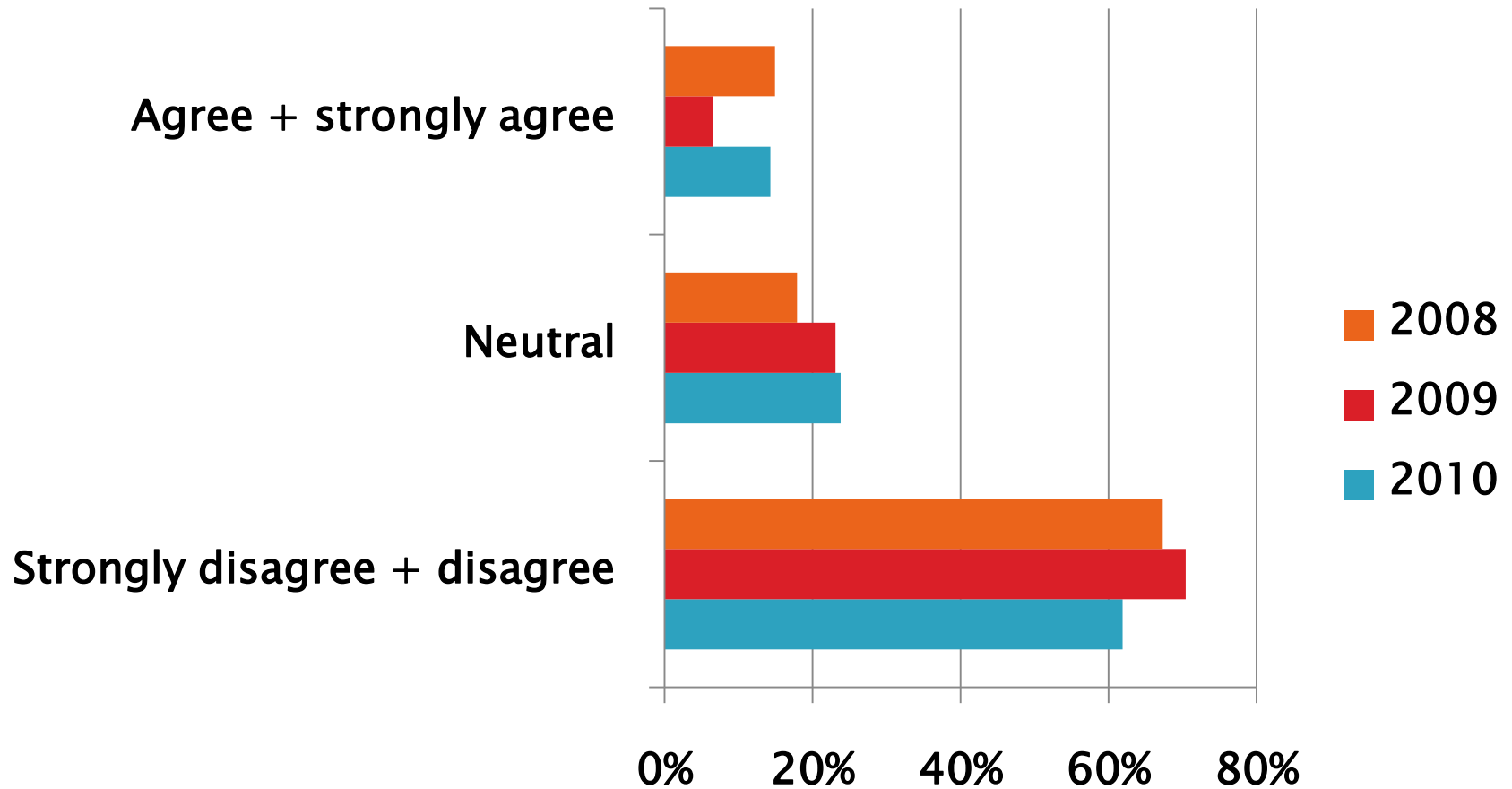
“My institution’s IT services are always available when I need them for my course work.”



# “I get more actively involved in courses that use IT.”



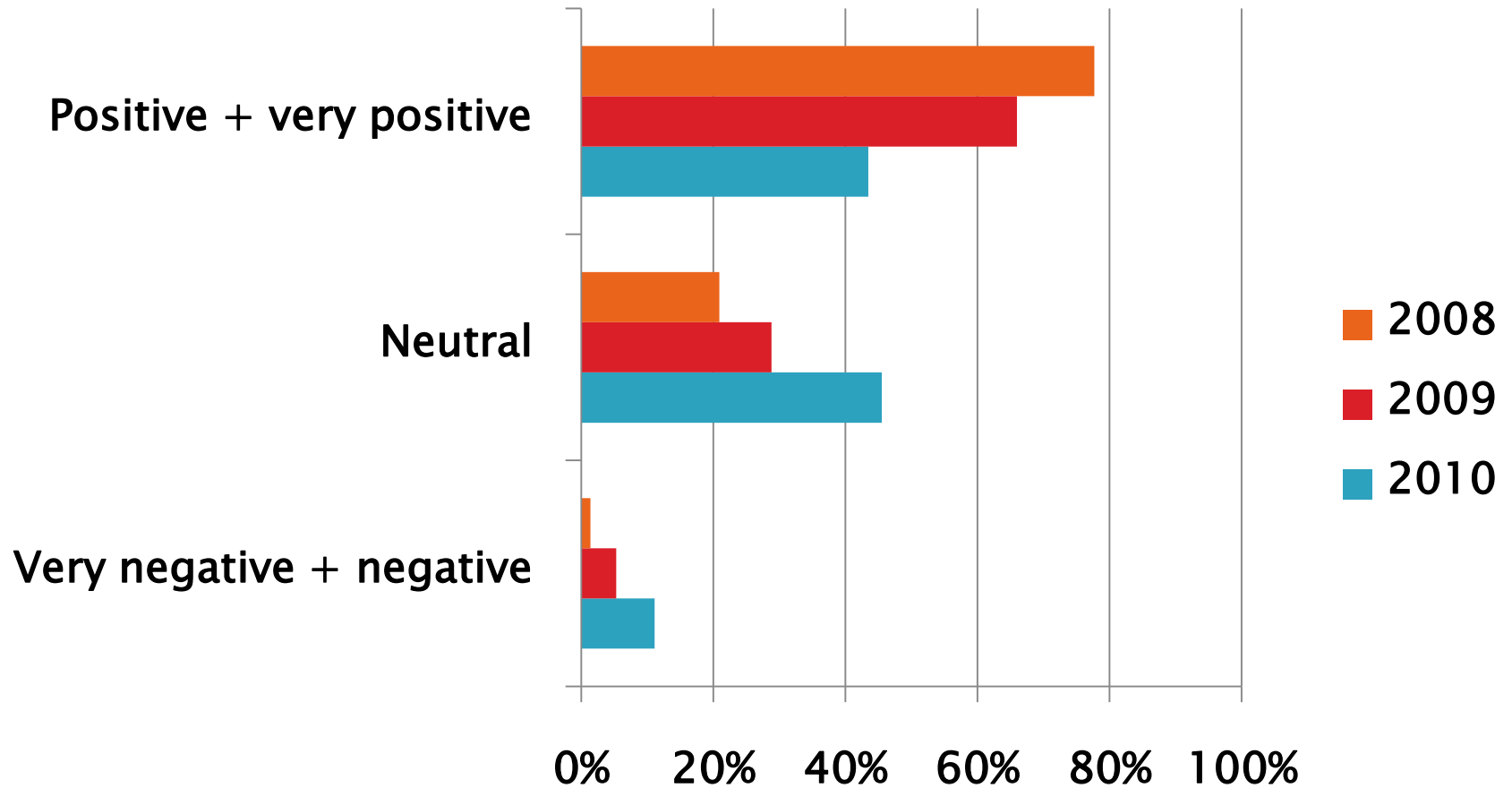
# “I skip classes when materials from course lectures are available online.”



