



# ETRAC Undergraduate Survey Results 2020

Comparative U of T:  
All USA Participants:  
USA Doctoral/Research Schools

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Marden Paul. March 2021



# Educause Technology Research in the Academic Community

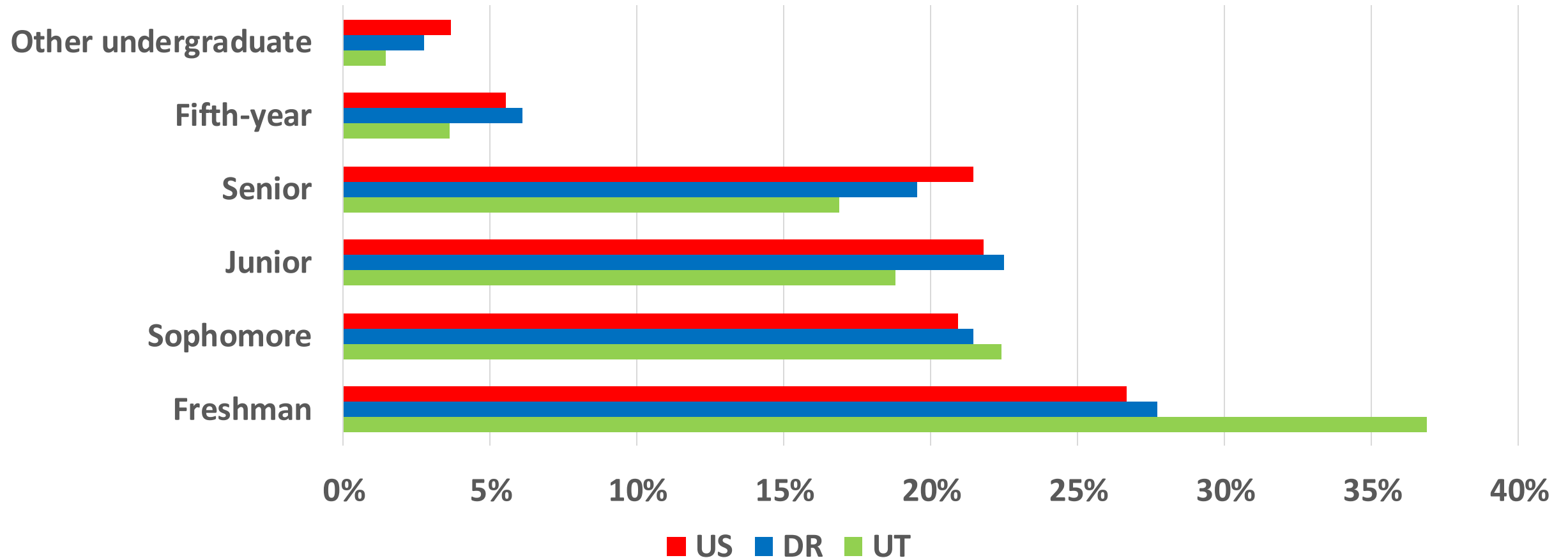
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- Focus on Undergraduate and Faculty technology experiences
- Student survey has been run for 16 years / faculty for 4 years – this was a special COVID-19 abridged version
- Assesses:
  - Connectivity and device capabilities
  - Experiences learning with technology
  - Digital instructional resources
- Survey ran from 12 October through 14 December 2020
- REB approval granted for **annual student** and **biennial faculty** surveys
- <https://www.educause.edu/research-and-publications/research/analytics-services>

# ETRAC Fall Student Survey Participation

Carnegie Class	# Institutions	# Participants
Associates Degree Schools	7	727
Bachelors Degree Schools	2	10
Masters Degree Schools	17	5,547
Doctoral/Research Intensive	19	4,347
Non-US	6	1,537
U of T	1	411

