



IPSDS Assessment Report #4

Post-course survey evaluation

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Post-course evaluation results (2016-2017)

6/29/2018

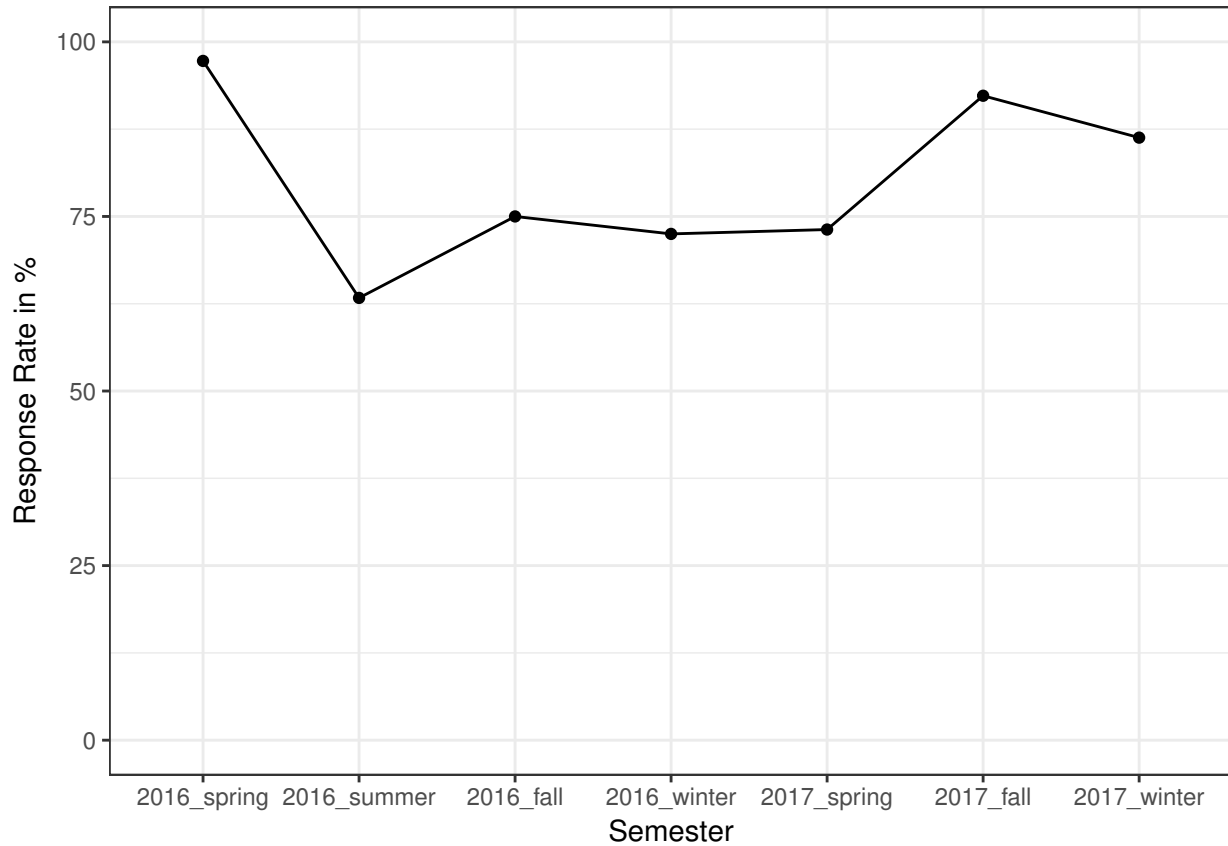
Goal of the report

The goal of this report is to present results of the post-course survey evaluations conducted within the period of March 2016-February 2018 covering 7 terms: spring 2016, summer 2016, fall 2016, winter 2016-2017, spring 2017, fall 2017, and winter 2017-2018. Special attention is given to such topics as student learning (including various forms of assignments), workload, interaction with the instructor(s) and other students, and technical challenges.

Data

The web-based self-administered survey was programmed in Qualtrics survey software. The questionnaire can be found *here*. Survey invitations including individualized URLs were sent to students via email at the end of each course. As surveys were conducted anonymously, it is not possible to identify individuals across the courses. The data includes 146 observations and 25 courses. The maximum number of participants within a course included 16 and the minimum number - 2 students. In total, there were 31 IPSDS students who attended course within the reported time period (1st cohort - 15 students, 2nd cohort joined from spring 2017 and included 16 students).

Average response rate for each semester is reported below:



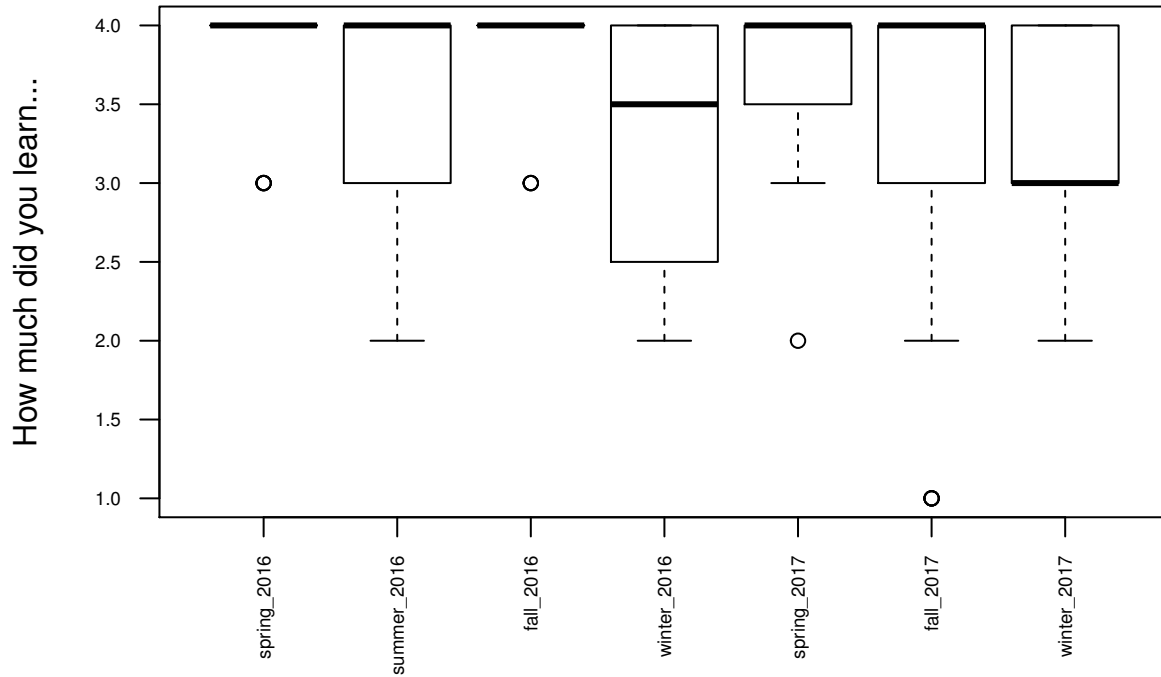
Review of questions asked in the post-course evaluations across the semesters

1. How much did you learn from this course? (1-Nothing 2-A little 3-Somewhat 4-A lot)

number of observations (n):

[1] 146

Boxplots for each semester



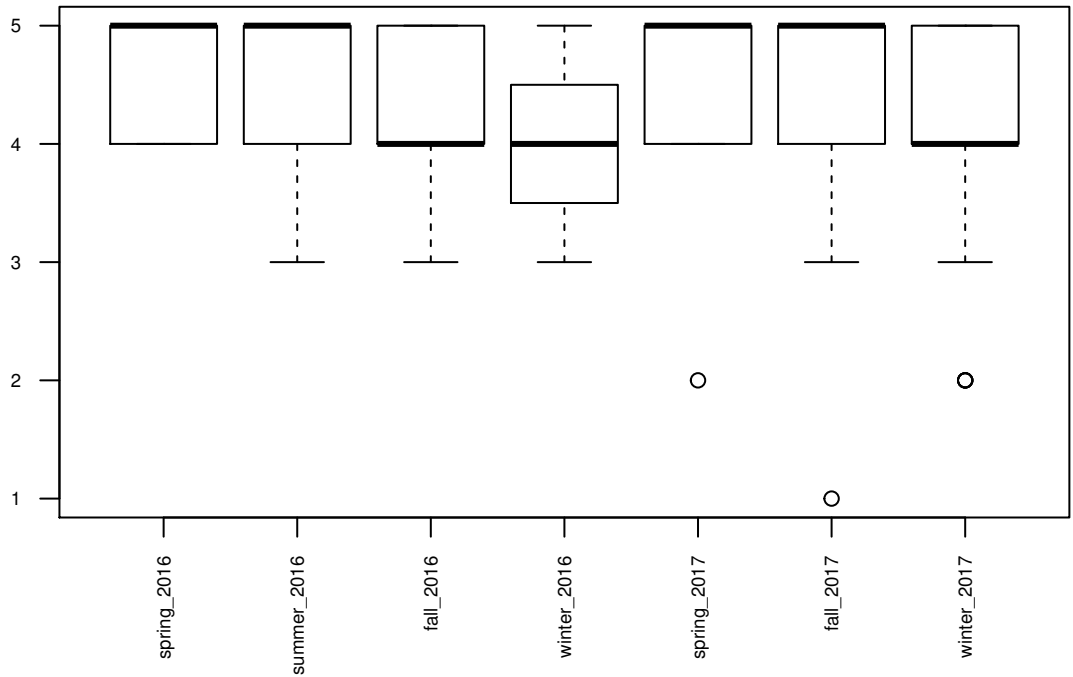
2. How would you describe the quality of teaching by the course instructor(s)? (1-Very poor 2-Poor 3-Fair 4-Good 5-Excellent)

number of observations (n):

[1] 146

Boxplots for each semester

How would you describe the quality of teaching...



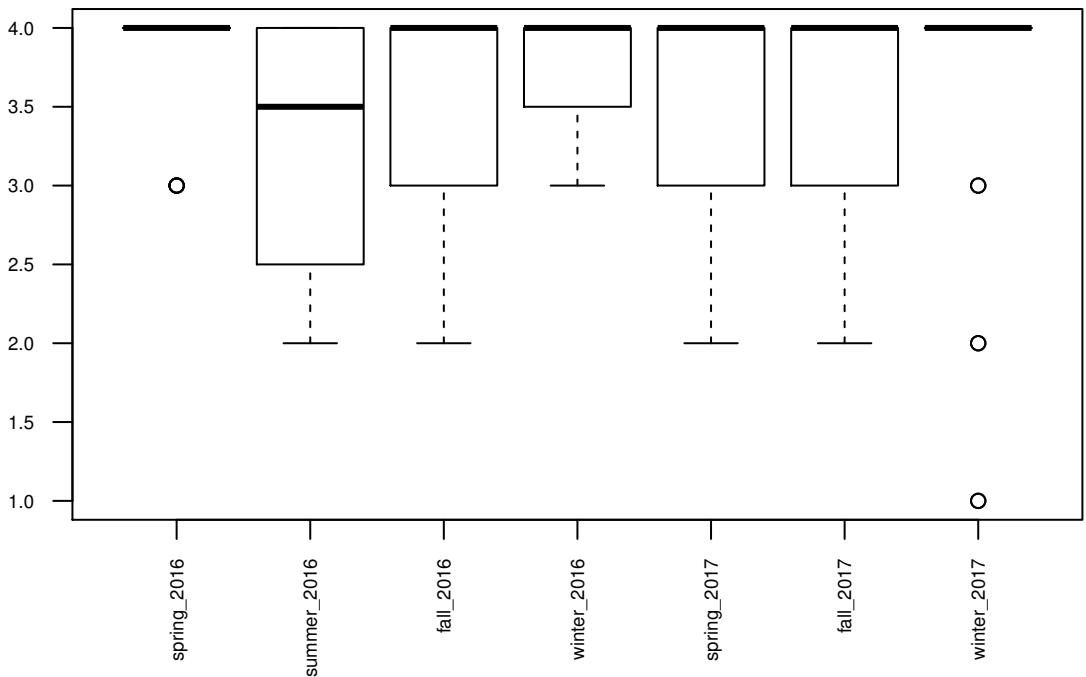
3. How clear were the course prerequisites described in the syllabus? (1-Not at all clear 2-Slightly clear 3-Somewhat clear 4-Very clear)

number of observations (n):

```
## [1] 143
```

Boxplots for each semester

How clear were the course prerequisites...