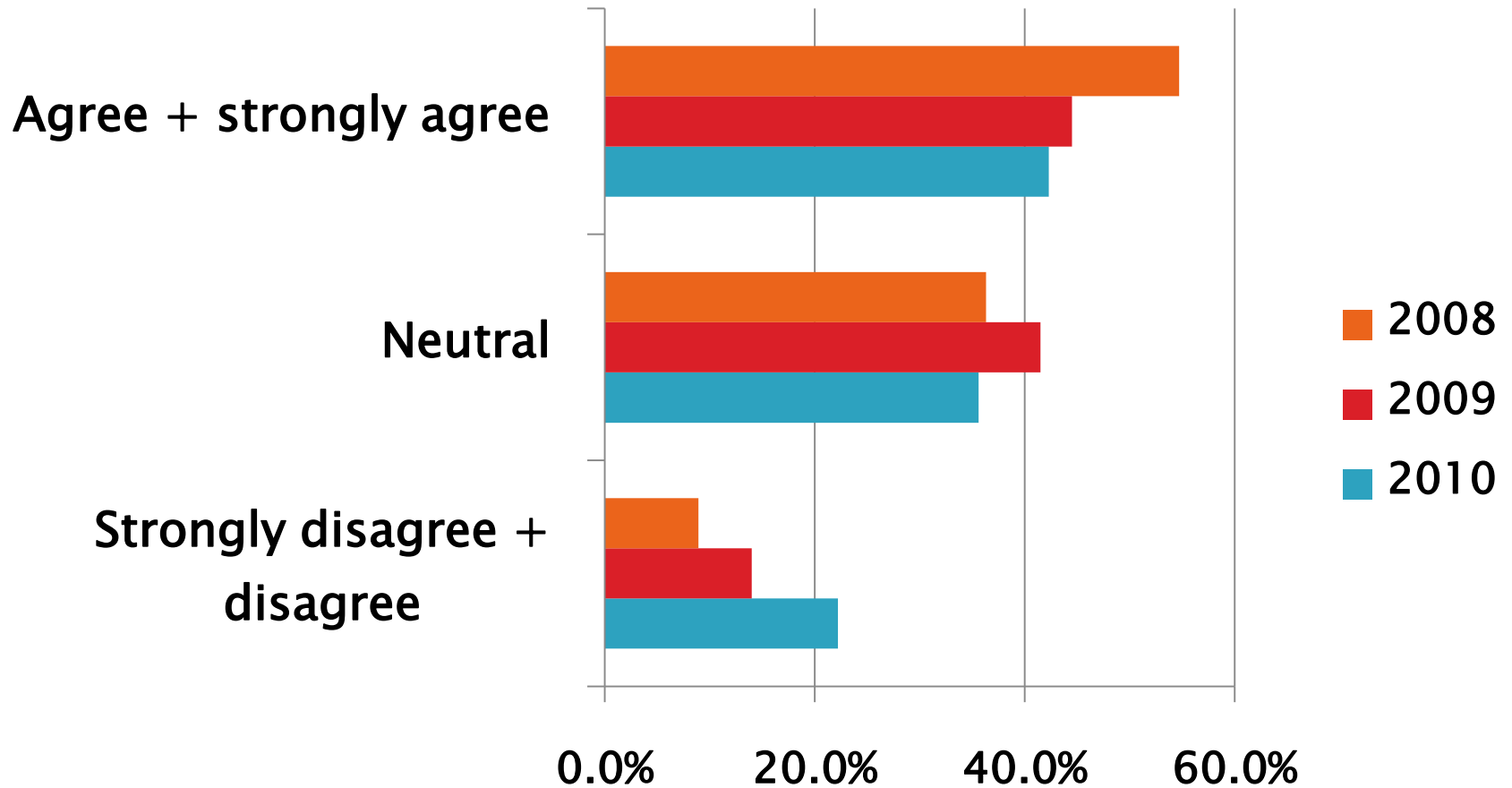
# Course Management Systems

- ▶ 59.4% UNCP students using semester of survey
- ▶ 76.4% use CMS several times per week or daily
- ▶ 29.5% had some entirely online courses semester of survey (8.6%, all online courses)
- ▶ 31% described themselves as being very skilled or expert in using CMS
  - 42% fairly skilled
  - 27% not very or not at all skilled