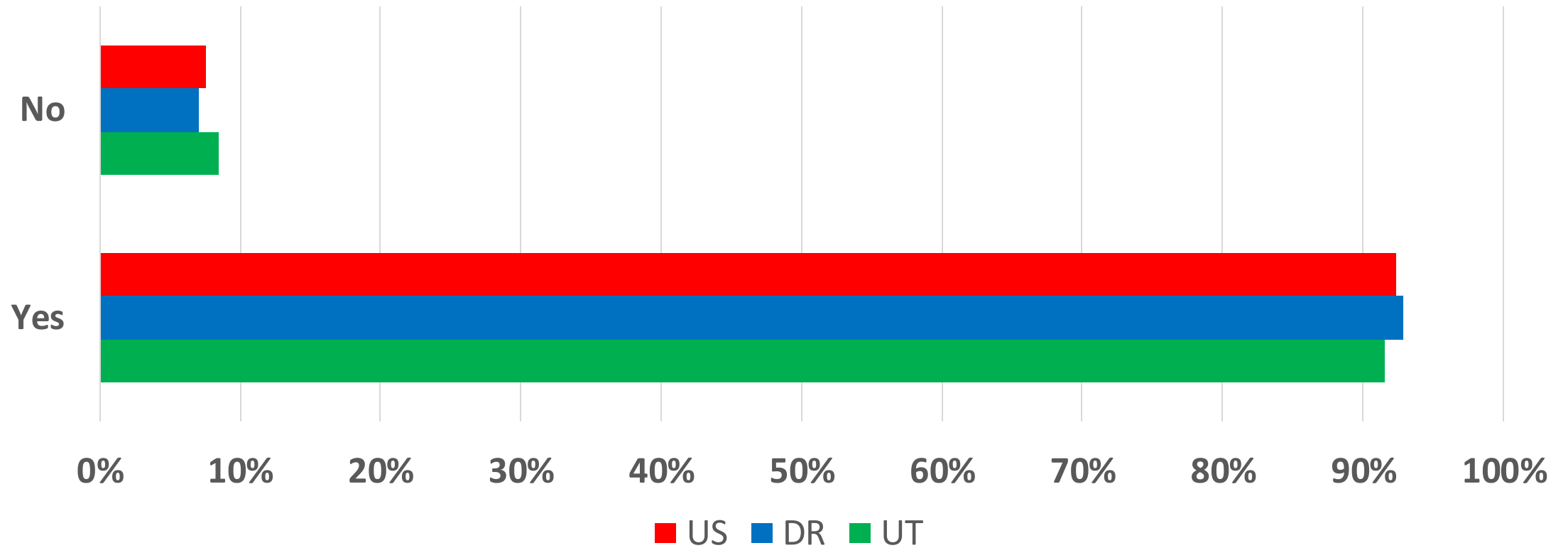
# Undergraduate Year of Participants



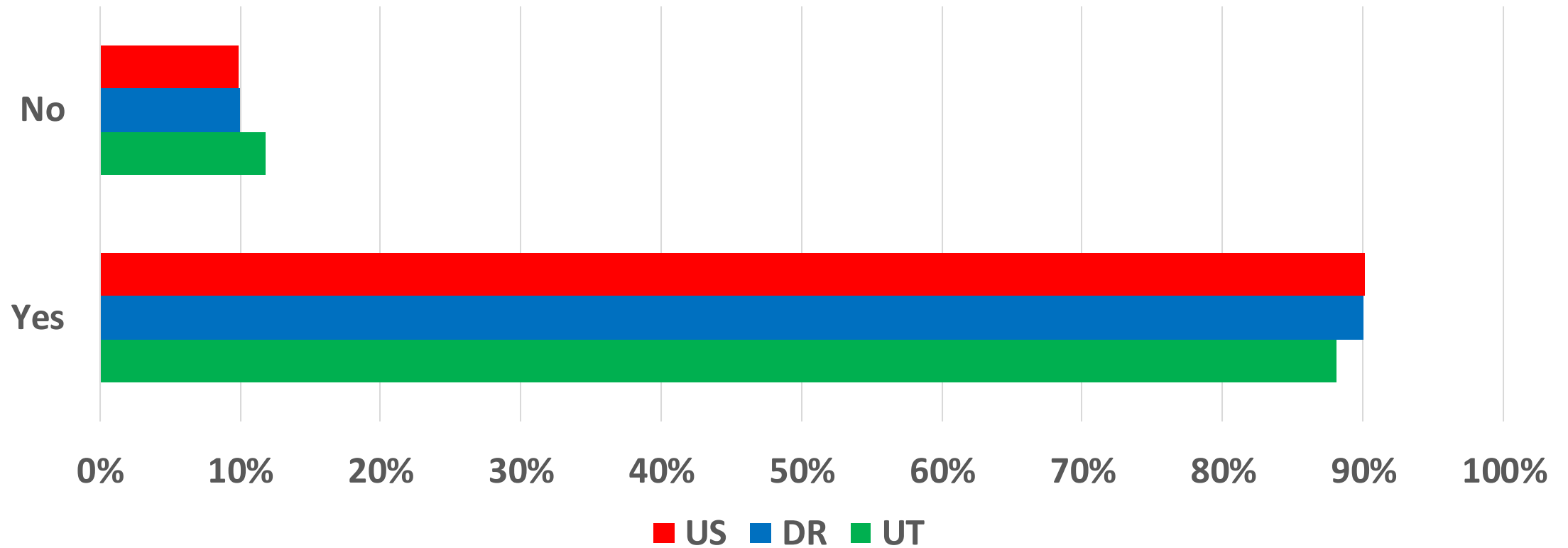


# Connectivity & Devices

# 1.1a. Internet Access at Primary Residence

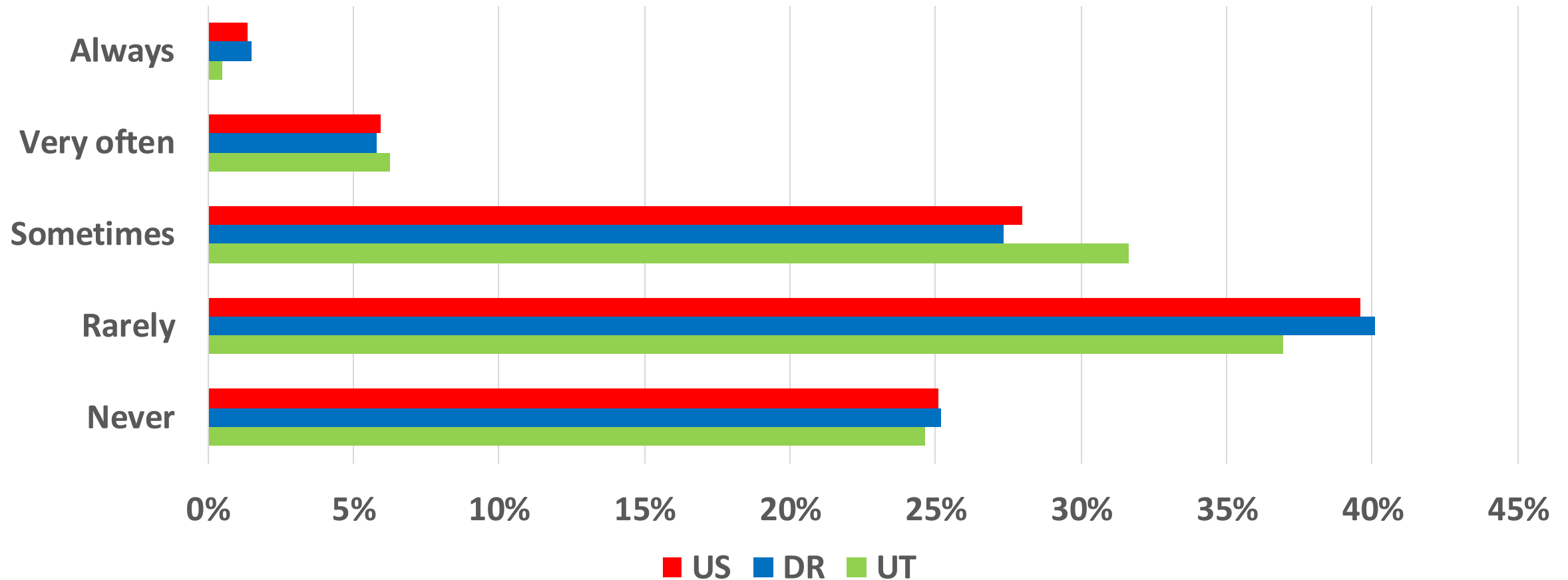