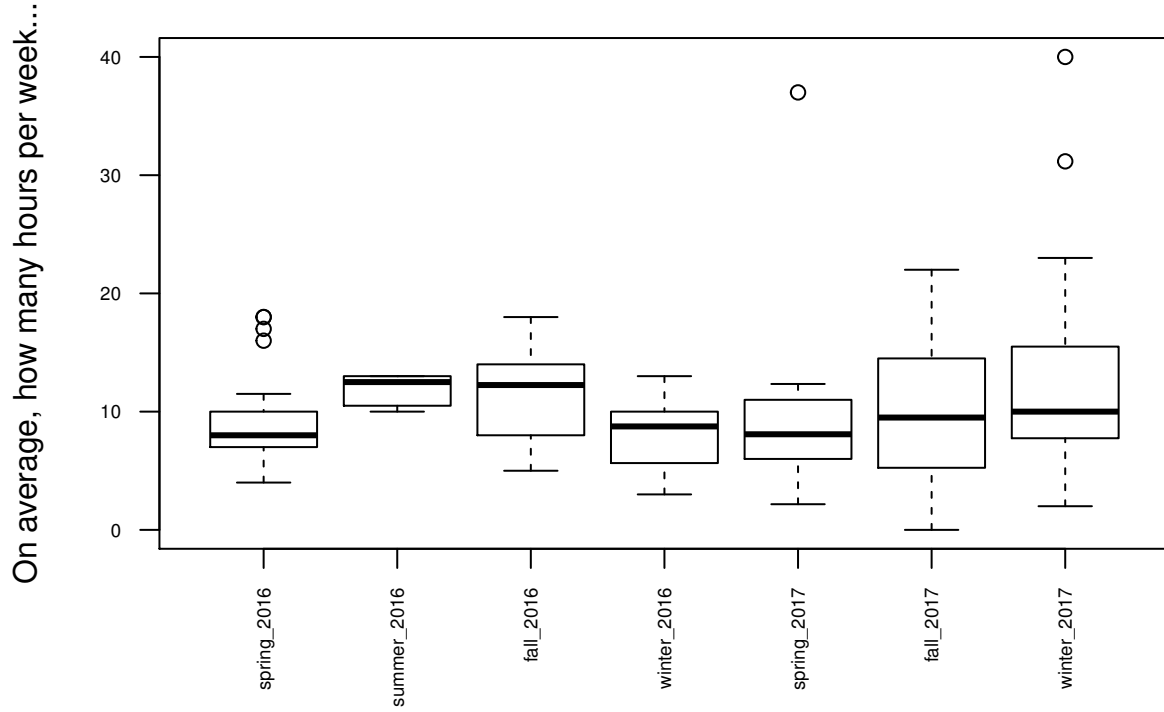


4. On average, how many hours per week did you spend on the activities below?

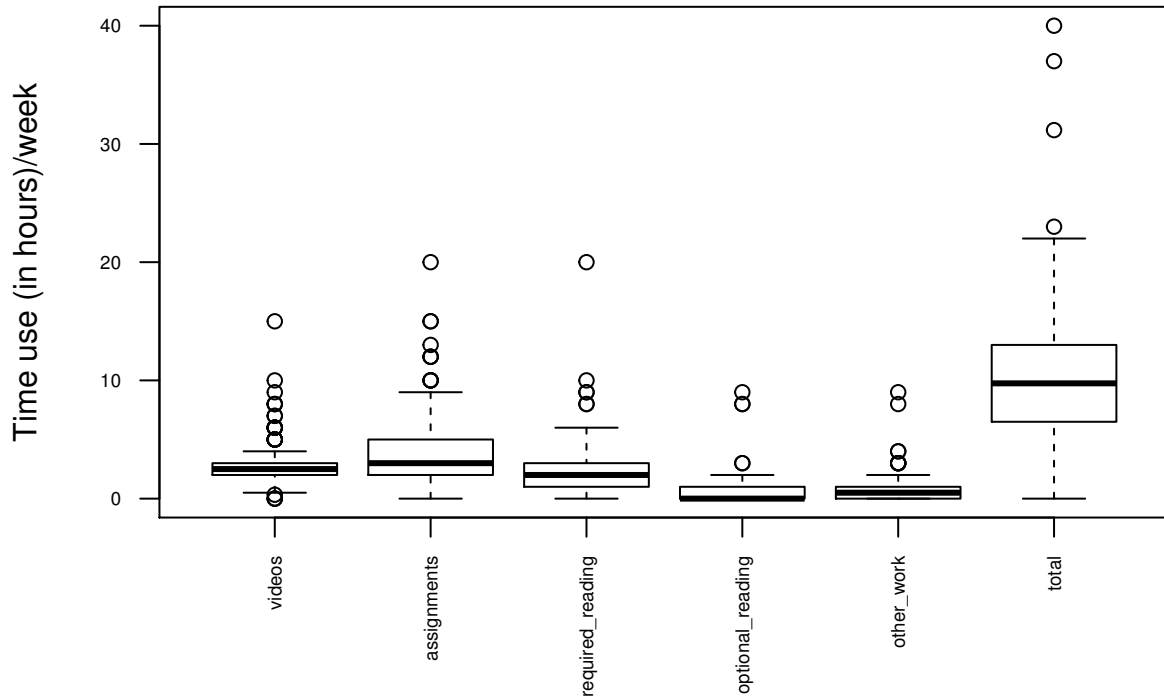
number of observations (n):

[1] 146

Boxplots for the total workload (in hours per week) for each semester



Boxplots for various types of course activities such as videos, assignments, required readings, optional readings, and other course work

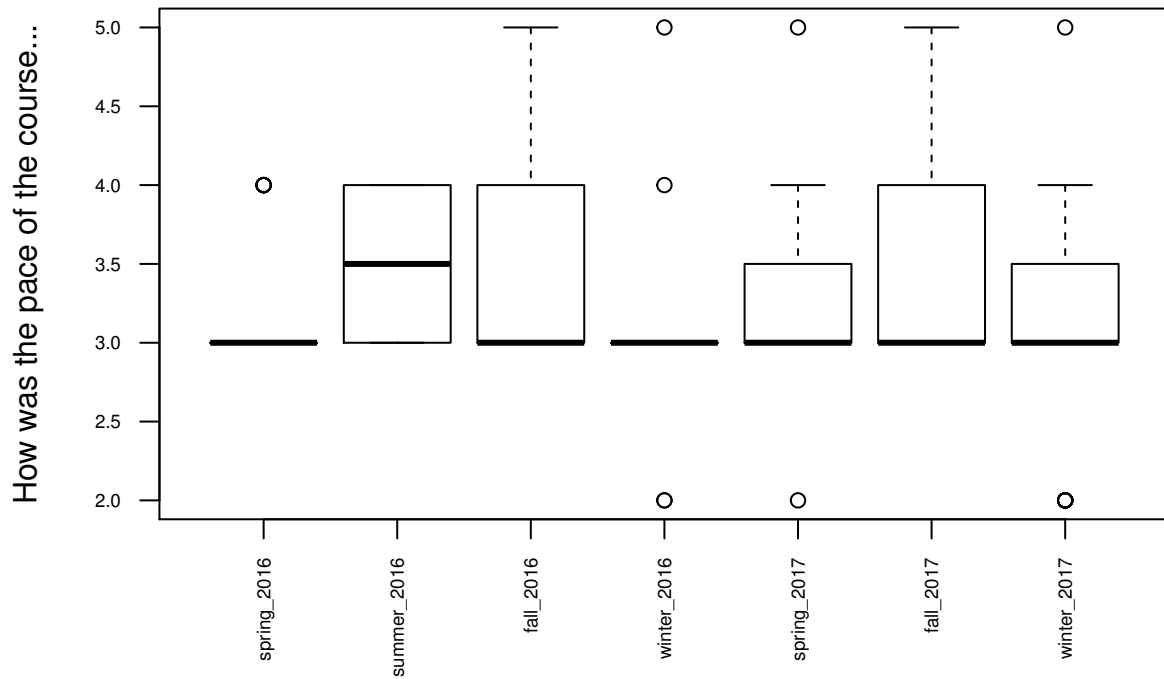


5. How was the pace of the course for you? (1-Very slow 2-Somewhat slow 3-Just right 4-Somewhat fast 5-Very fast)

number of observations (n):

[1] 145

Boxplots for the total workload (in hours per week)

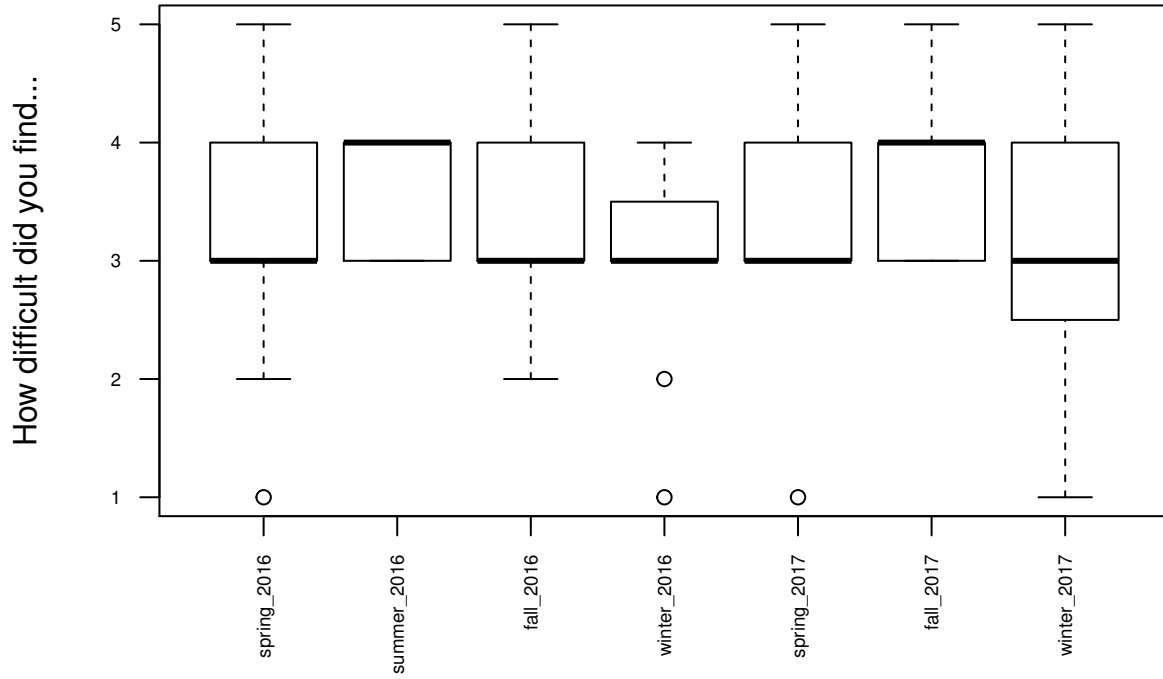


6. How difficult did you find the course material? (1-Very easy 2-Somewhat easy 3-Just right 4-Somewhat difficult 5-Very difficult)

number of observations (n):

[1] 145

Boxplots for each semester

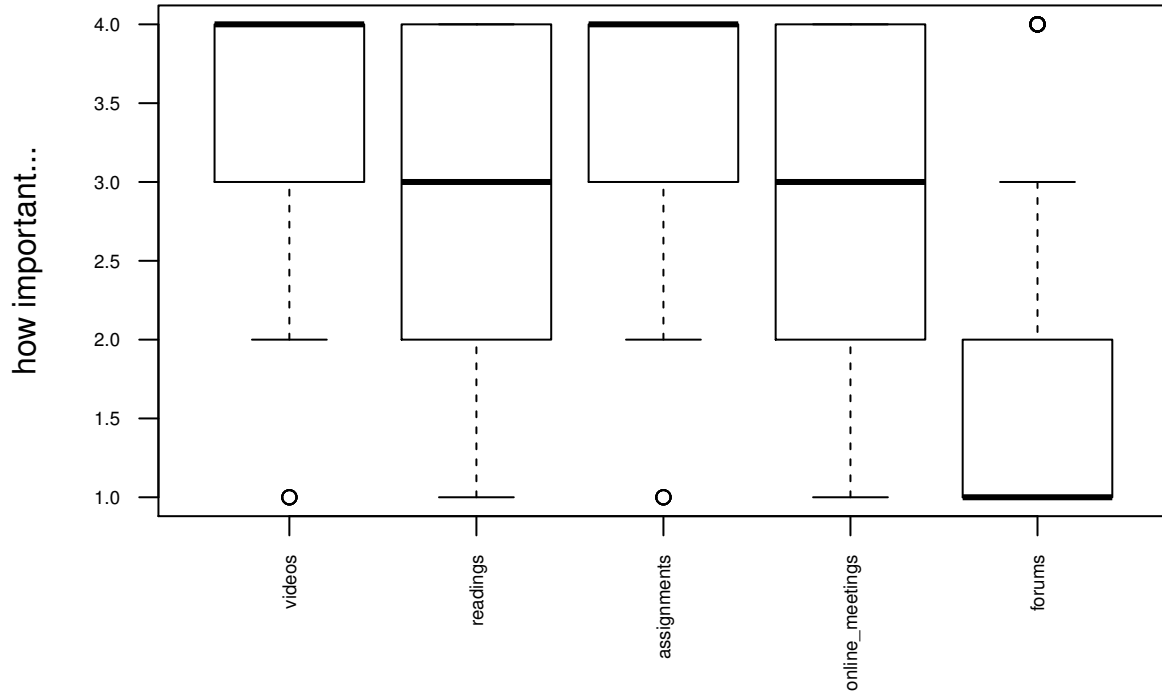


**7. How important were the following elements of the course in helping you learn the material?
(1-Not at all important 2-A little important 3-Somewhat important 4-Very important)**