# Overall experiences using a CMS

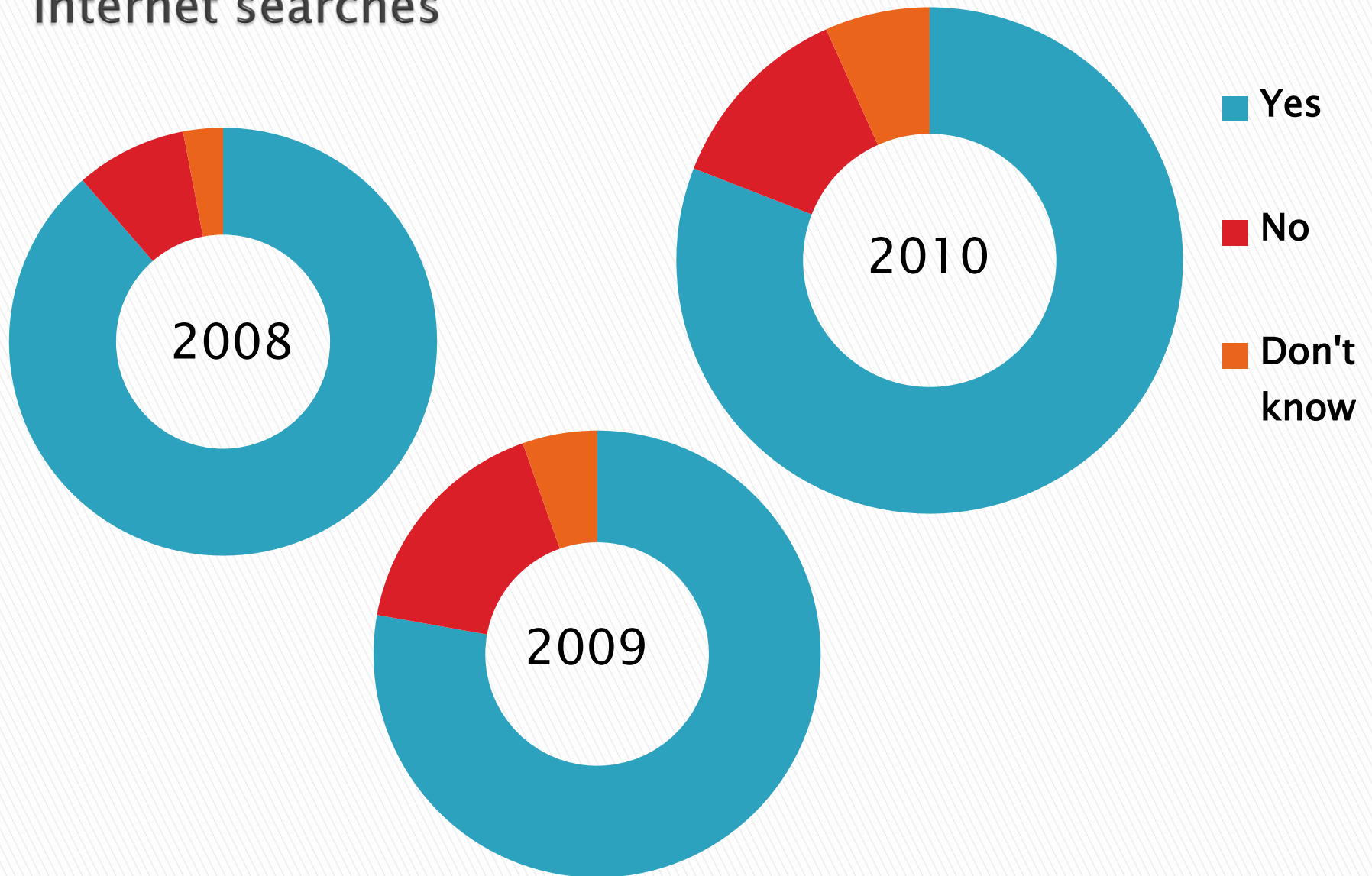


# “The use of IT in my courses improves my learning.”

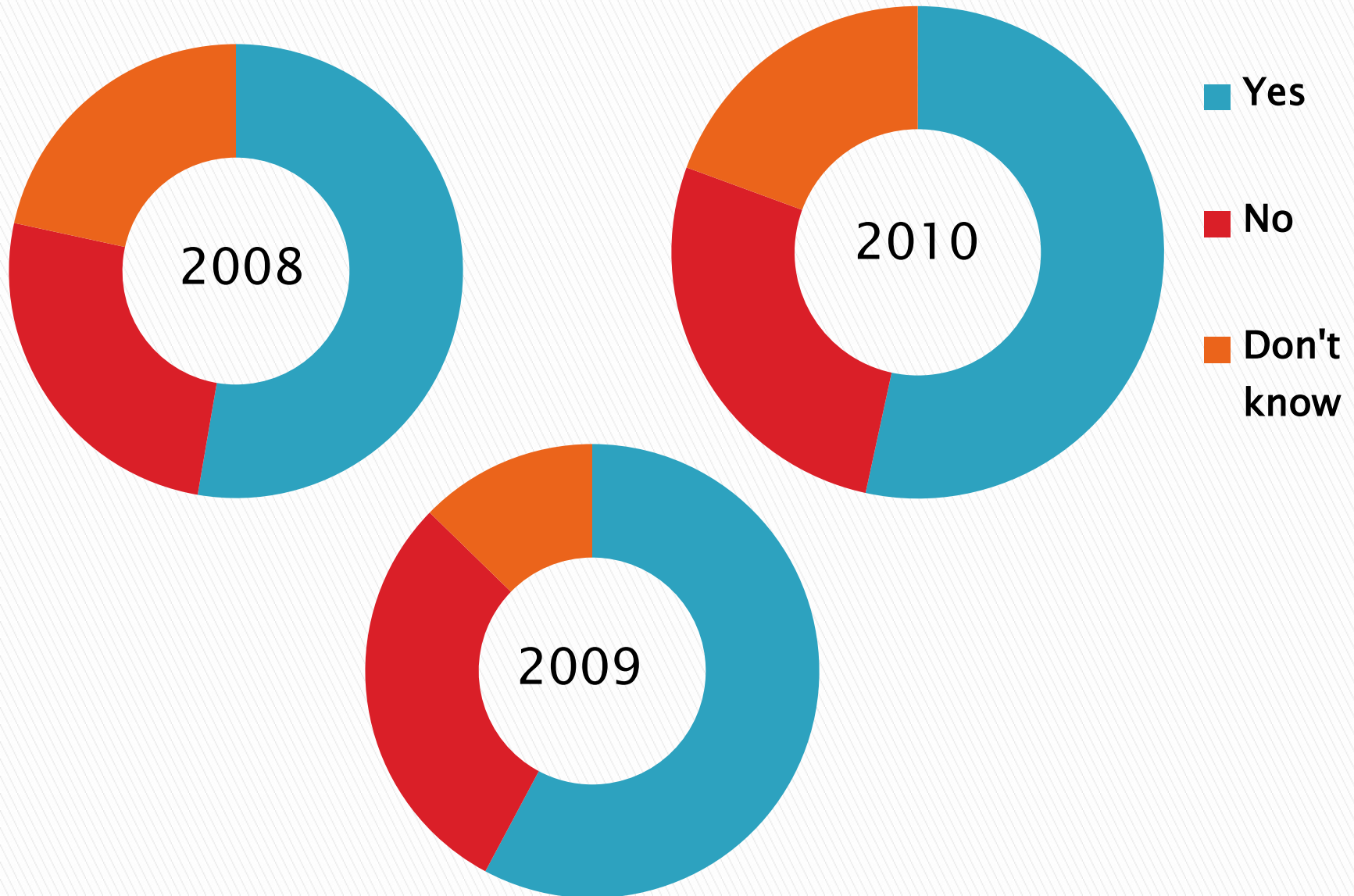




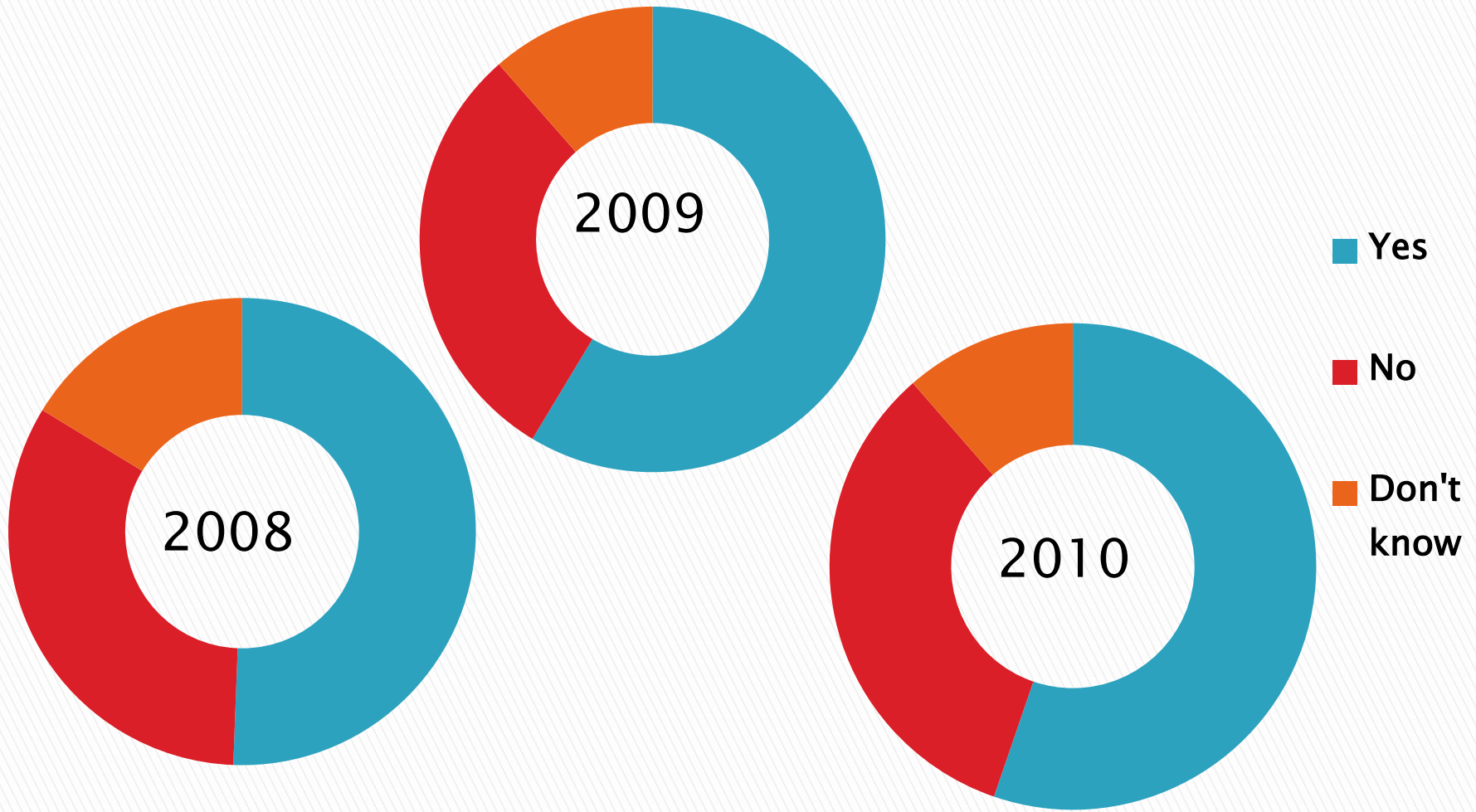
# How students like to learn with technology: Internet searches