## 1.1b. Reliable Internet Access



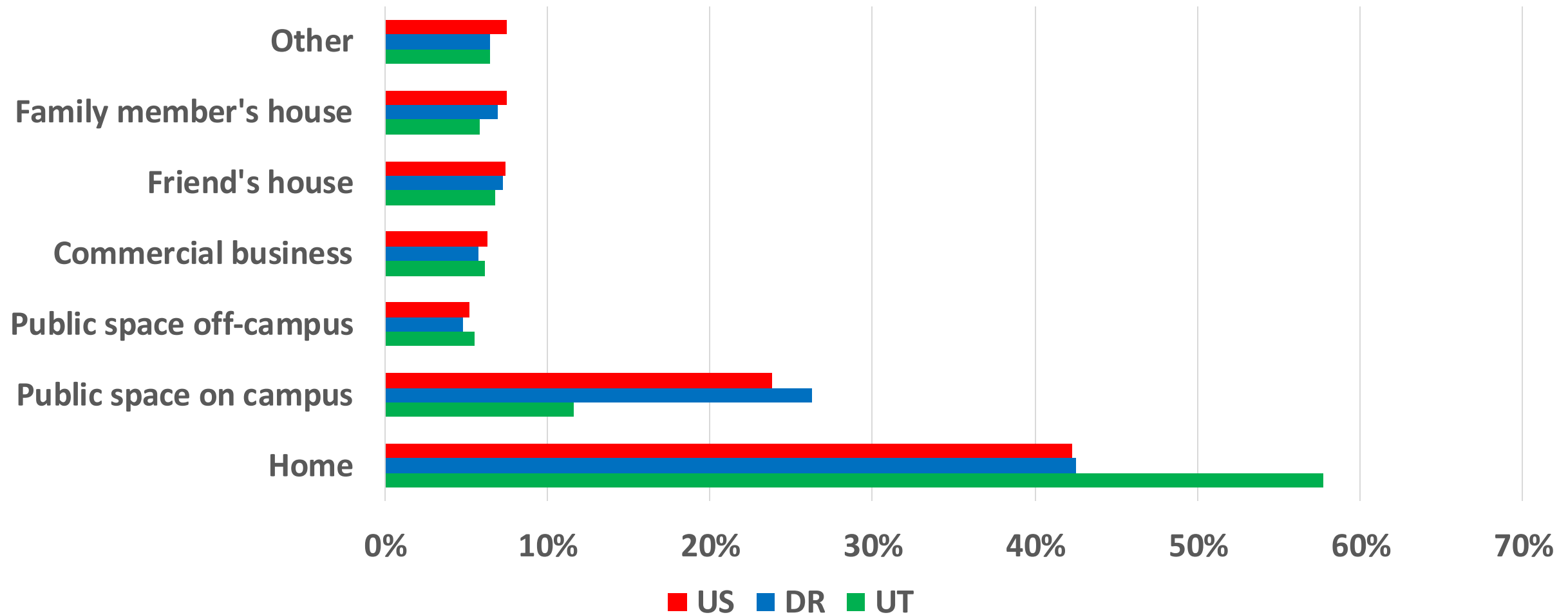


# 1.2a. Internet Connection Struggle Frequency

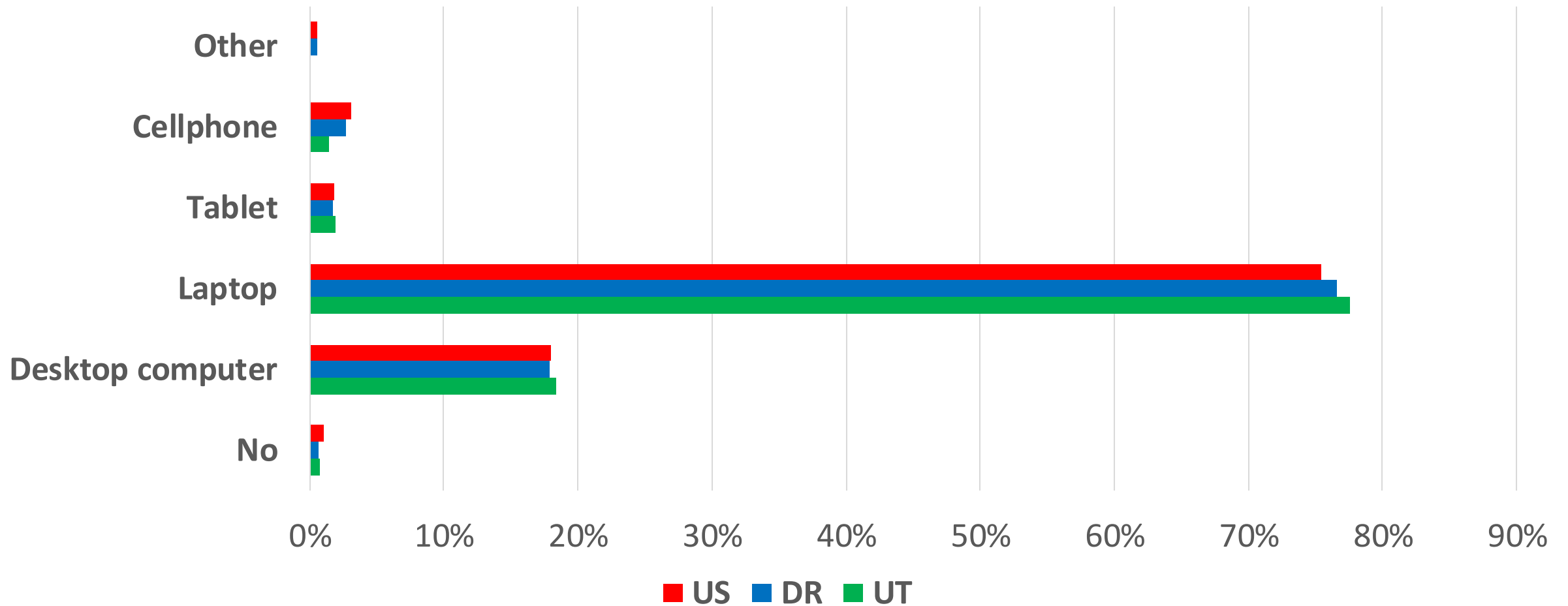




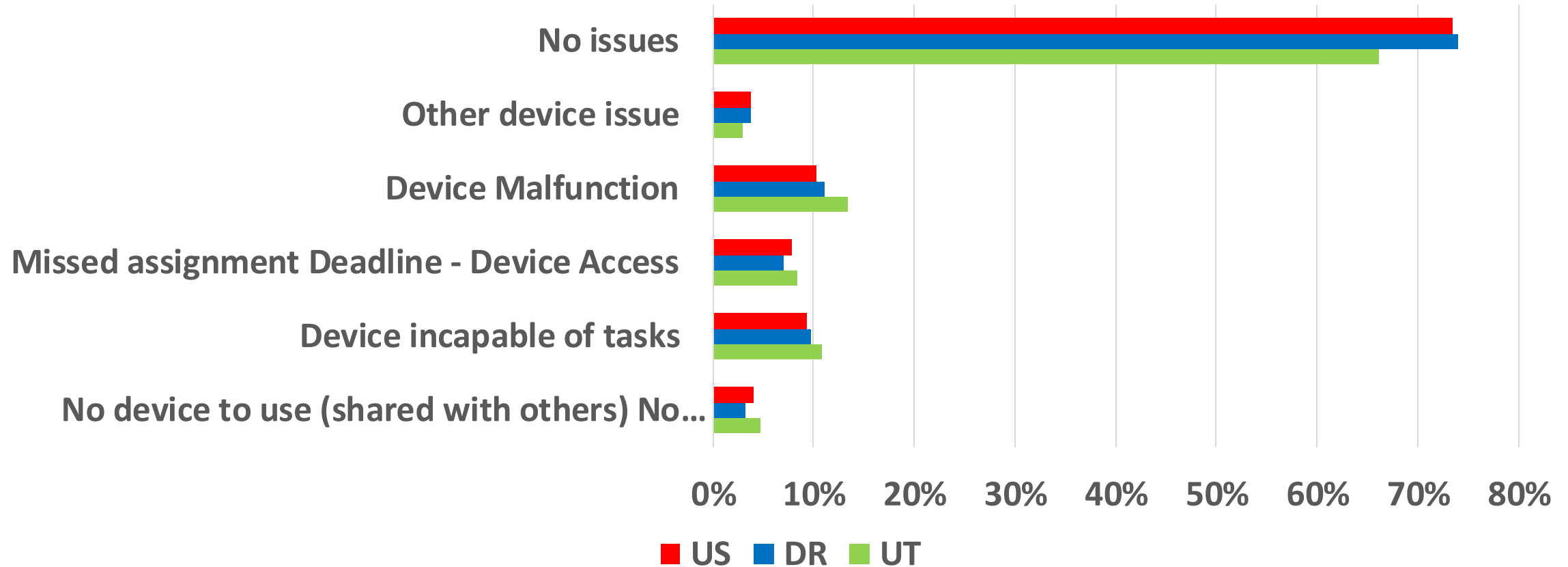
# 1.2b. Where to Find Good Internet Connection