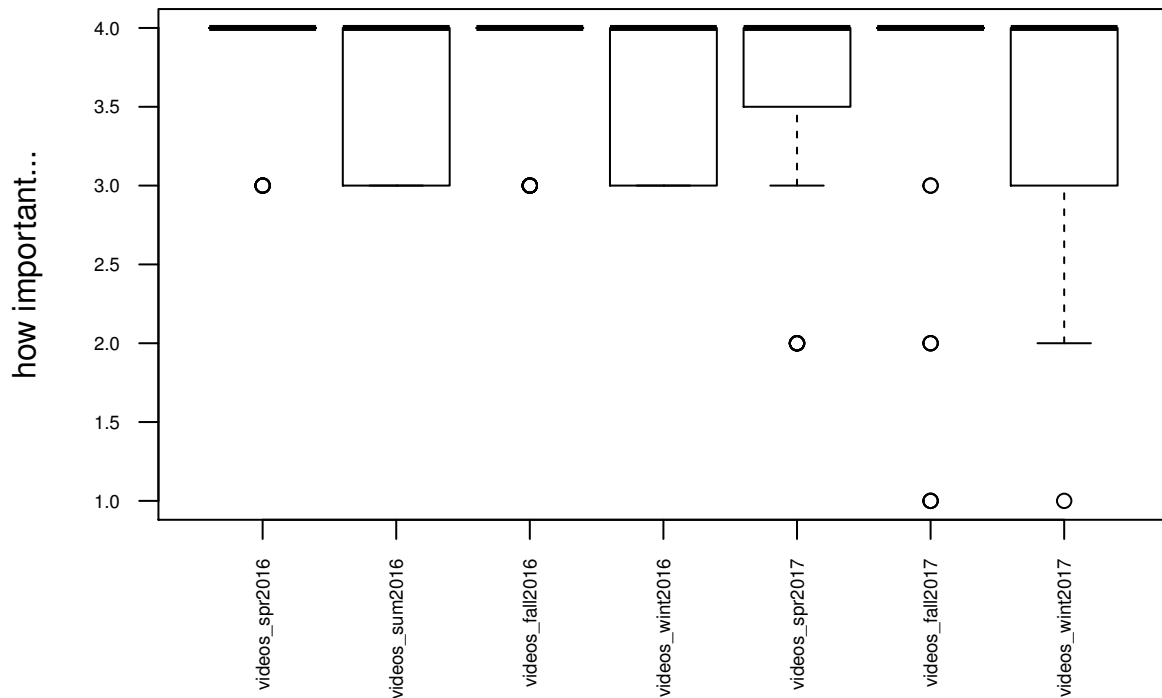
number of observations (n):

[1] 141

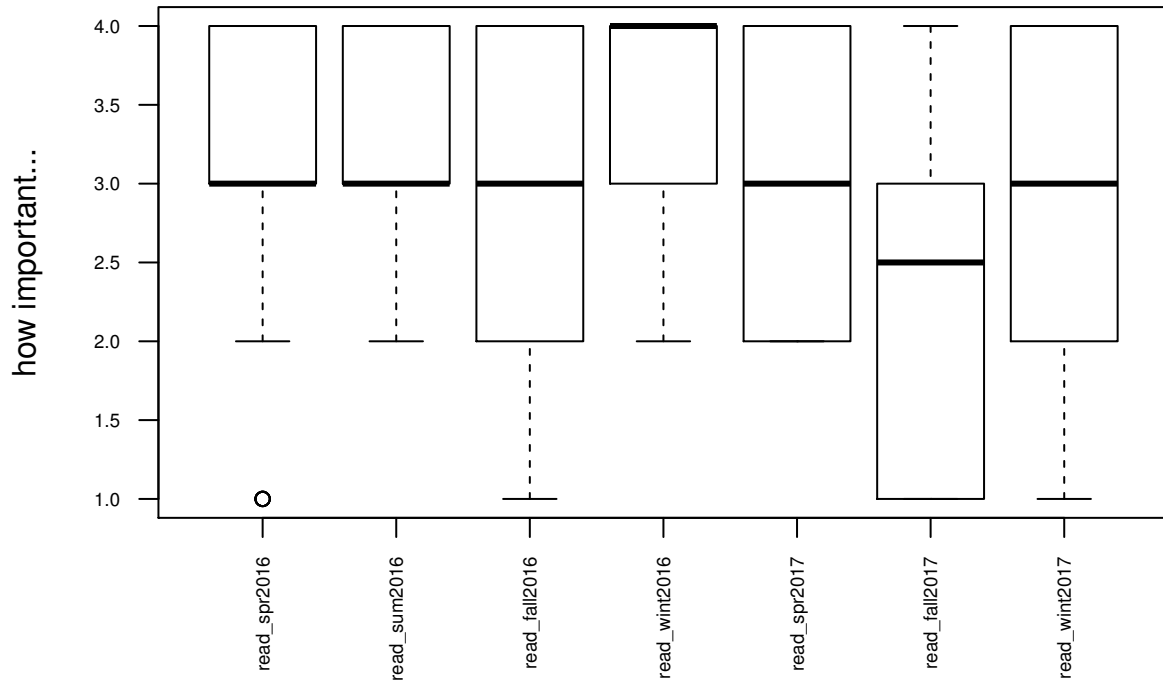
Boxplots for various types of course elements