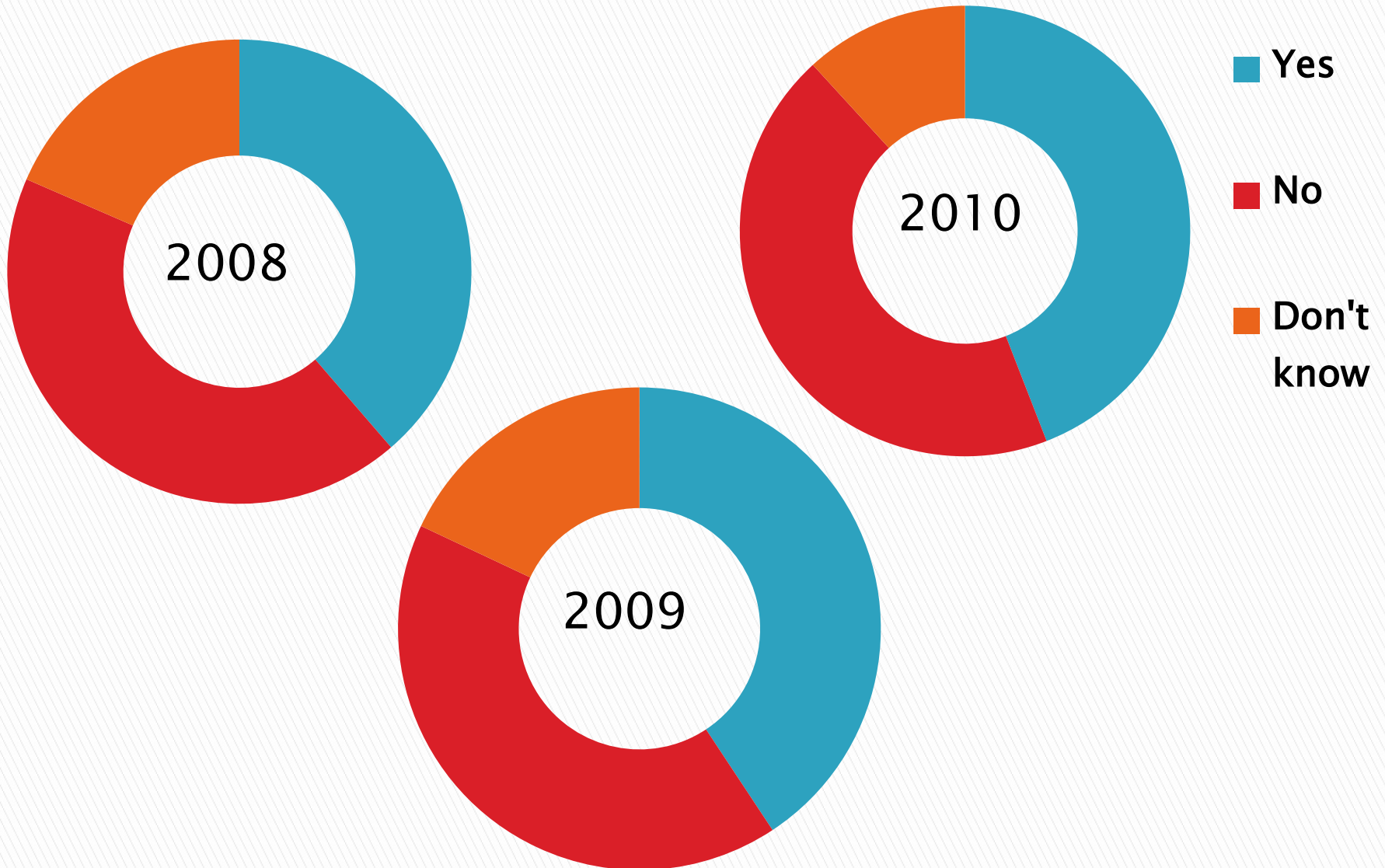
# How students like to learn with technology: Programs I can control such as video games, simulations, etc.



# How students like to learn with technology: Text-based conversations over email, IM, & text messaging

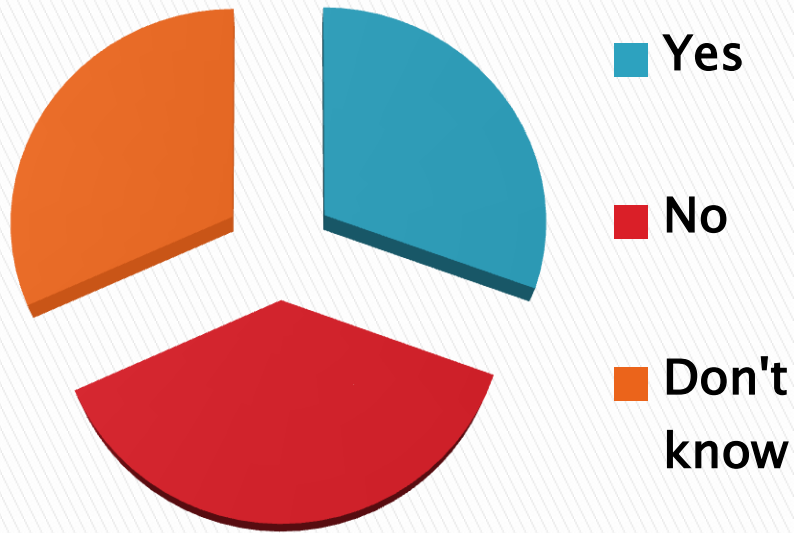


# How students like to learn with technology: Contributing to websites, blogs, wikis, etc.



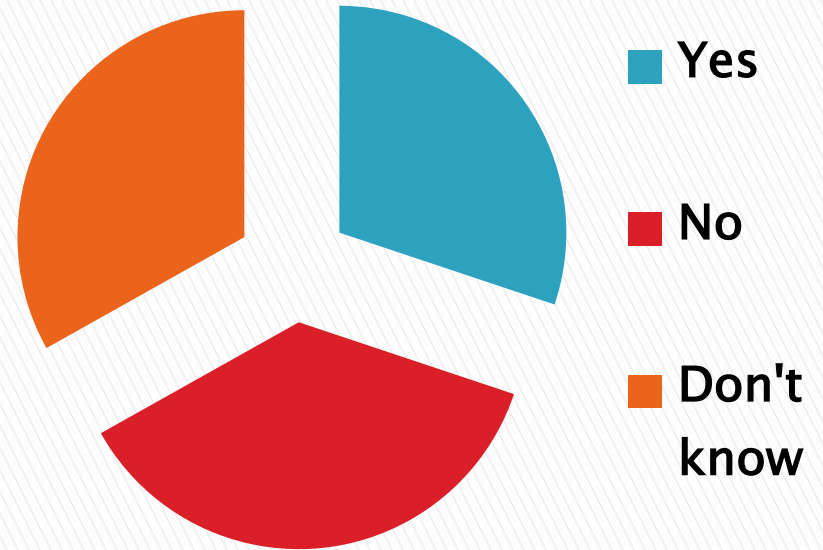
# 2008 & 2009: Students who like to learn by creating/listening to podcasts or webcasts