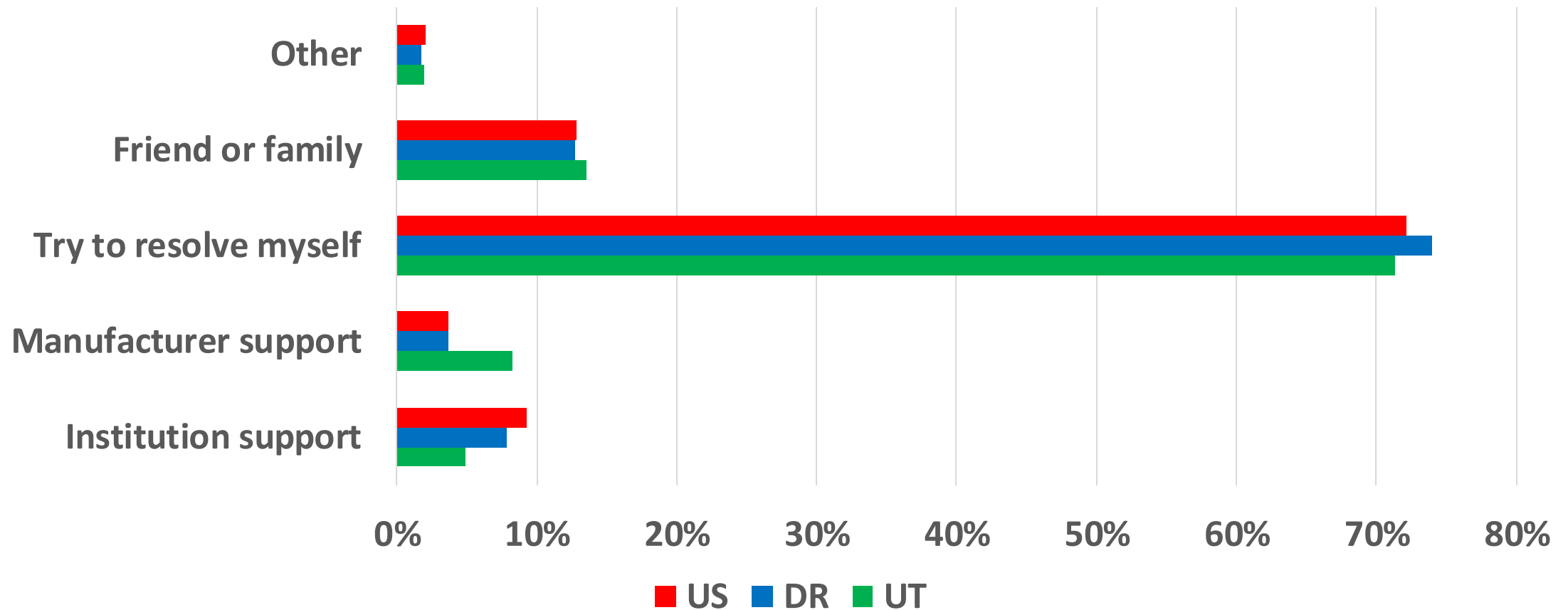
## 1.4 Access to Reliable Device / Type



# 1.5a. Tech Issues Experienced



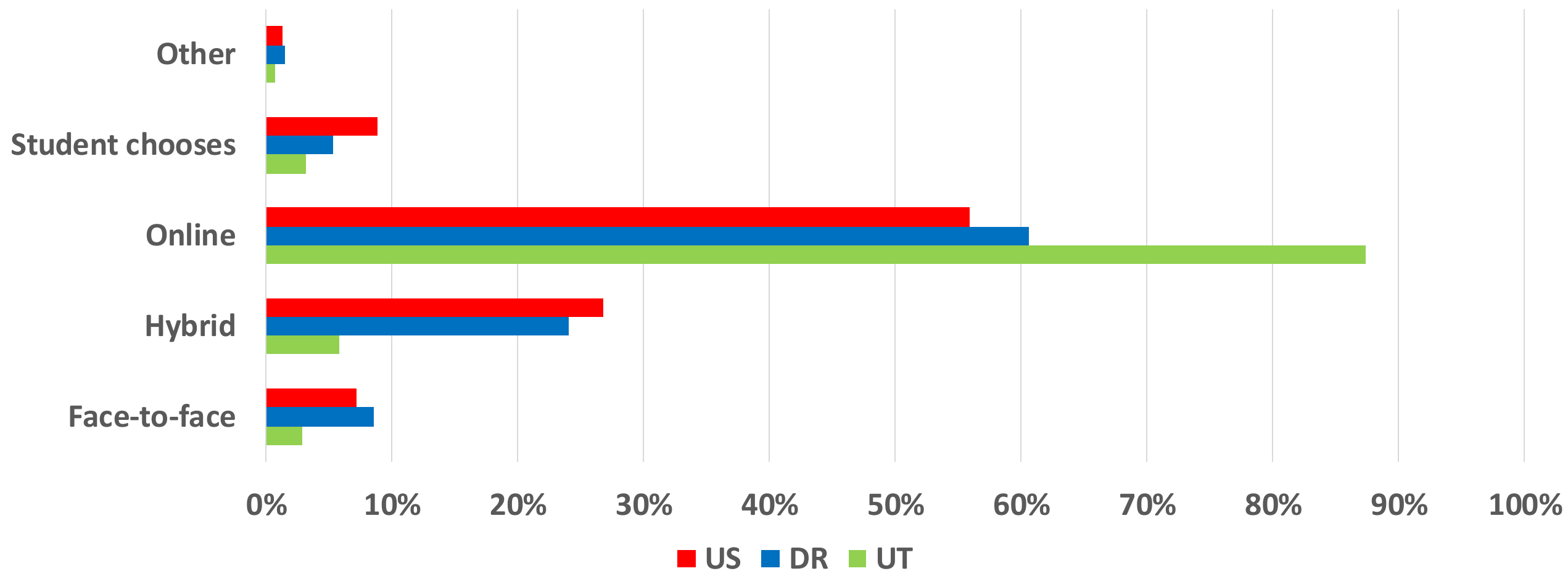
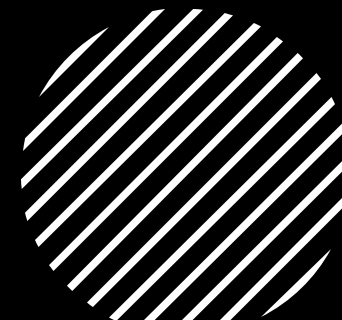
## 1.6. Tech Support Approaches Taken



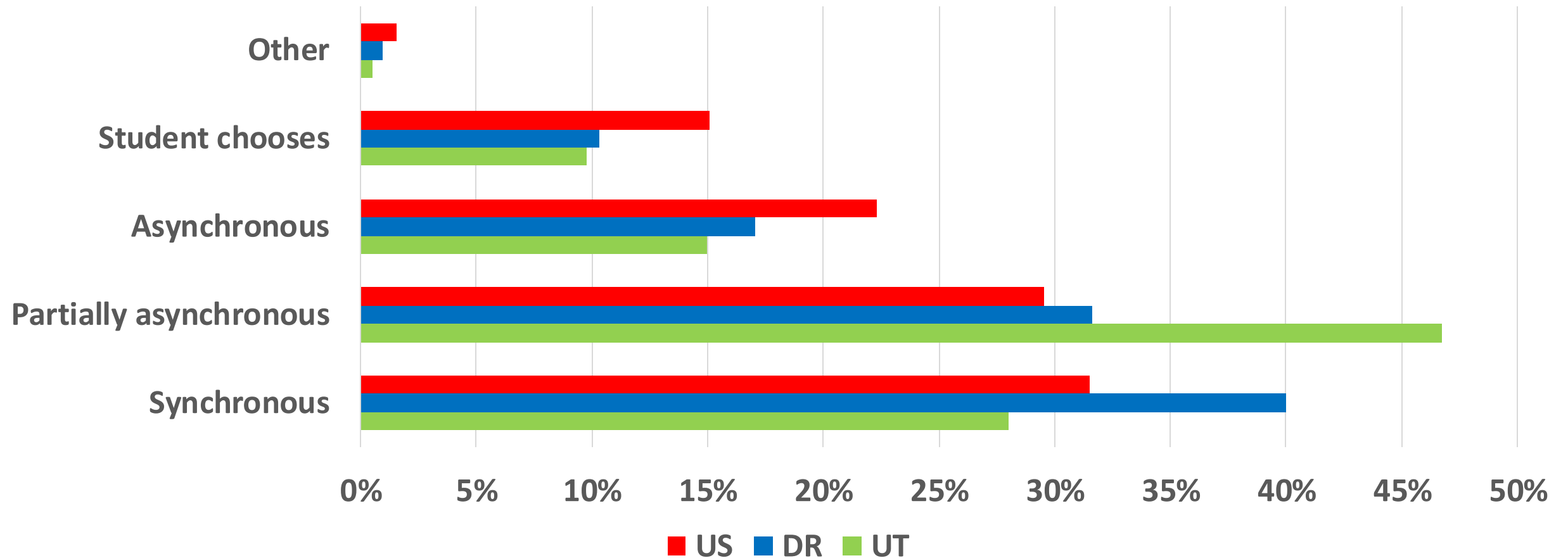
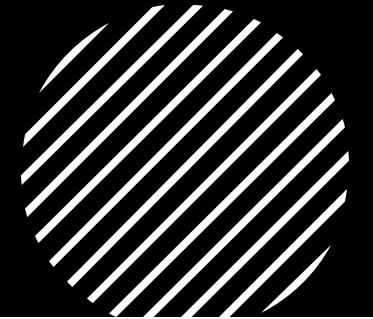
## Experiences Learning with Technology