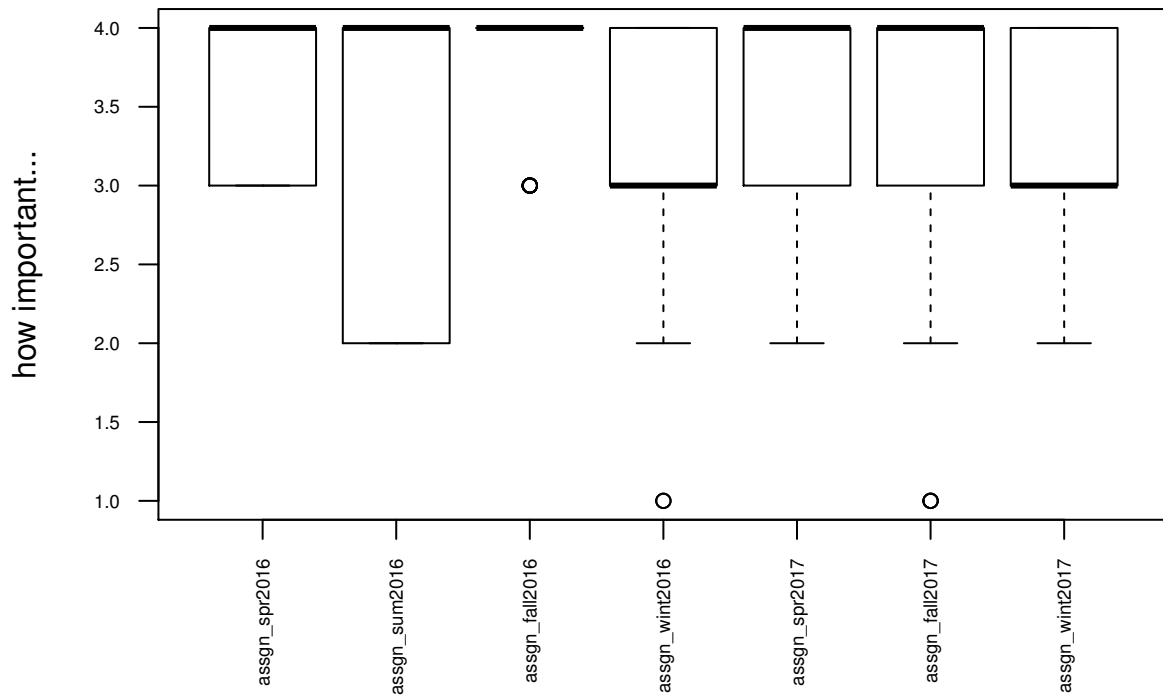
Boxplots for each semester: VIDEOS



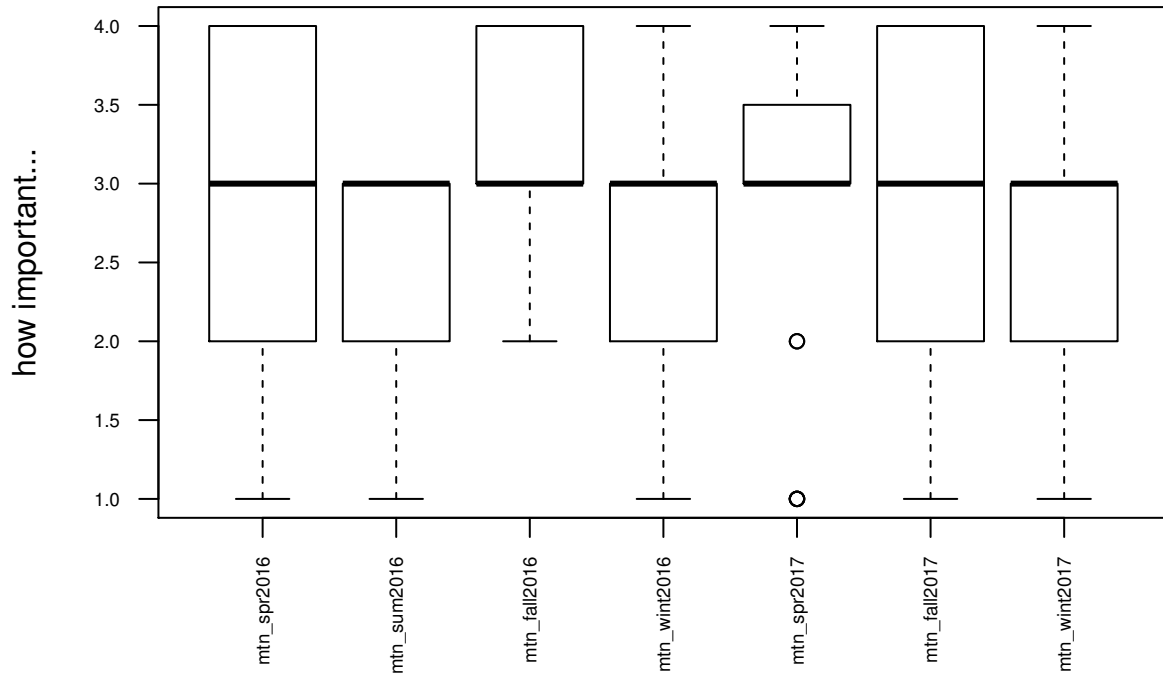
Boxplots for each semester: READINGS



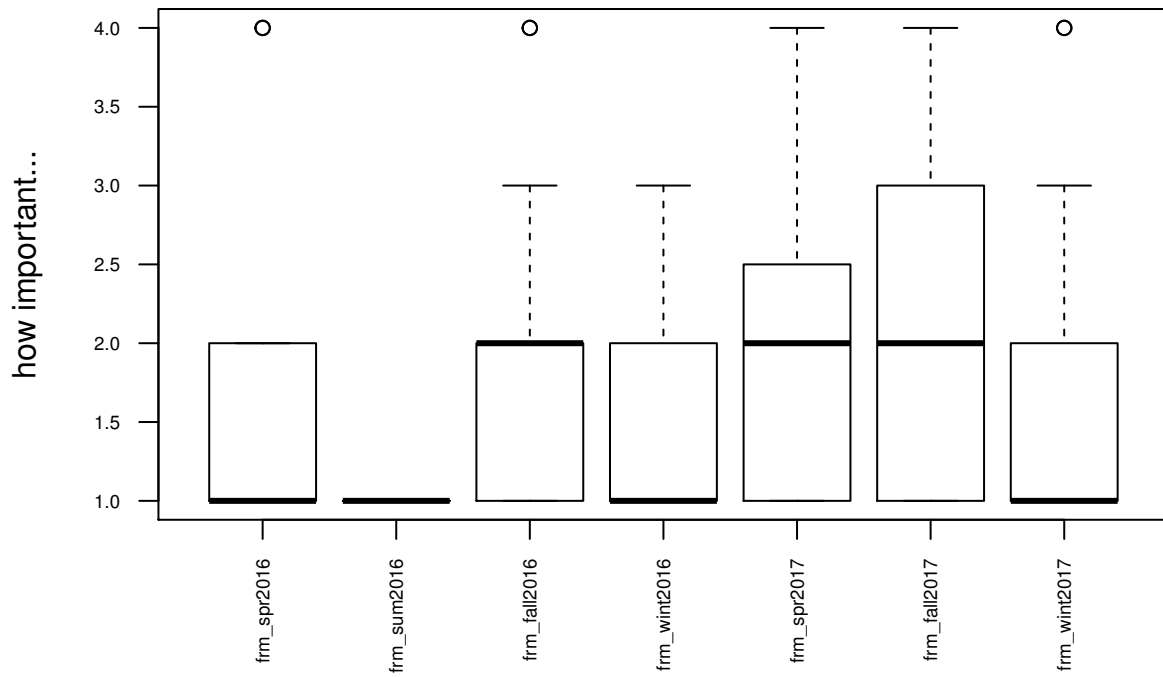
Boxplots for each semester: ASSIGNMENTS



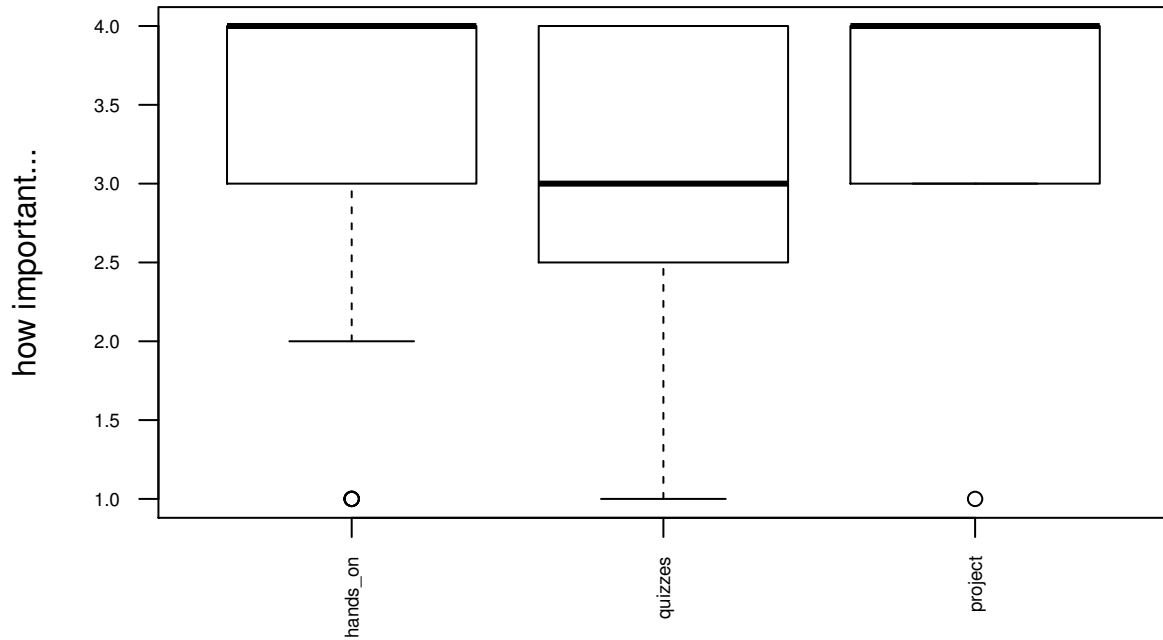
Boxplots for each semester: ONLINE MEETINGS



Boxplots for each semester: FORUMS



Boxplots: Comparison of various types of assignments - hands-on, quizzes, and project-based

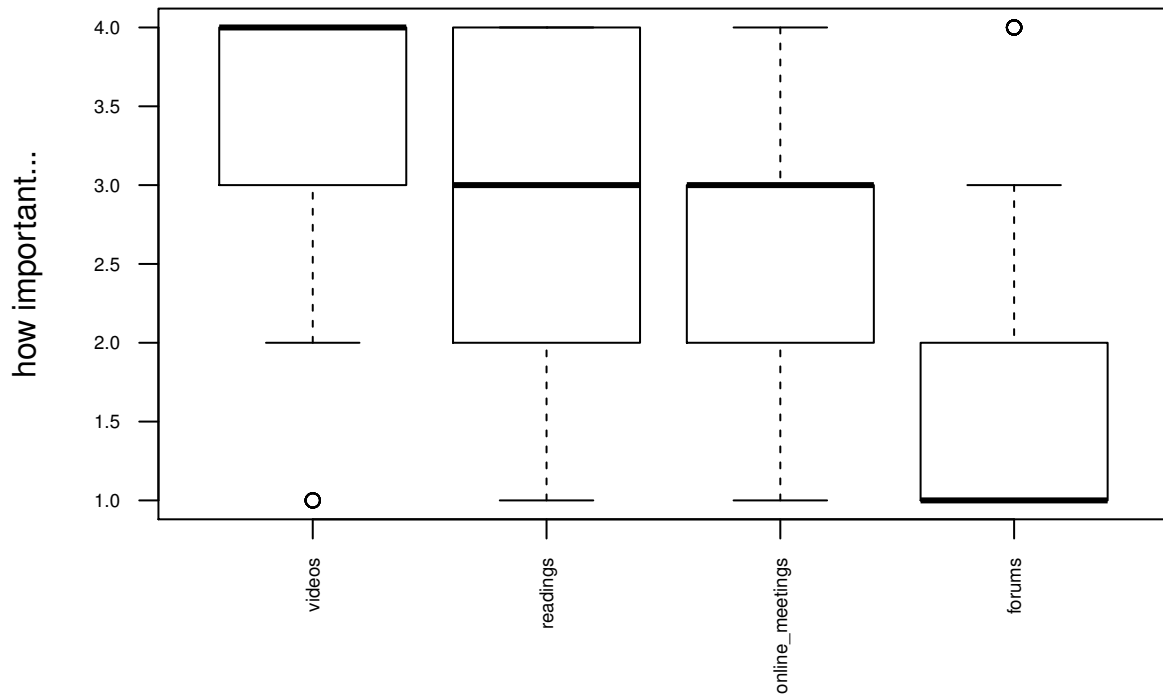


8. How important were the following elements of the course in helping you complete the graded assignments? (1-Not at all important 2-A little important 3-Somewhat important 4-Very important)

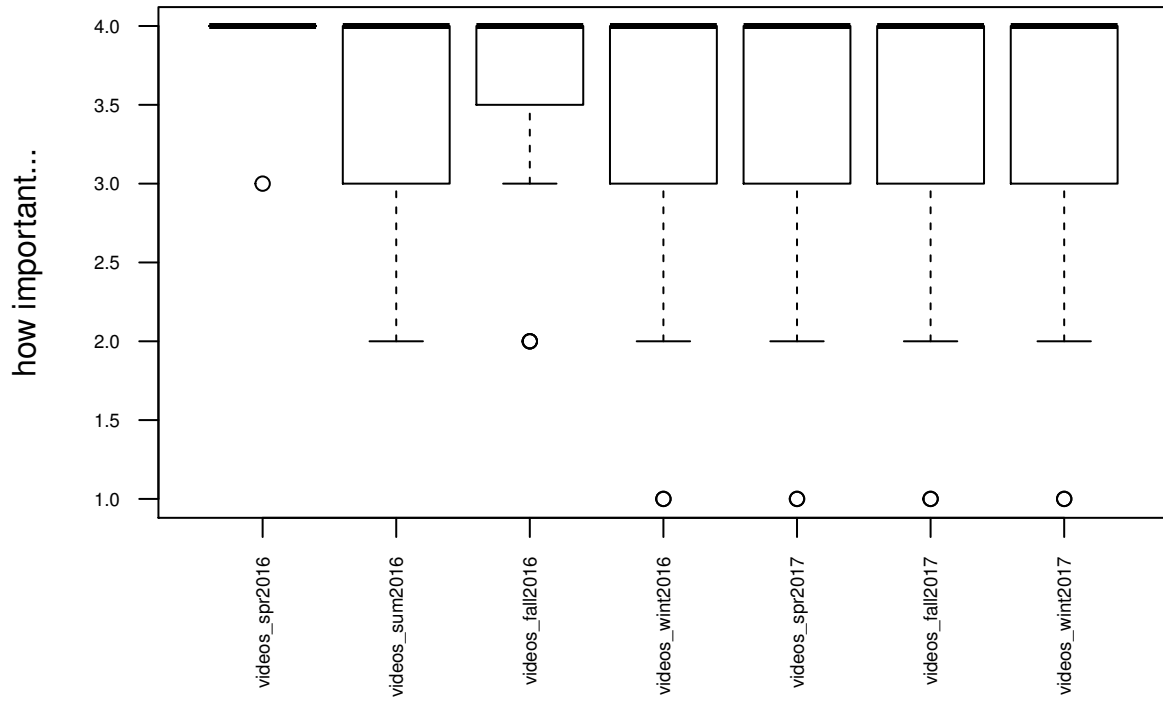
number of observations (n):

[1] 145

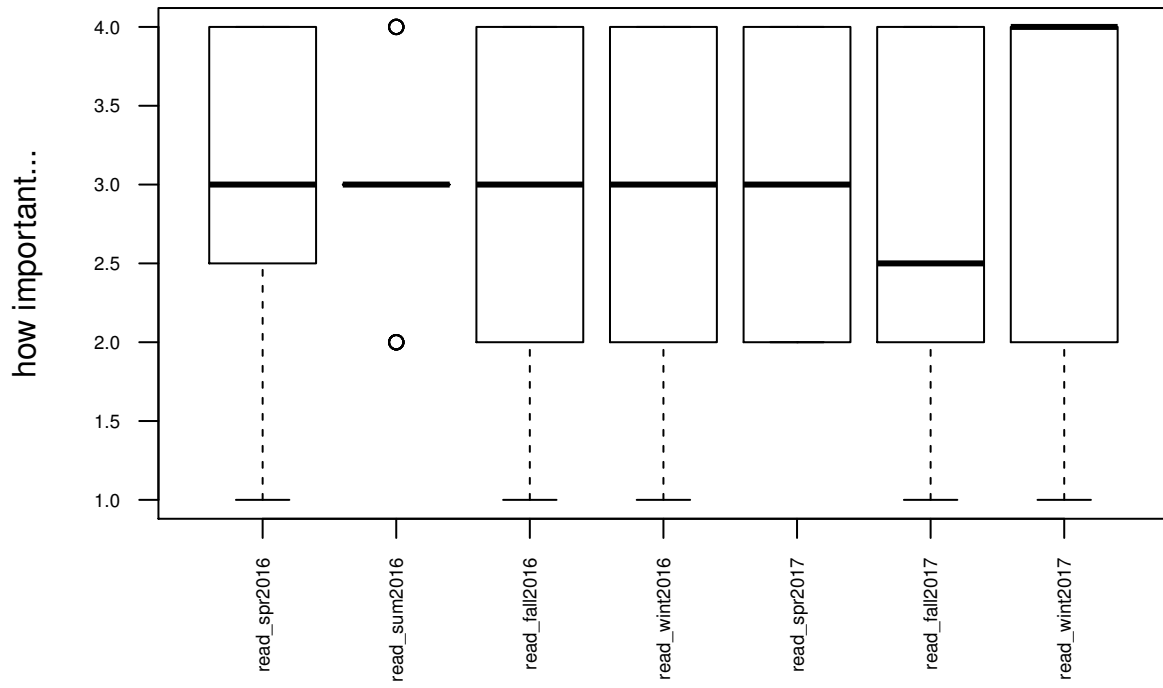
Boxplots for various types of course elements