## Creating or listening to podcasts or webcasts



2008

## Creating or listening to podcasts or webcasts

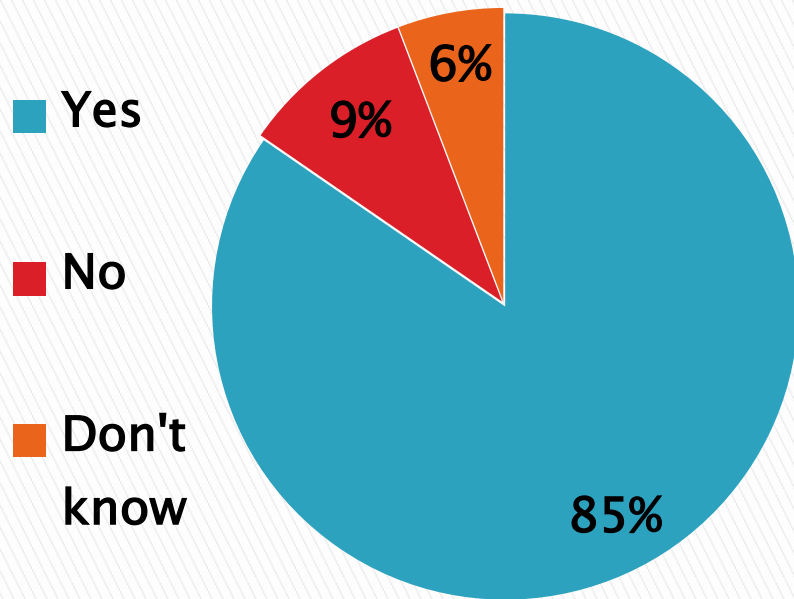


2009

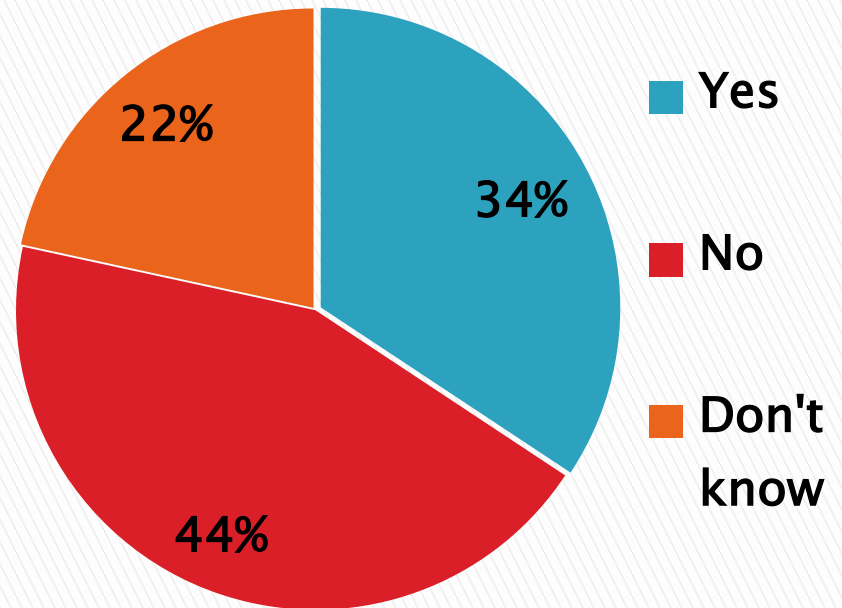
2010

Like to learn by listening/creating split into two questions

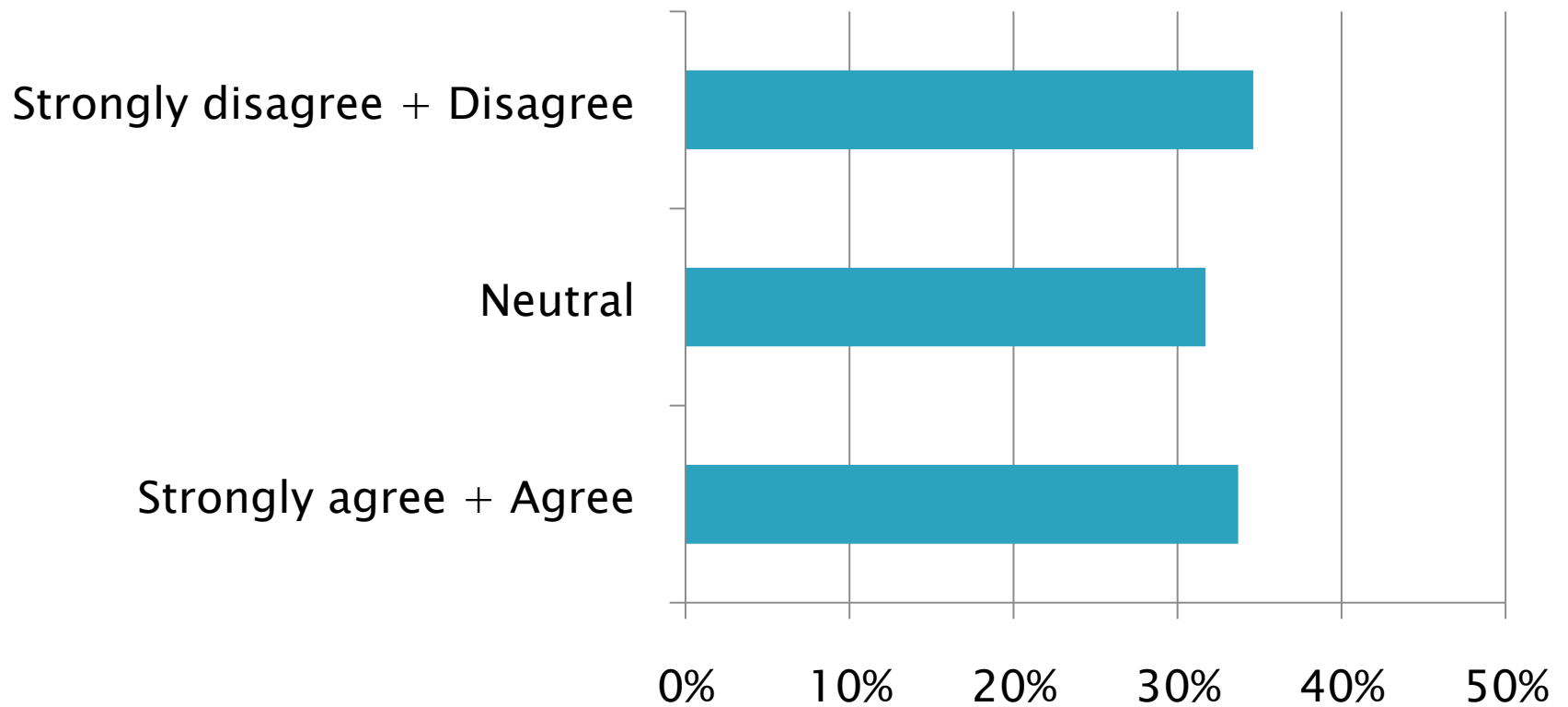
**Listening to audio or watching video content**