*Responses in this section were based on the course a student felt was giving them their best learning experience*

## 2.1. In what type of learning environment is this course being taught?



## 2.2. Course Modality

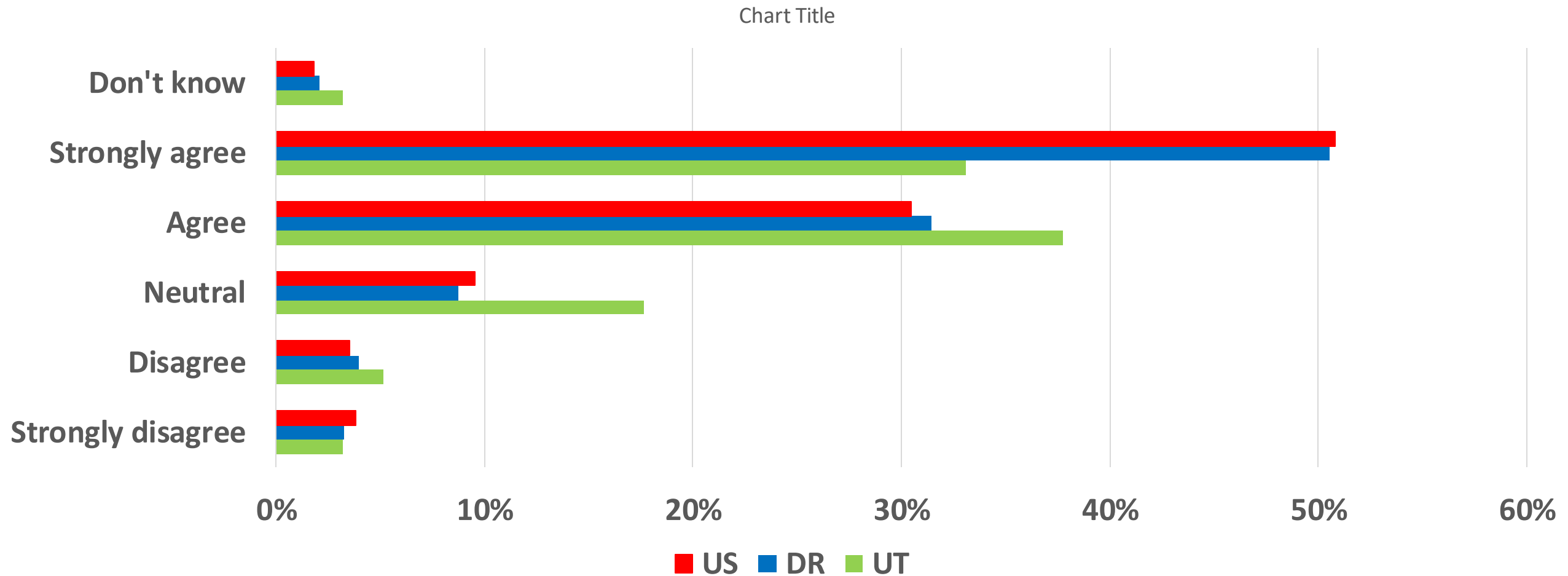




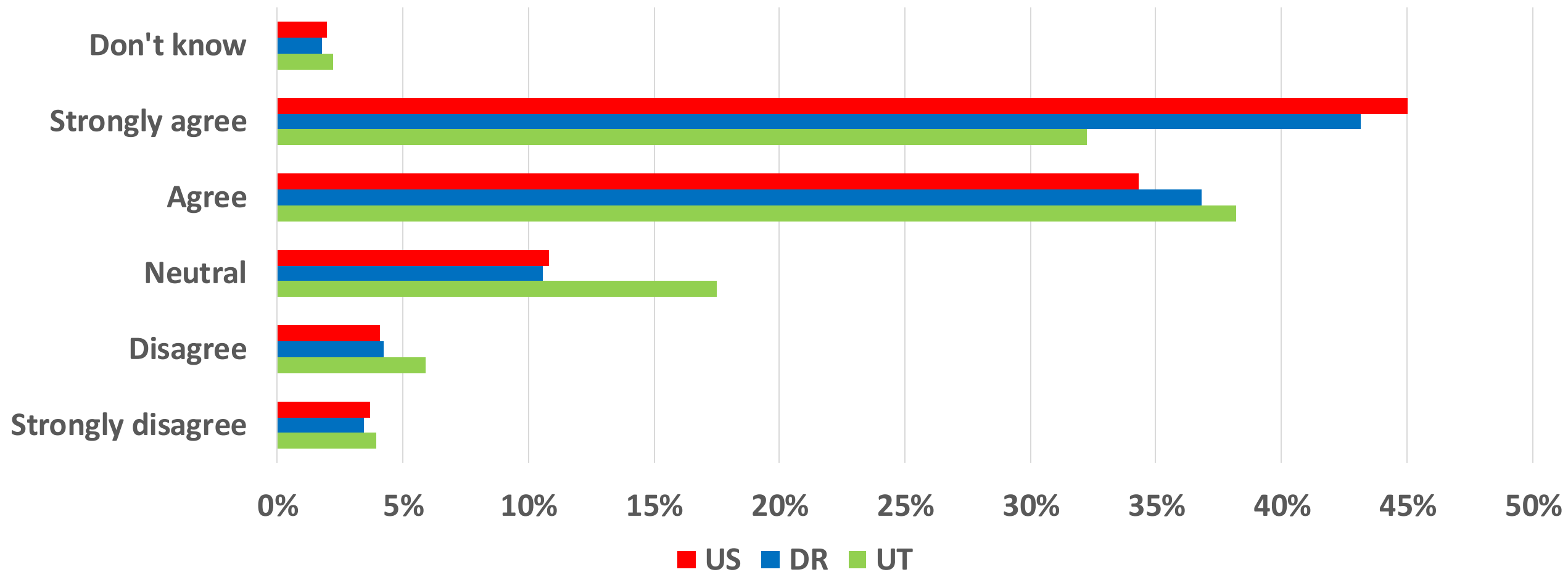
2.3 Please tell us how much you agree or disagree with the following statements about your instructor for the course in which you are having your best learning experience:



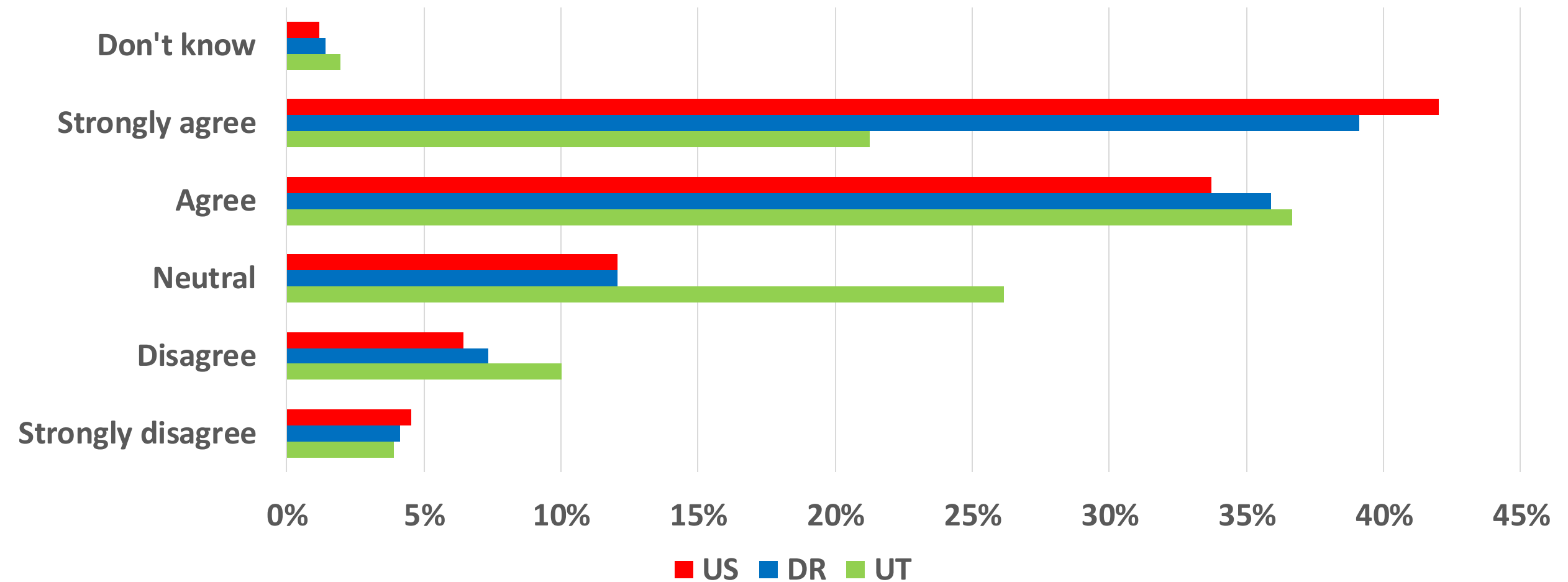
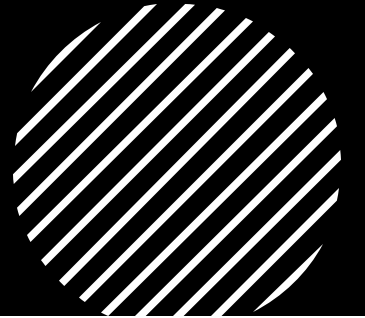
## 2.3.a. Instructor Easy to Contact: Course Related Help



## 2.3.b. Reasonable Accommodations for Assignment Submissions



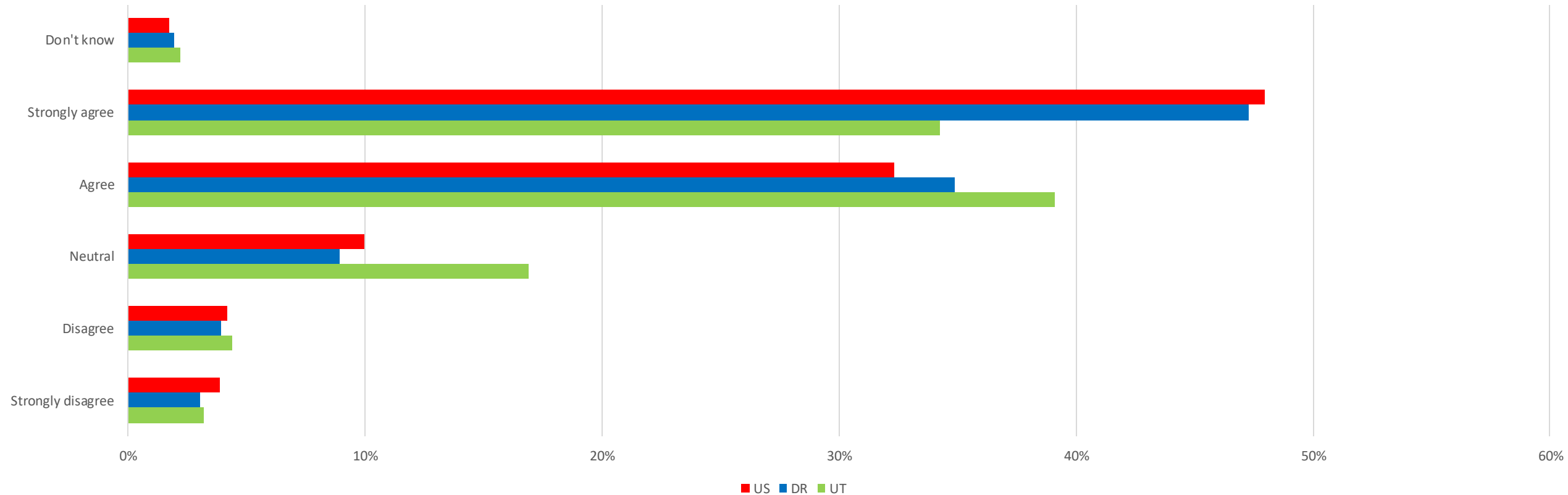
## 2.3c. Provides Timely Performance Feedback



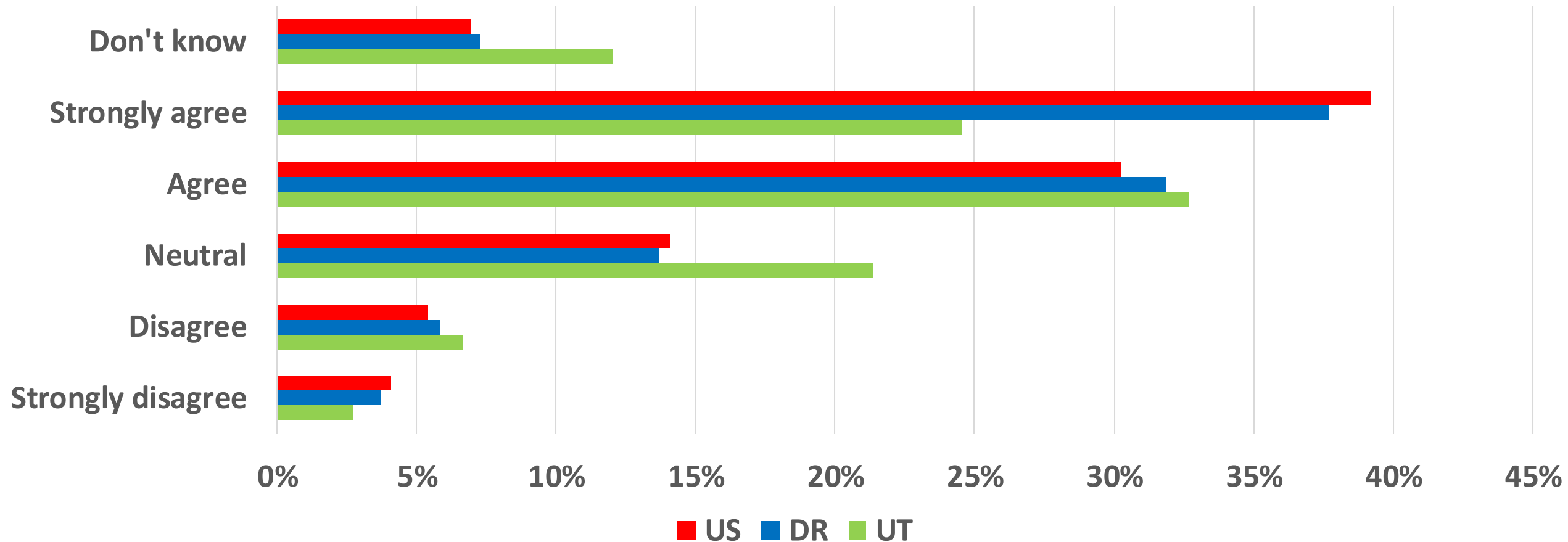
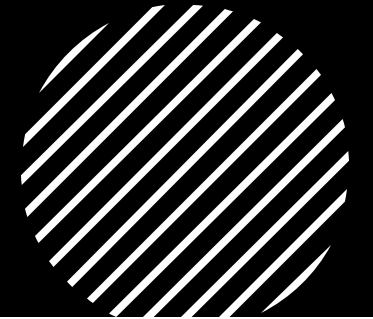
## 2.3d. Responds to questions and comments timely manner.