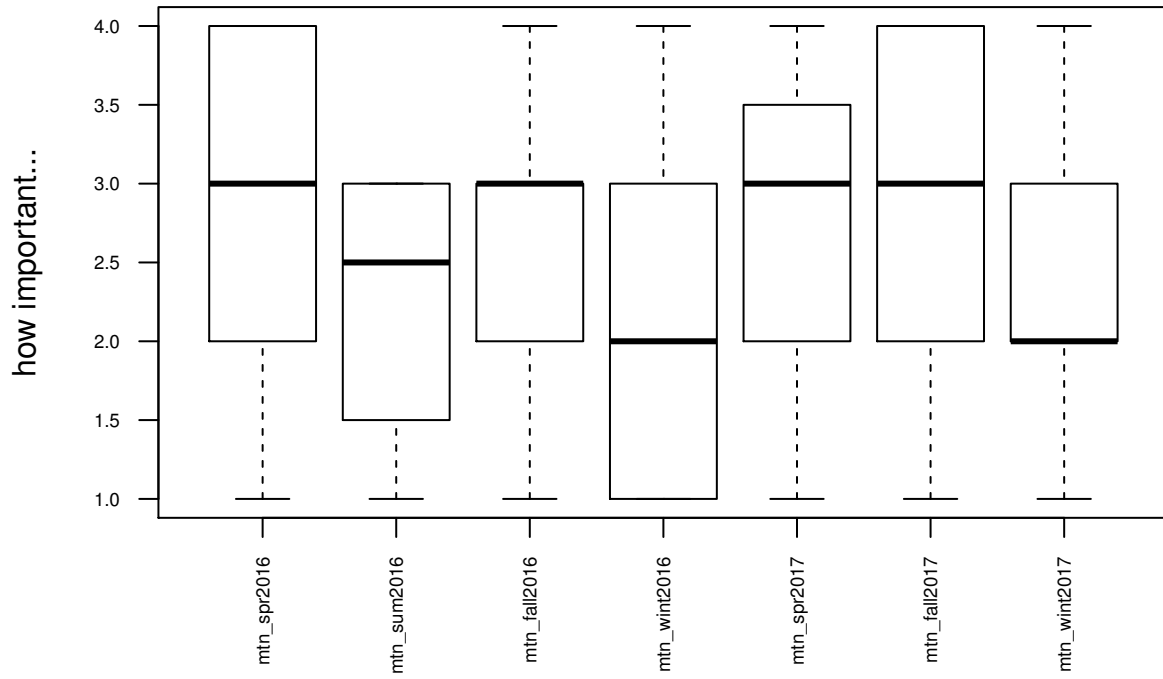
Boxplots for each semester: VIDEOS



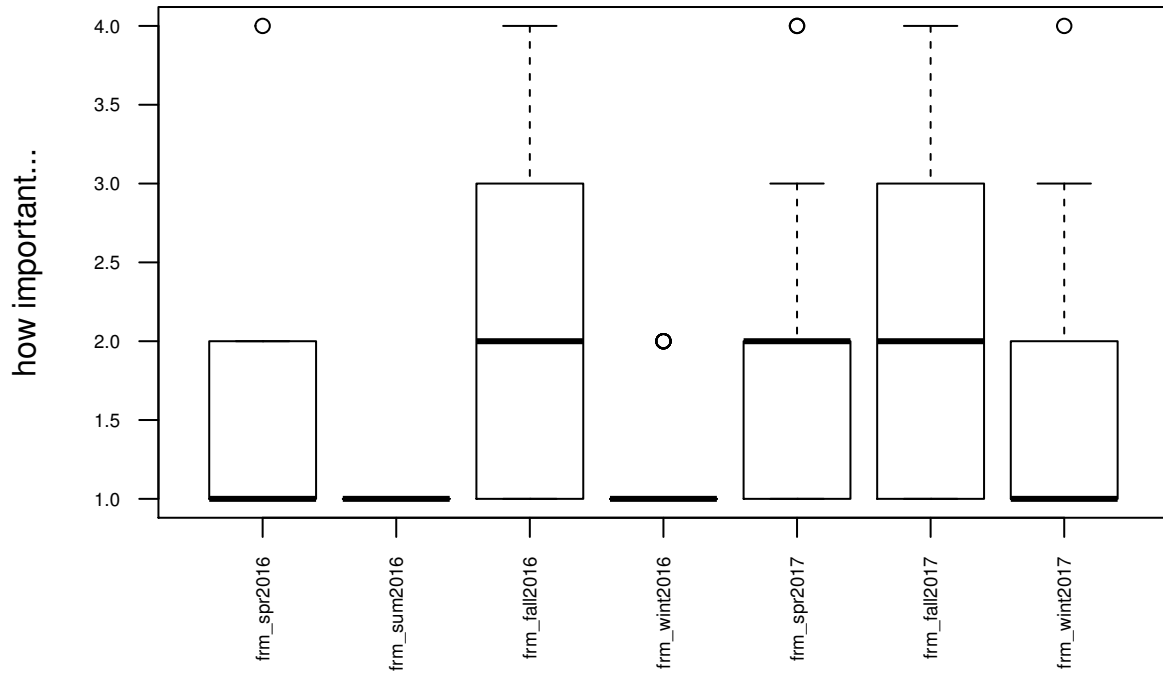
Boxplots for each semester: READINGS



Boxplots for each semester: ONLINE MEETINGS



Boxplots for each semester: FORUMS



9. How true is each of the following statements about your experience with the graded assignments? (1-Not true 2-Slightly true 3-Somewhat true 4-Very true)

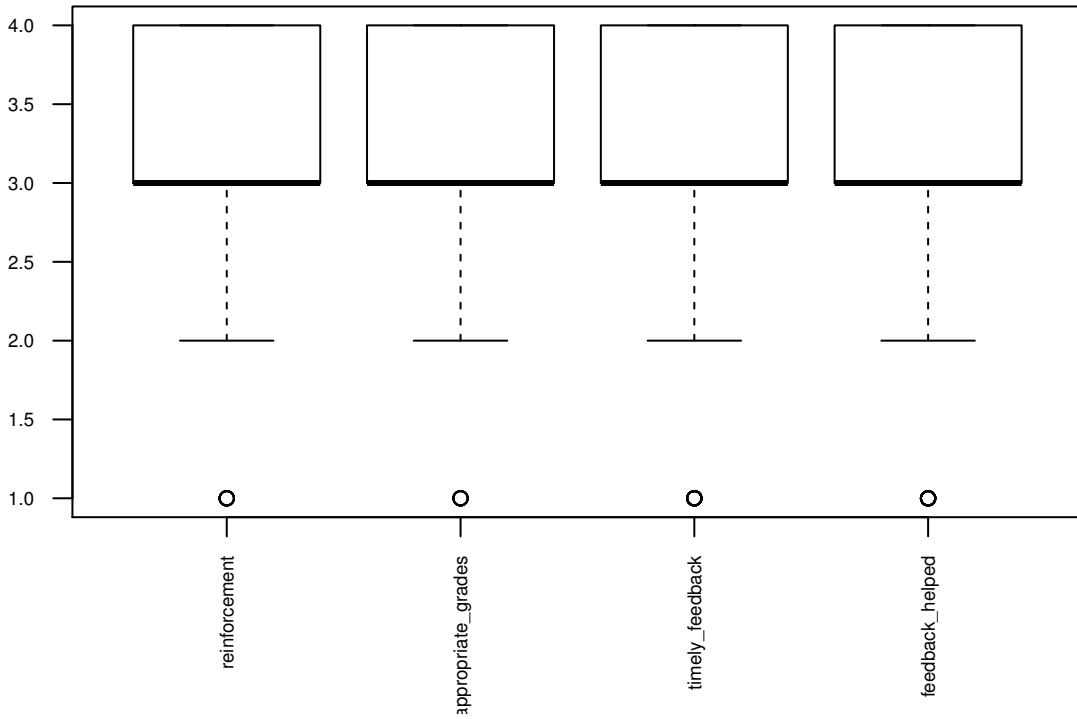
number of observations (n):

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## [1] 145
```

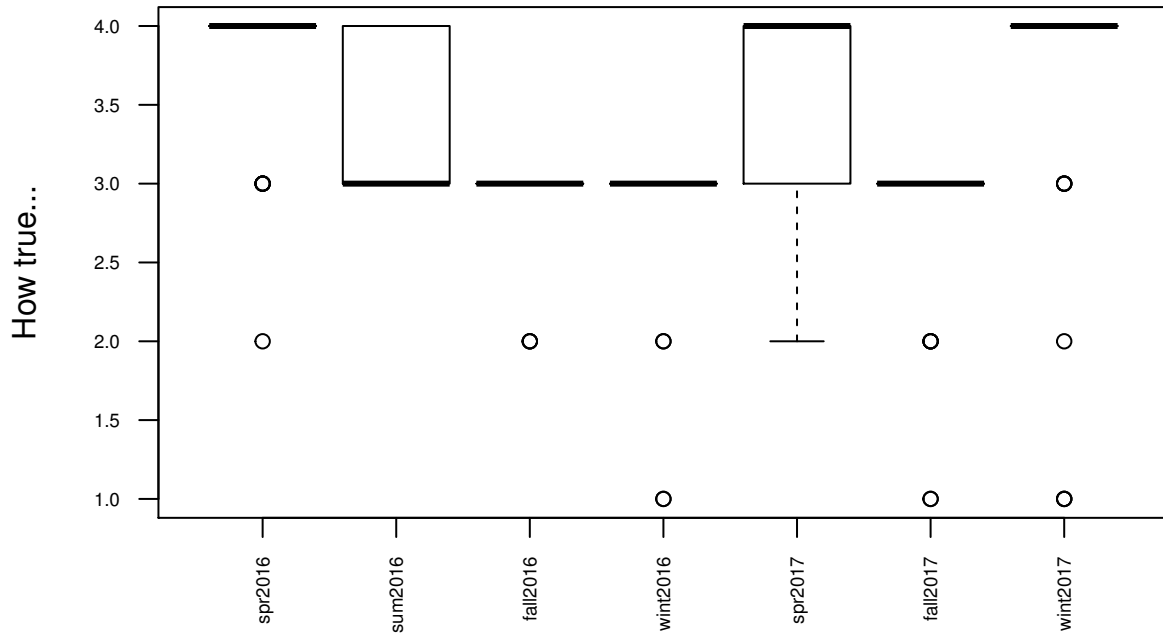
Boxplots for various types of course elements

- **reinforcement**=The assignments reinforced concepts and skills covered in the course
- **appropriate_grades**=Based on the quality of my work in this course, the grades I earned are appropriate
- **timely_feedback**=The instructor provided feedback in a timely fashion
- **feedback_helped**=The instructor provided feedback that helped me learn

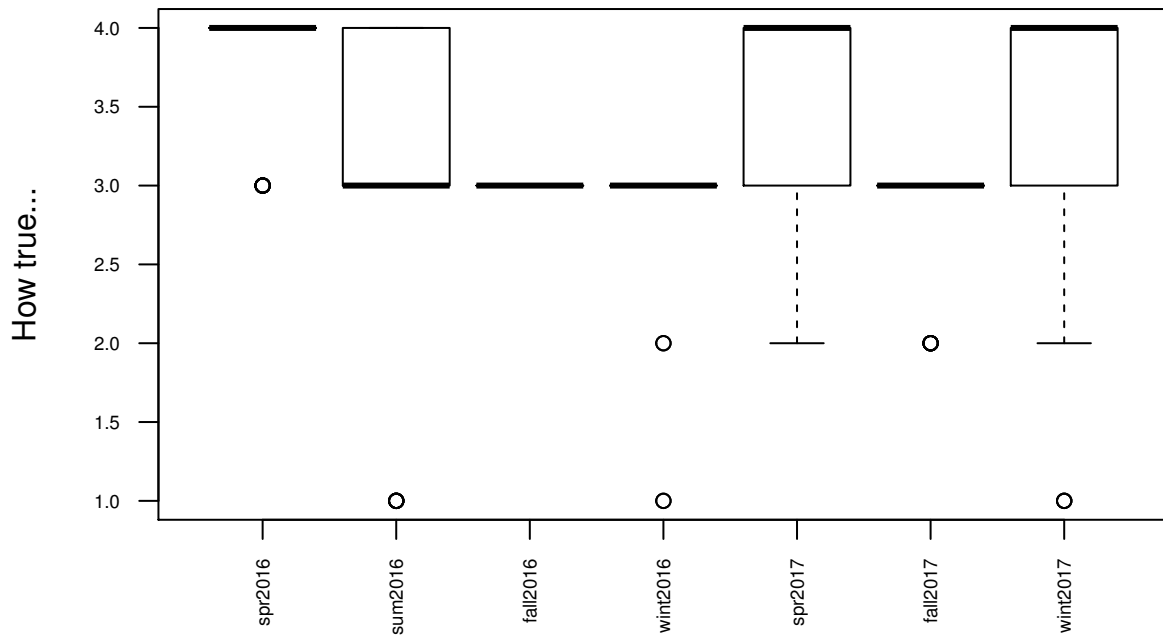
How true is each of the following statements...



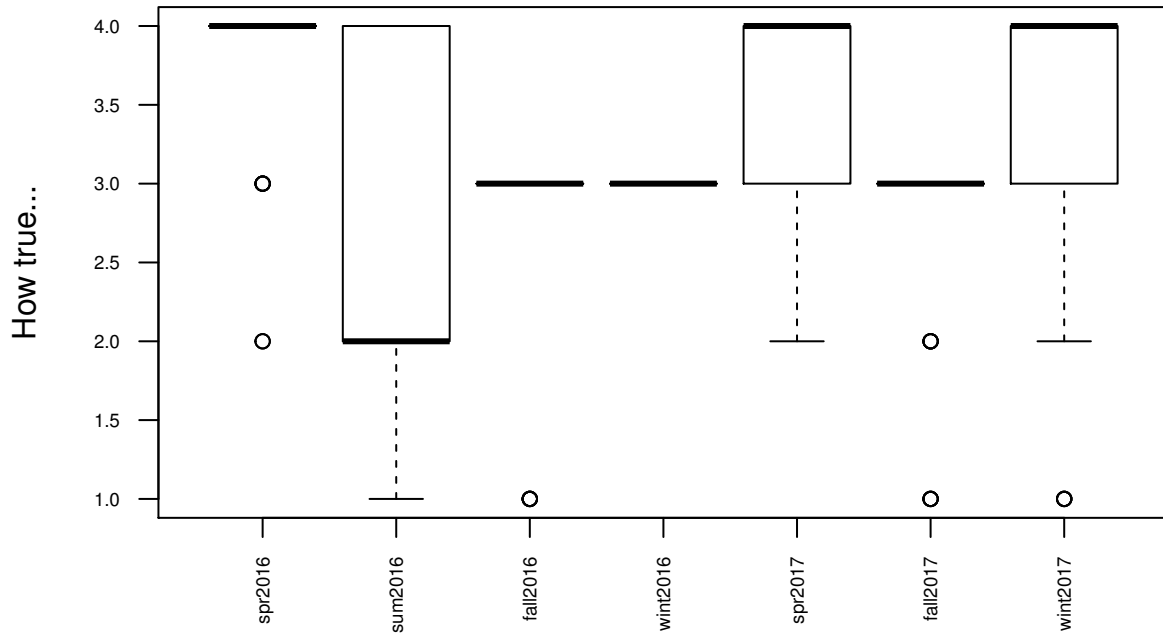
Boxplots for each semester: The assignments reinforced concepts and skills covered in the course



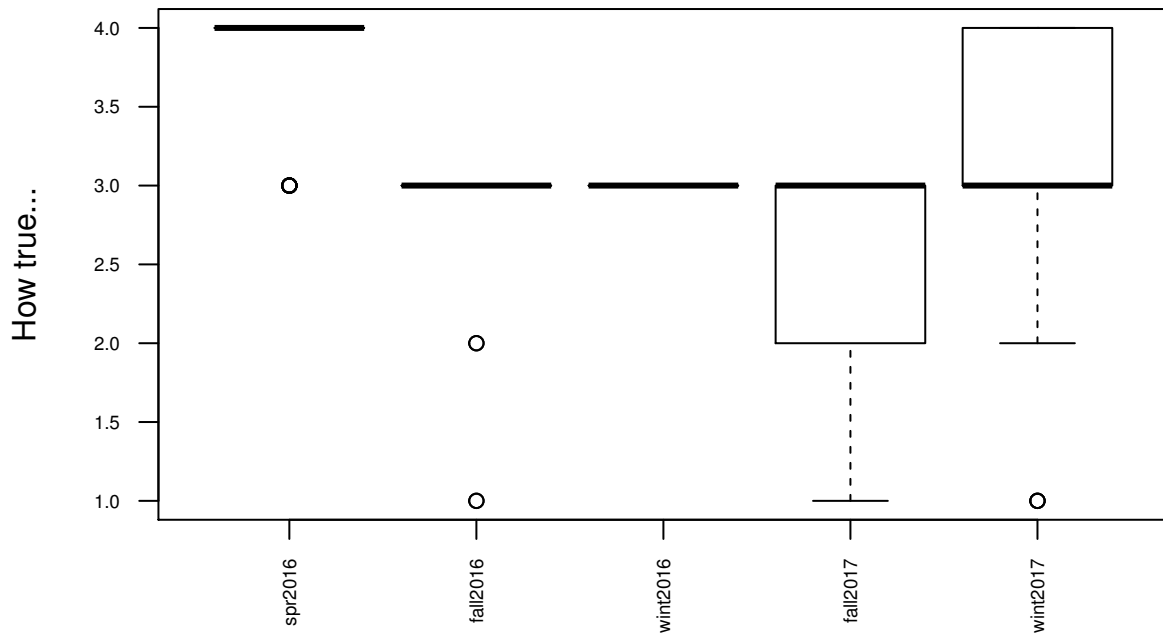
Boxplots for each semester: Based on the quality of my work in this course, the grades I earned are appropriate



Boxplots for each semester: The instructor provided feedback in a timely fashion



Boxplots for each semester: The instructor provided feedback that helped me learn



10. How true is each of the following statements about your experience with lecture videos?
(1-Not true 2-Slightly true 3-Somewhat true 4-Very true)

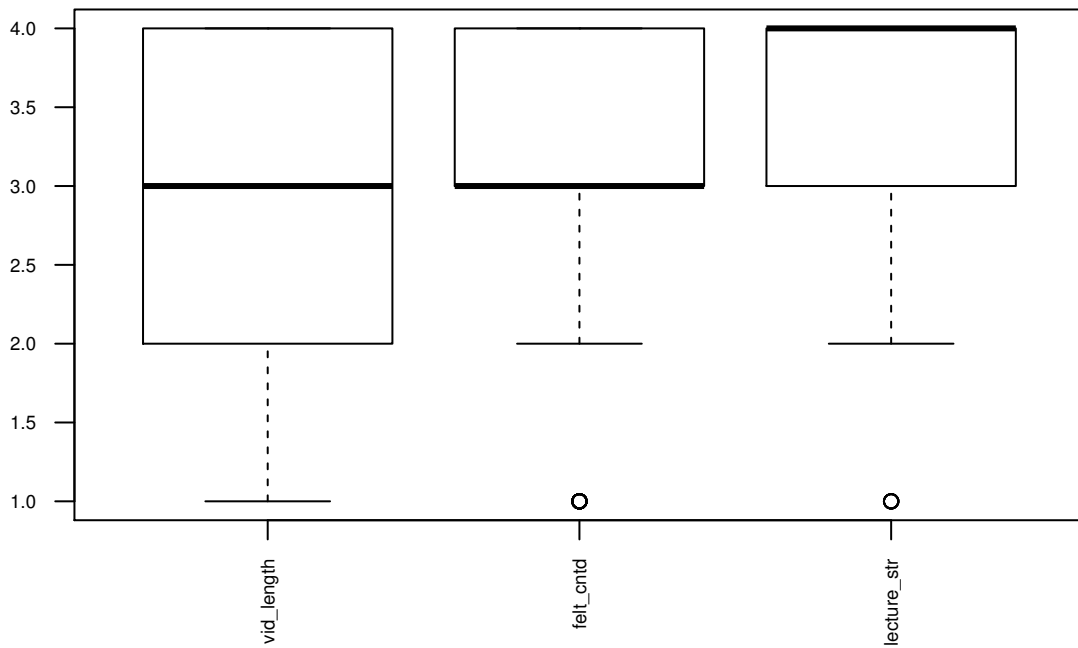
number of observations (n):