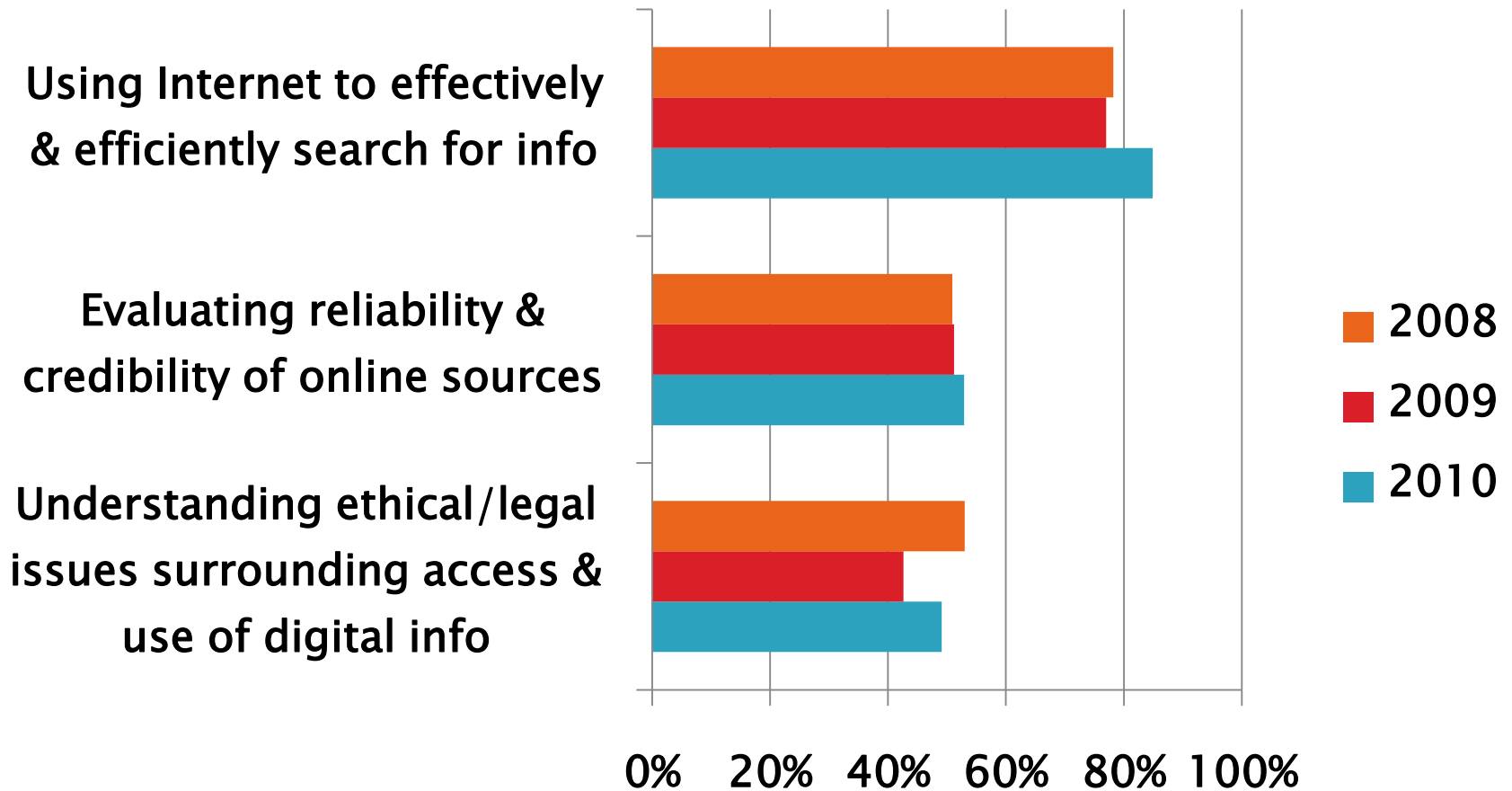
**Creating audio or video content**



New 2010 item: “When I entered college, I was adequately prepared to use IT as needed in courses.”