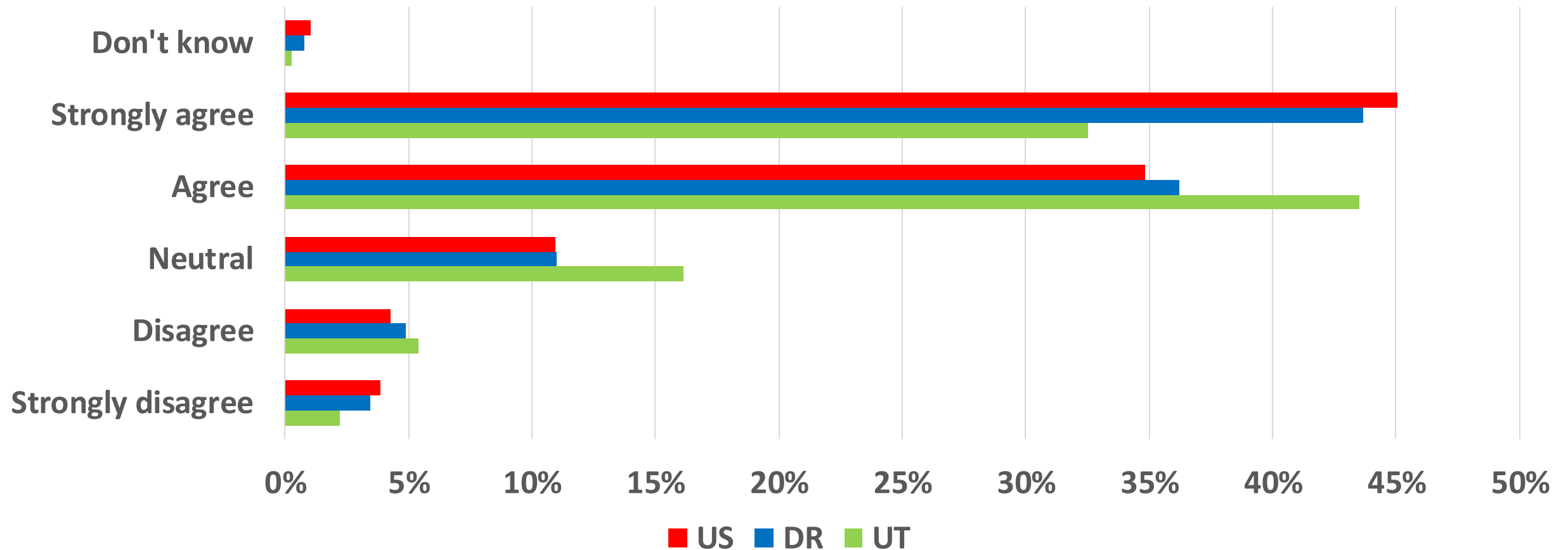
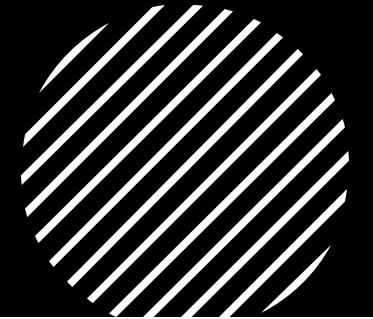
2.3d. Responds to questions in Timely Manner



## 2.3e. Accessibility Technology Response

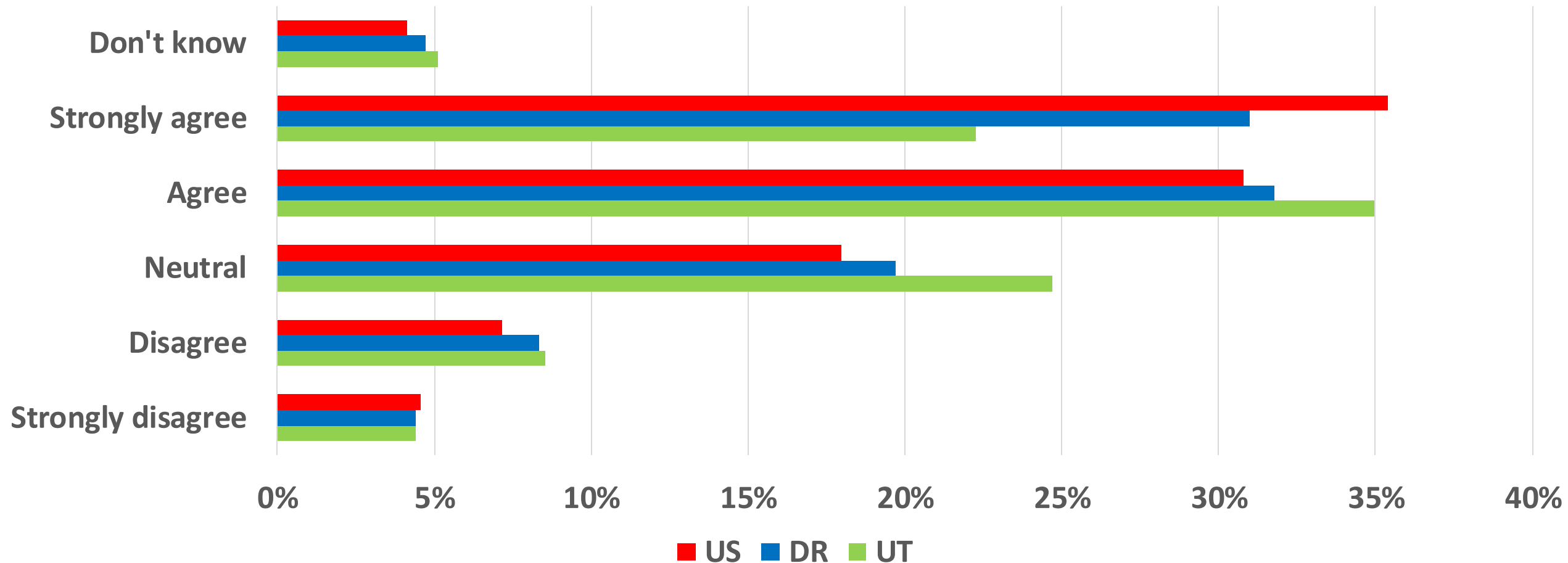
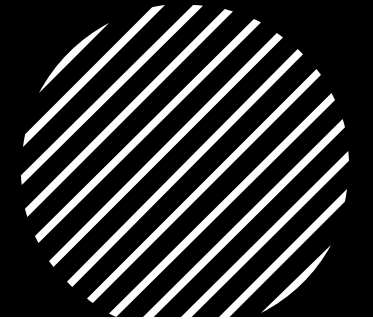