```
## [1] 145
```

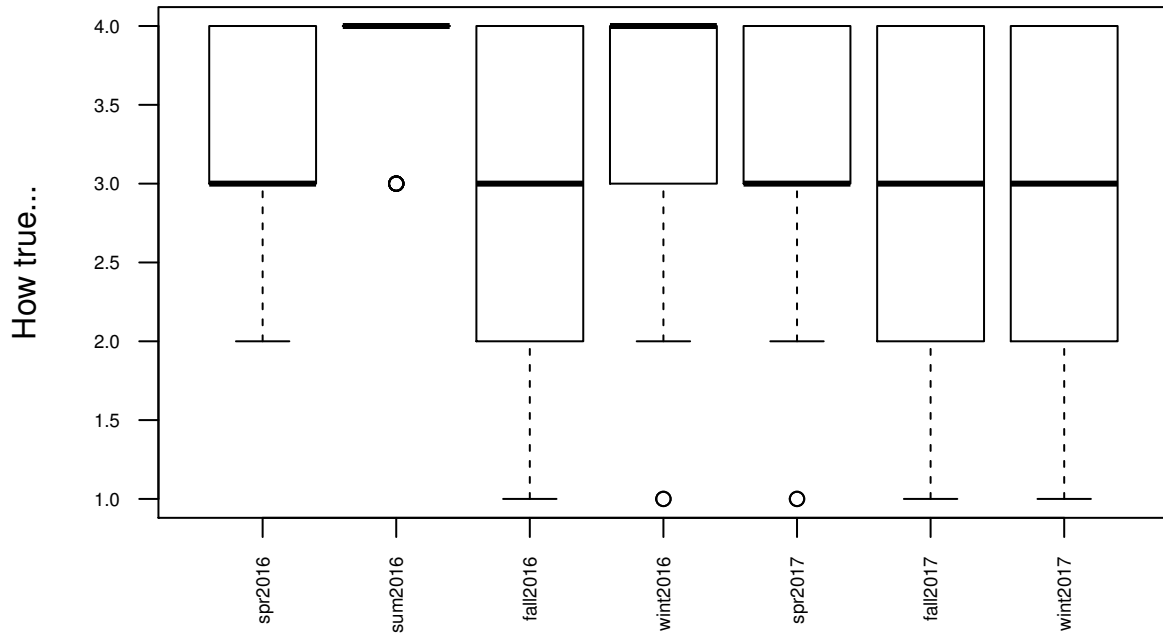
Boxplots for various types of course elements

- **video_length**=Length of video-lectures was appropriate
- **felt_connected**=I felt connected with the instructor(s) through the lecture videos
- **lecture_structured**=Lecture videos were well-structured

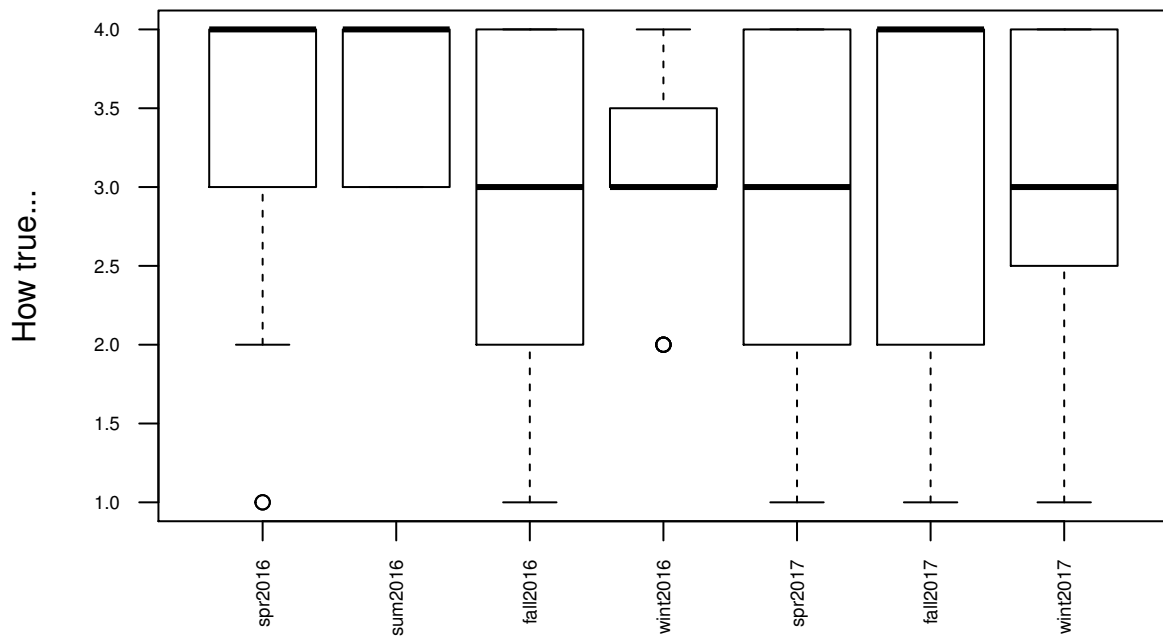
How true is each of the following statements...



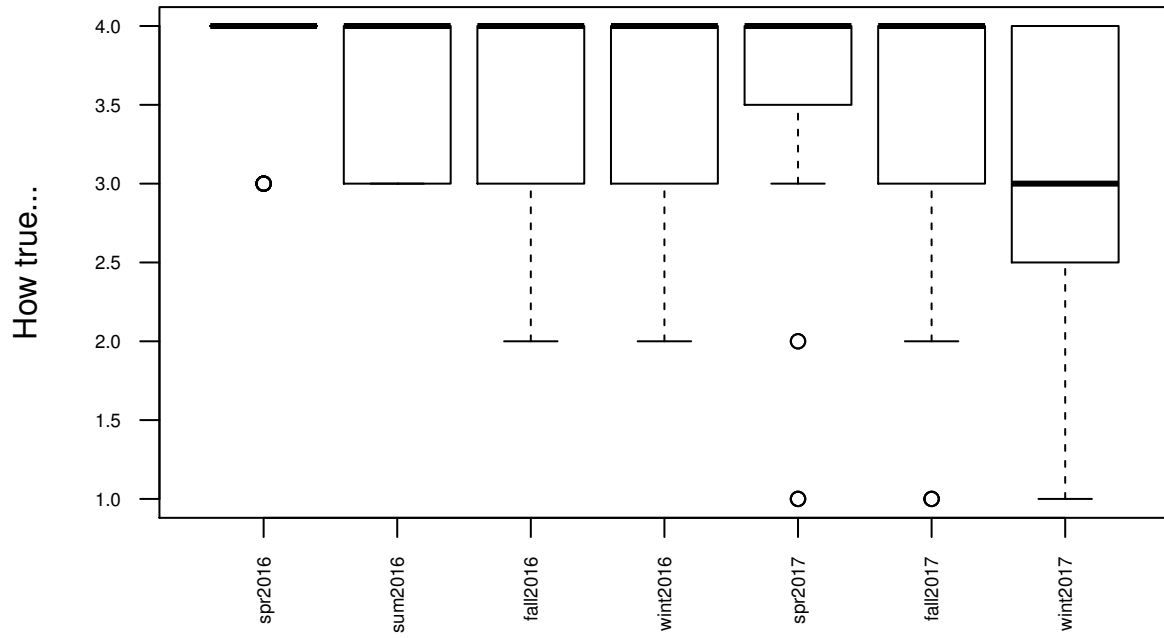
Boxplots for each semester: Length of video-lectures was appropriate



Boxplots for each semester: I felt connected with the instructor(s) through the lecture videos



Boxplots for each semester: Lecture videos were well-structured



11. How true is each of the following statements about your experience during the weekly discussion sessions? (1-Not true 2-Slightly true 3-Somewhat true 4-Very true)

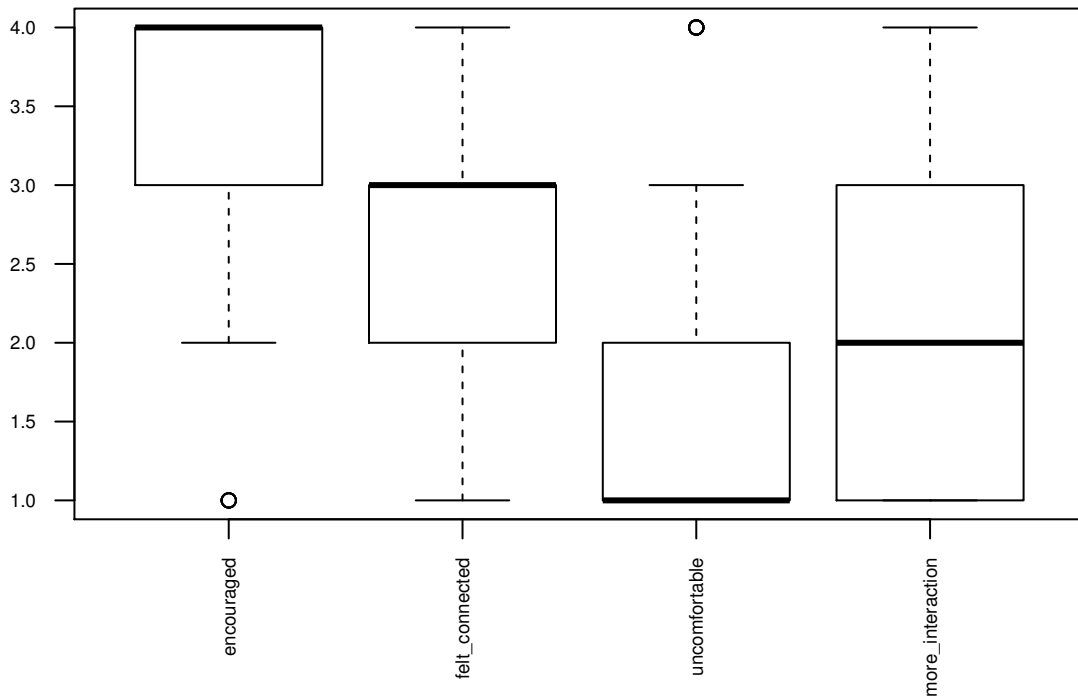
number of observations (n):