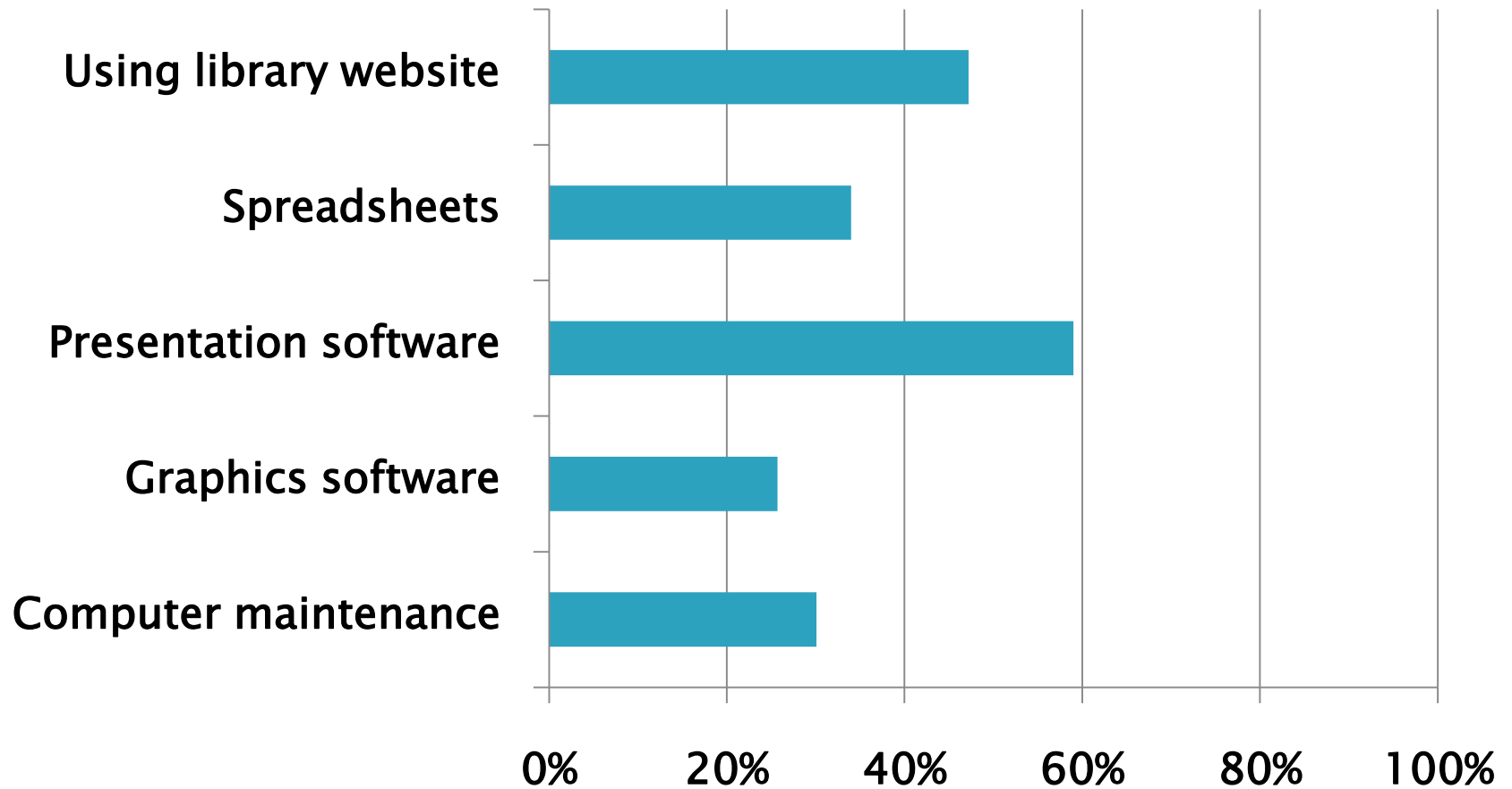


# Percent who view themselves as “very skilled” or “expert”

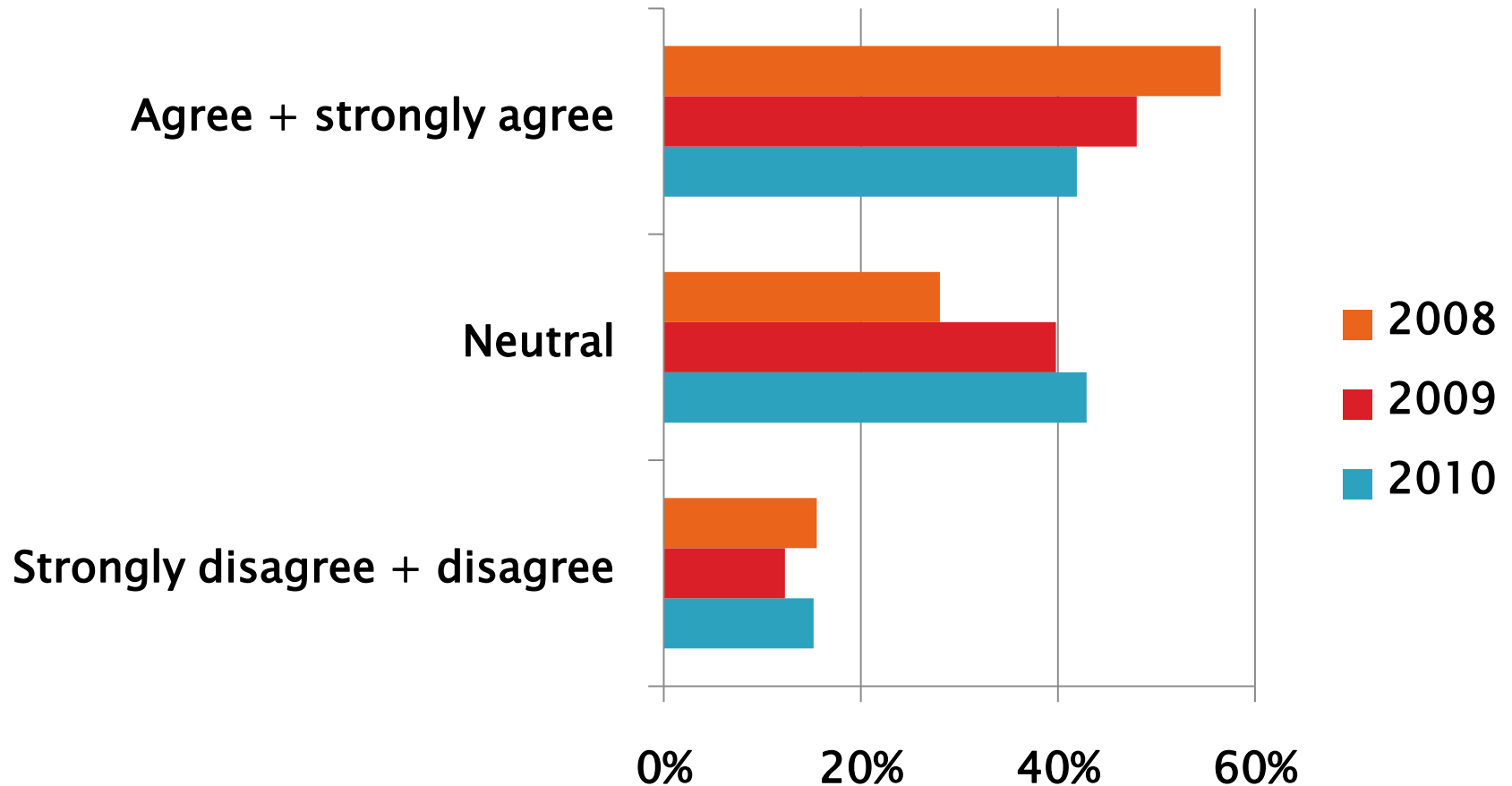




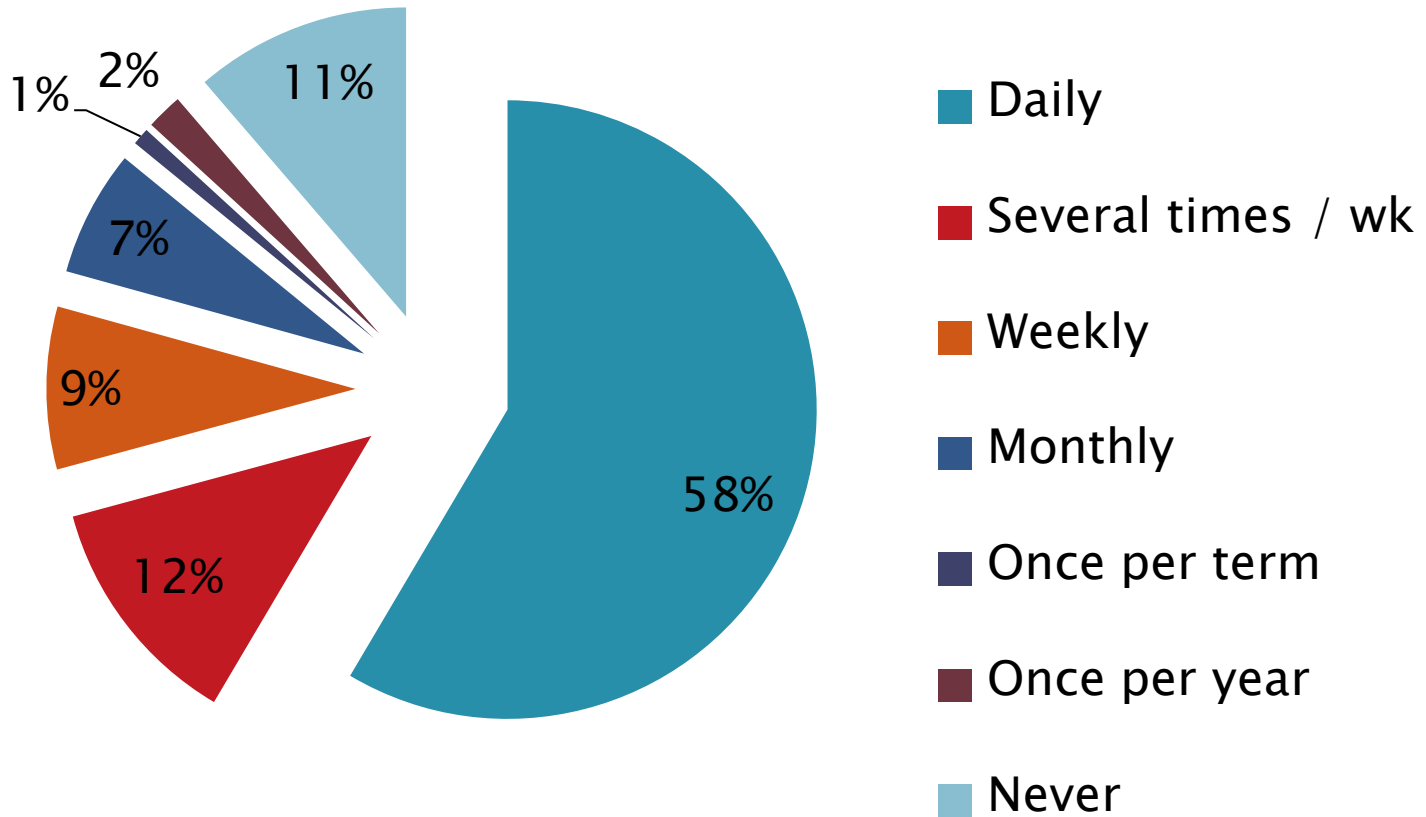
# Additional 2010 information on percent who view themselves as “very skilled” or “expert”