```
## [1] 143
```

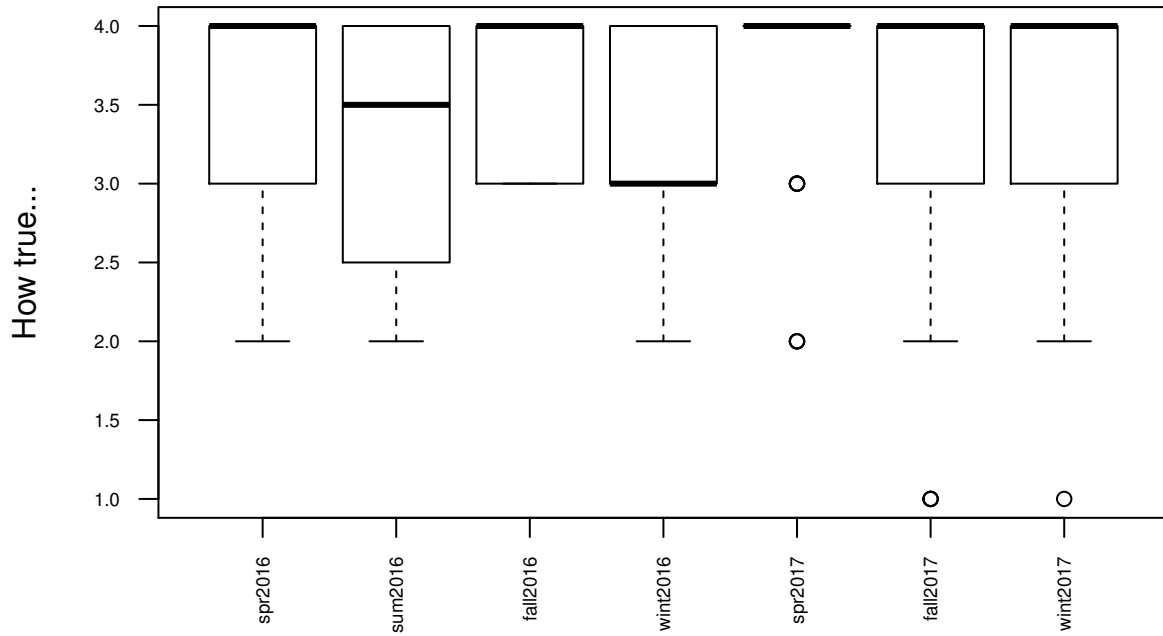
Boxplots for various types of course elements

- **encouraged**=I felt that I was encouraged to ask questions
- **felt_connected**=I felt connected to other students in the course
- **uncomfortable**=I felt uncomfortable during the online discussions
- **more_interaction**=I wish I had more opportunities for interaction with other participants

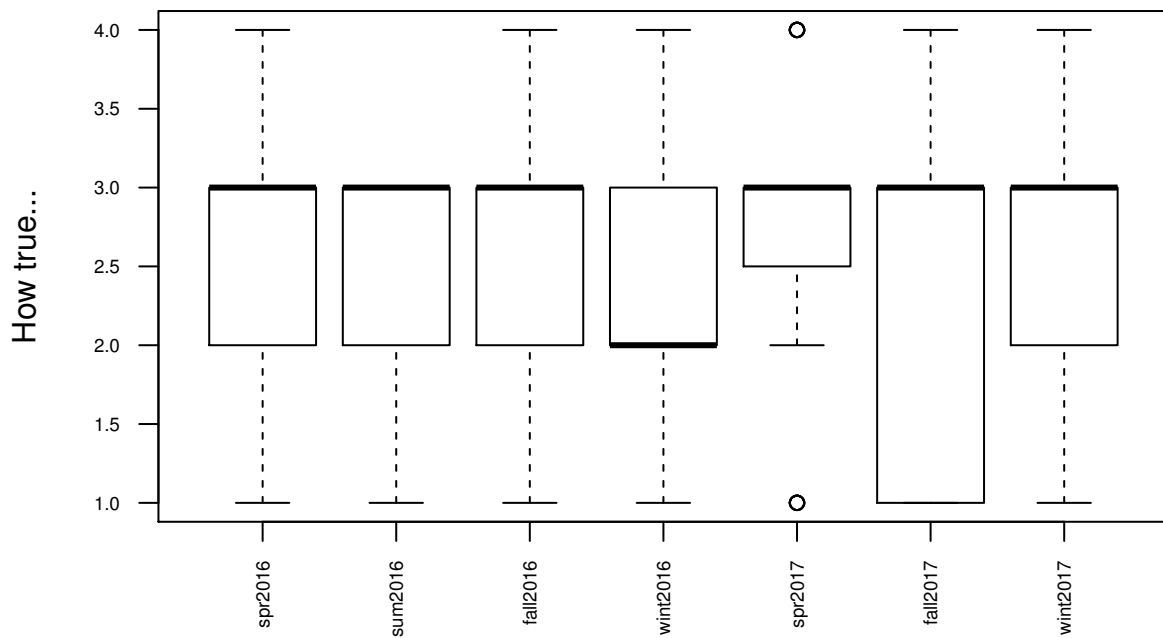
How true is each of the following statements...



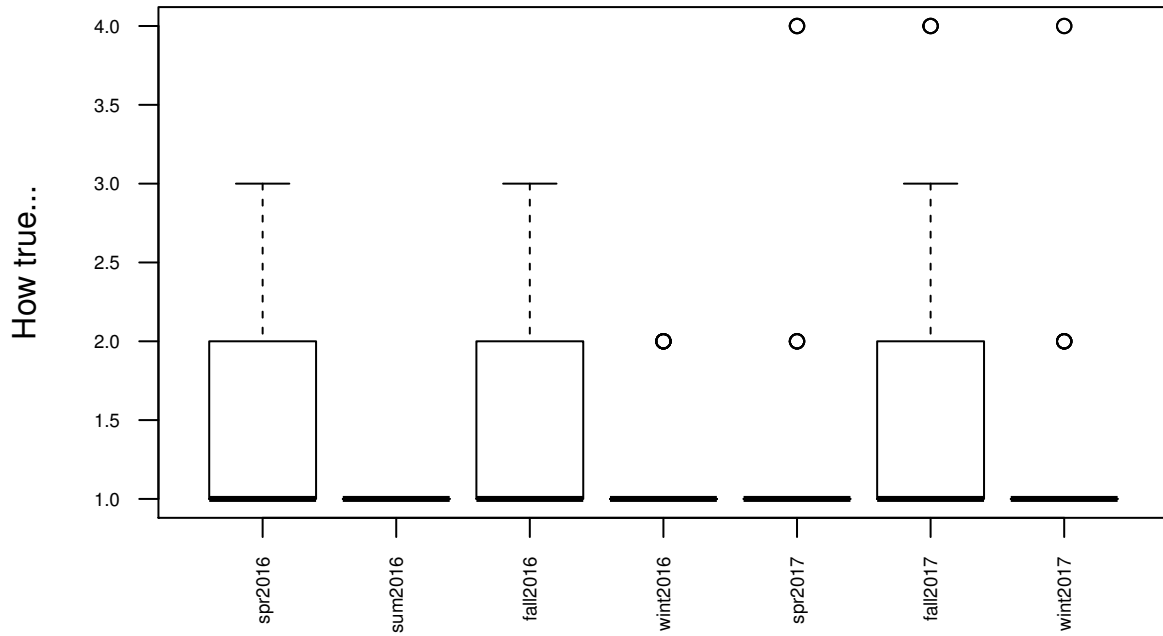
Boxplots for each semester: I felt that I was encouraged to ask questions



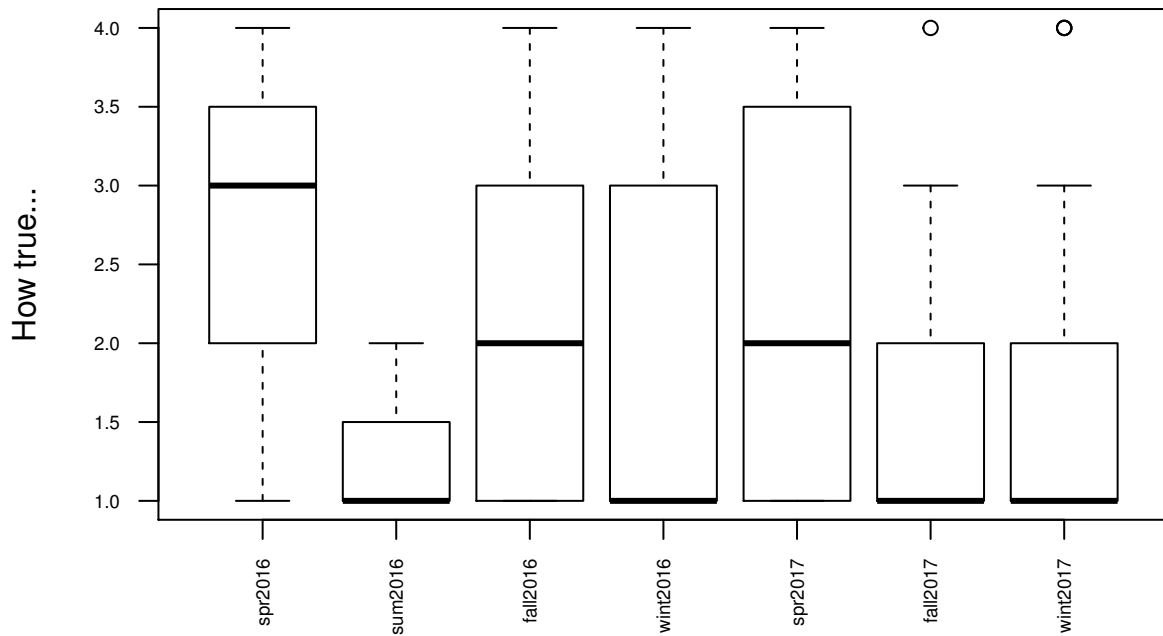
Boxplots for each semester: I felt connected to other students in the course



Boxplots for each semester: I felt uncomfortable during the online discussions



Boxplots for each semester: I wish I had more opportunities for interaction with other participants



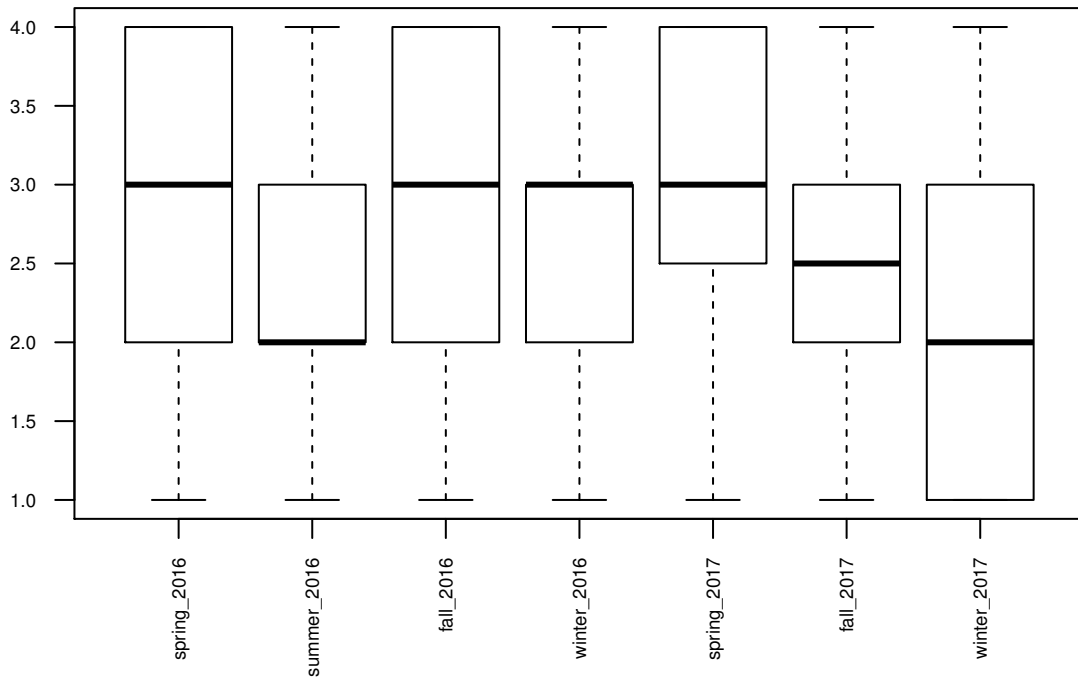
12. To what extent do you expect to perform better at your current work/study as a result of this course? (1-Not at all 2-A little 3-Somewhat 4-A lot)

number of observations (n):

```
## [1] 144
```

Boxplots for each semester

To what extent do you expect to perform better...

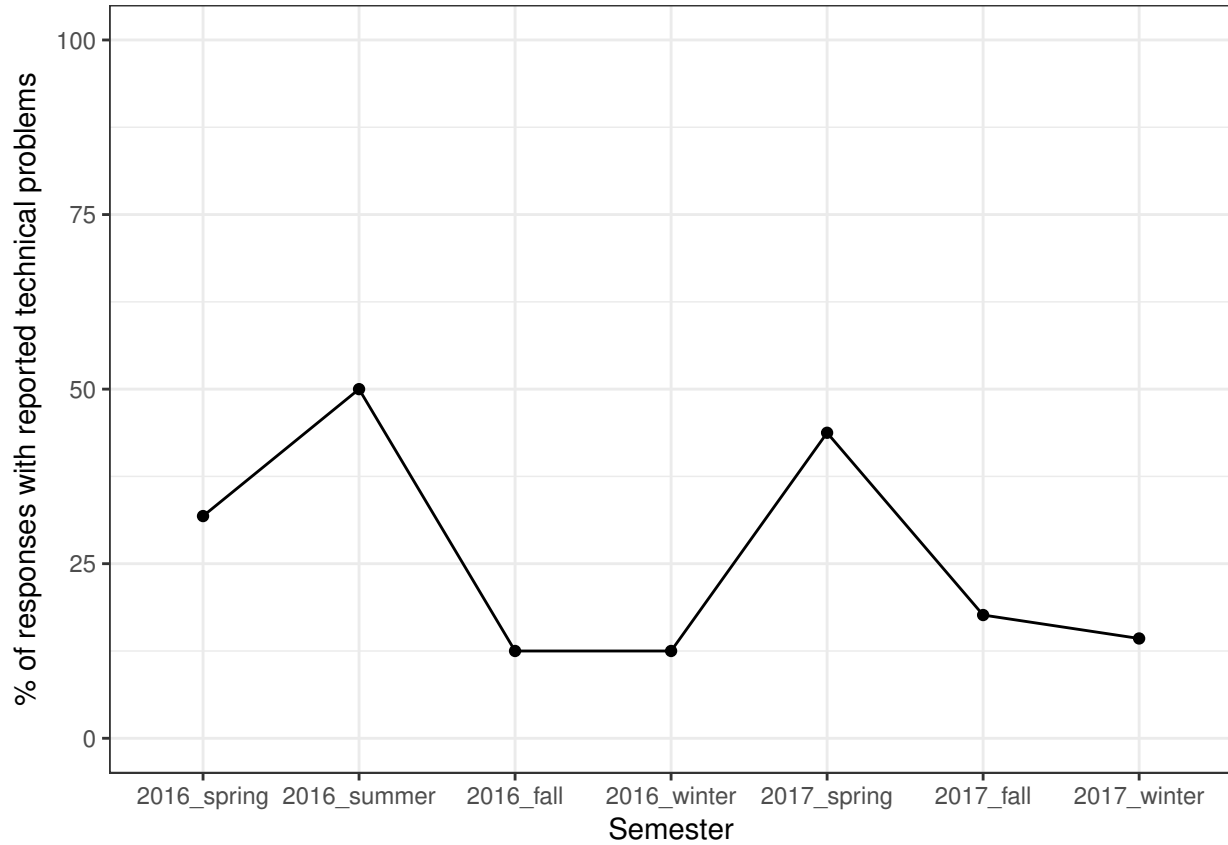


13. Did you experience any technical difficulties? (1-Yes 2-No)

number of observations (n):

[1] 145

Line chart of the share of responses with reported technical problems for each semester



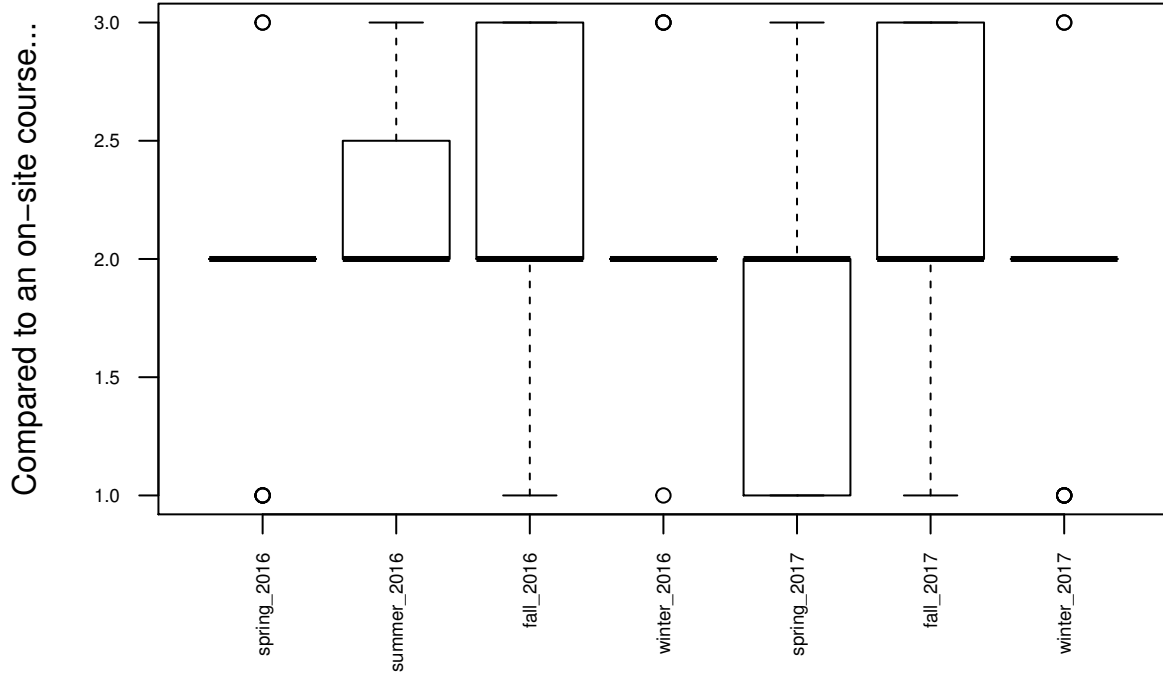
13a. Please describe the technical difficulties you had in the course

- 56% of reported problems - problems with the course platform (Moodle) and/or server issues
- 40% of reported problems - problems with the online conference software used for online meetings and/or internet connection
- 4% of reported problems - problems related to software used in the course (e.g., R)

14. Compared to an on-site course, how was this online course for you? (1-Easier 2-No different 3-Harder) number of observations (n):

[1] 141

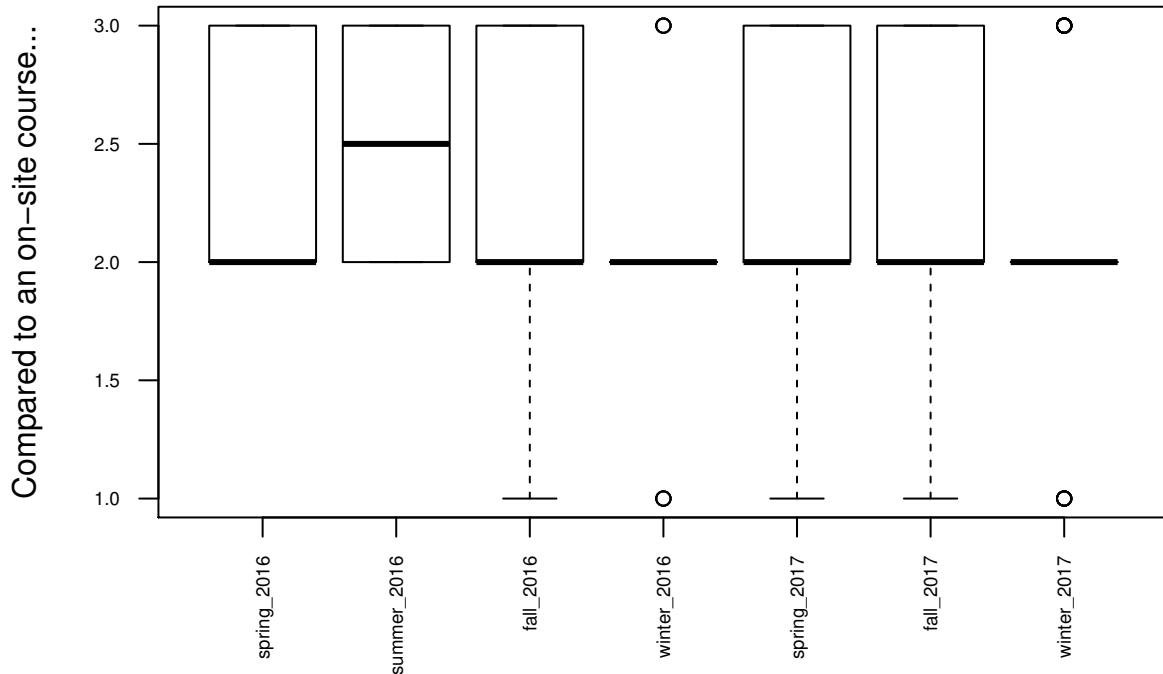
Boxplots for each semester



15. Compared to an on-site course, how much did you learn in this online course? (1-Less 2-About the same 3-More) number of observations (n):

[1] 140

Boxplots for each semester



16. Compared to an on-site course, how engaged were you in this online course? (1-Less engaged 2-About the same 3-More engaged) number of observations (n):

[1] 142

Boxplots for each semester