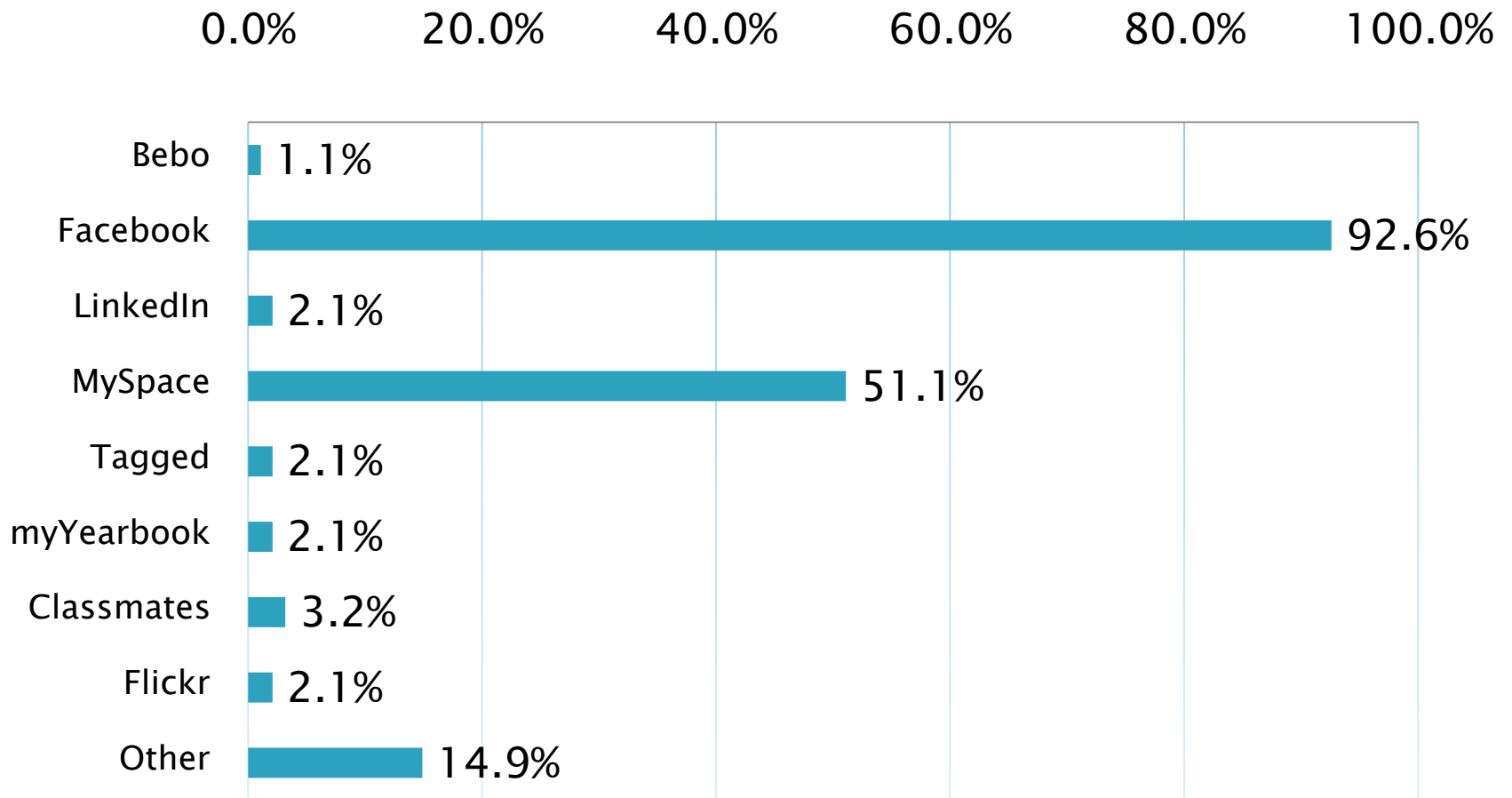
Student success: “By the time I graduate, the IT I have used in my courses will have adequately prepared me for the workplace.”



# Social networking sites: How often do you use?



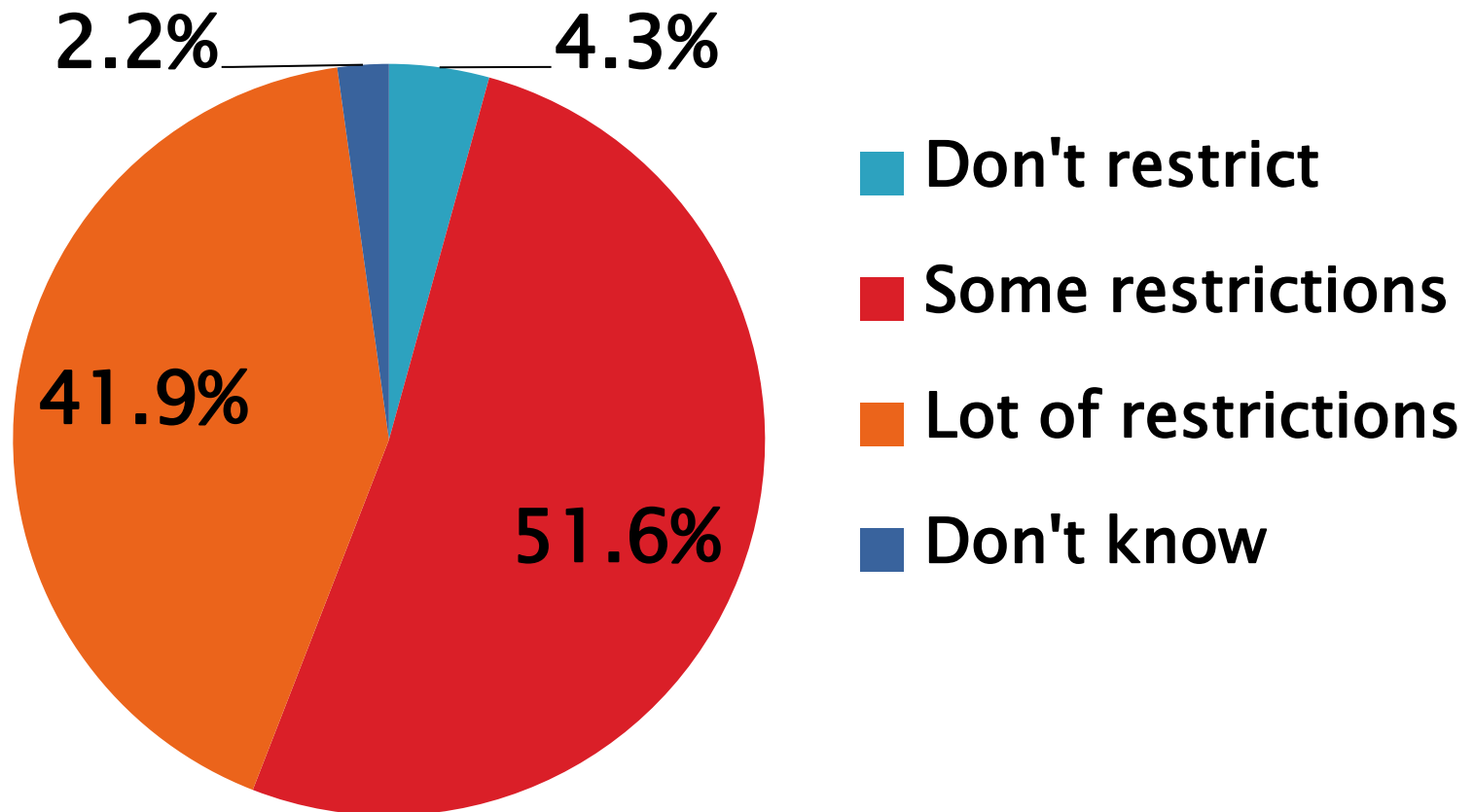
# Social networking sites: Which one(s) do you use?



# Social networking sites: How do you use?

Use	Yes UNCP	Yes Other 4 yr.
Stay in touch with friends	95.7%	96.6%
Make new friends I have never met in person	39.4%	15.5%
Find out more about people (I may or may not have met)	56.4%	54.1%
As a forum to express my opinions and views	40.4%	27.4%
Share photos, music, videos, or other work	79.8%	73.1%
For professional activities (job networking, etc.)	17.0%	20.8%
Participate in special-interest groups	28.7%	22.2%
Plan or invite people to events	39.4%	52.6%
Play games	47.9%	26.2%
Follow/interact w/ my university's social/extracurricular activities	46.8%	37.4%
Use/communicate w/ university administrative services/offices	20.2%	6.2%
Communicate with classmates about course-related topics	59.6%	53.7%
Communicate with instructors about course-related topics	12.8%	7.2%
Other	21.3%	12.8%

# Social networking sites: Do you limit or restrict who has access to your profiles?



# Social networking sites and school

- ▶ Are any of your current or previous instructors among the people you've accepted as friends or contacts?
  - 39.8% said yes
- ▶ Would you like to see more use of social networking websites in your courses?
  - 40.6% said yes