## 2.3f. Effective Technology Use in Course





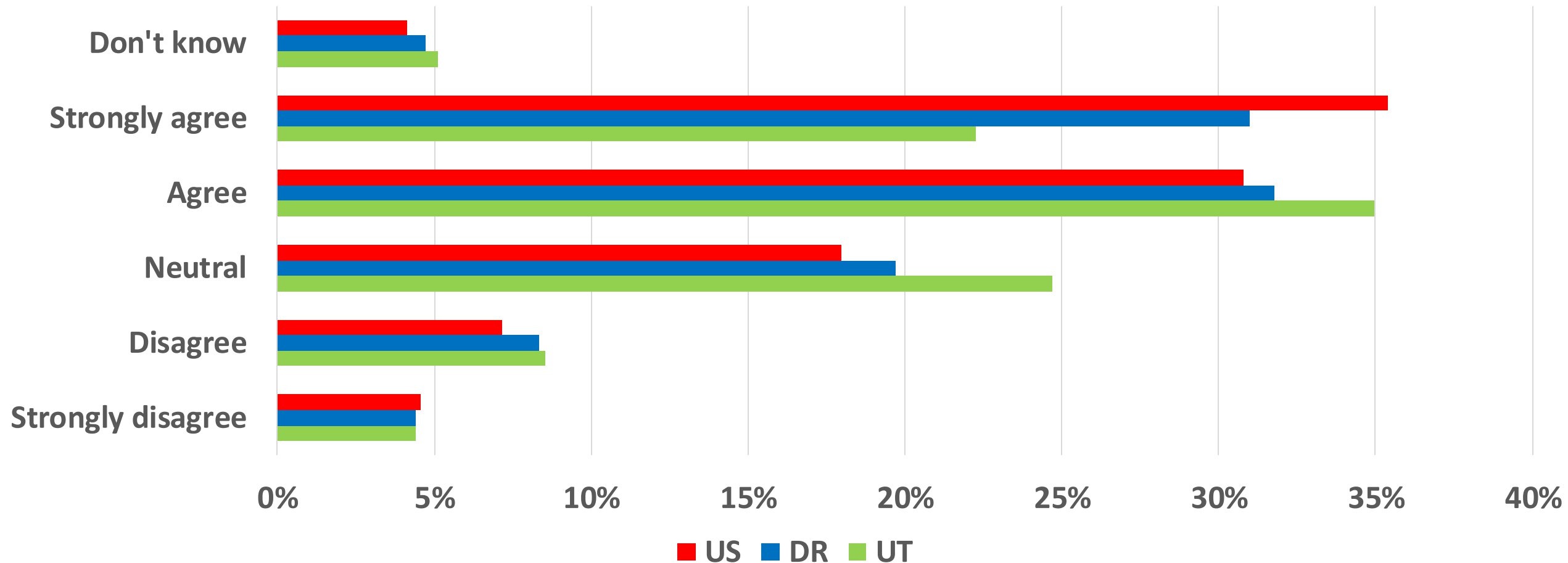
## 2.3g. Helpful Info to Tech Support Resources



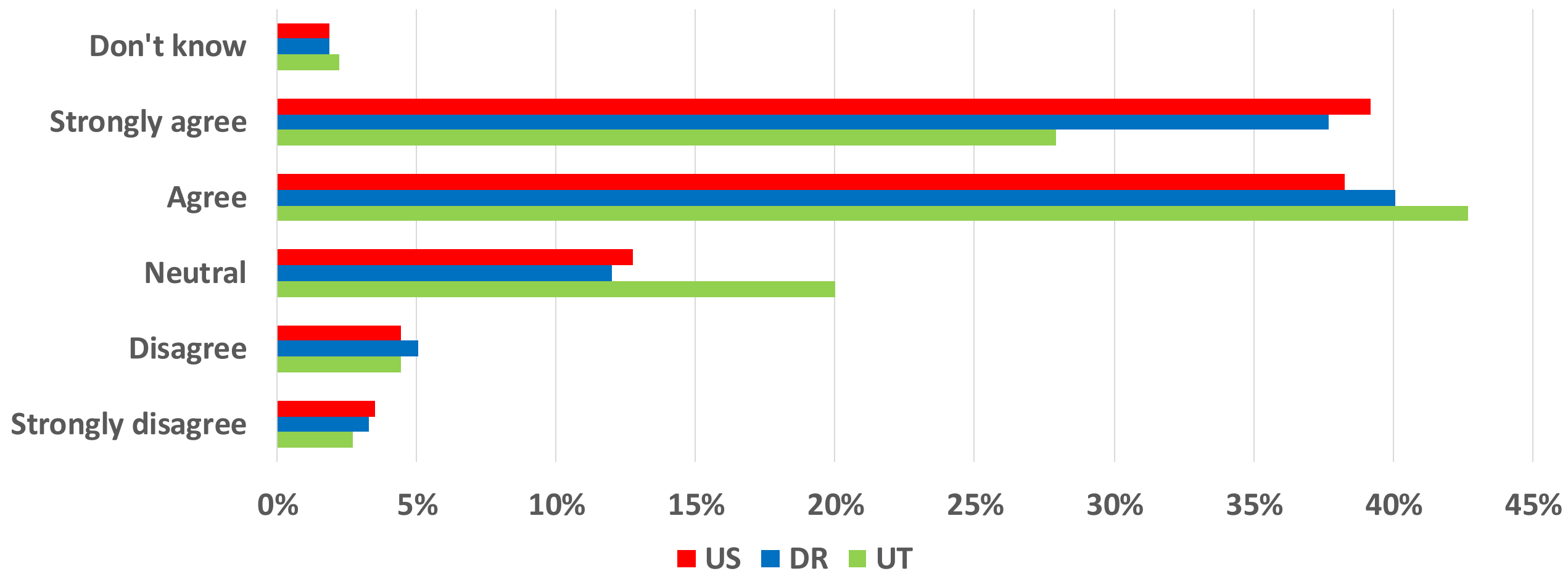
2.4 Please tell us how much you agree or disagree with the following statements about the organizational and design features of the course in which you are having your best learning experience: :



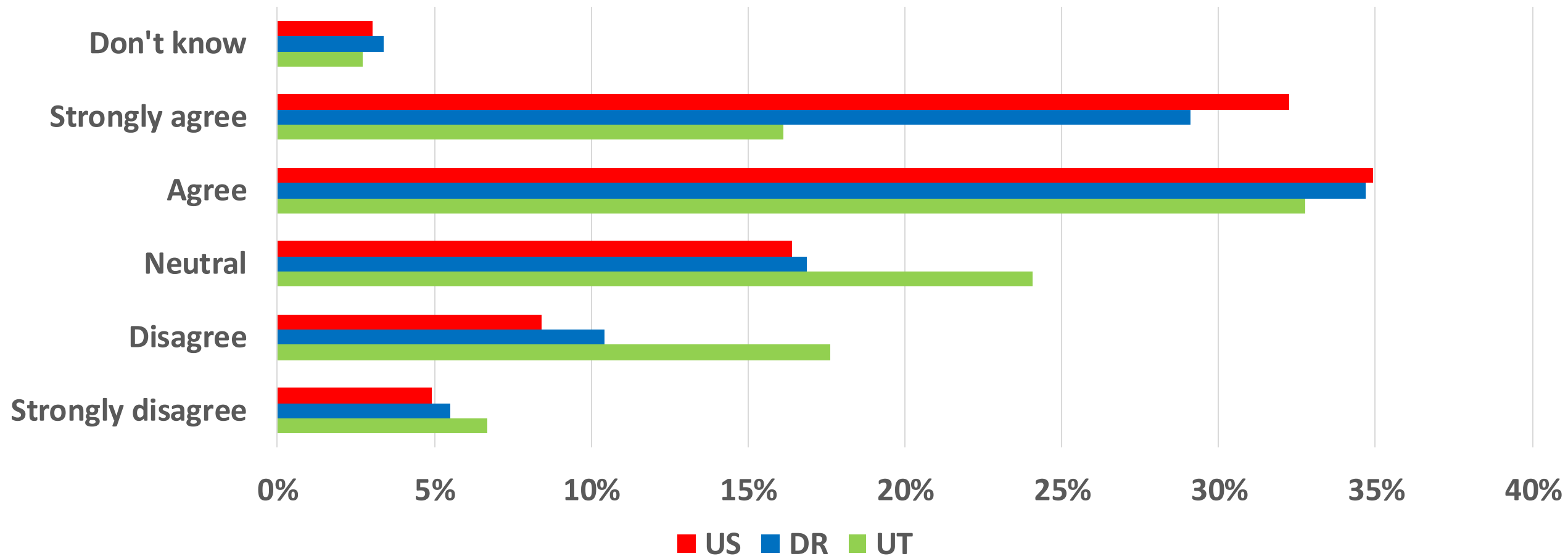
## 2.4a. Opportunities to interact and communicate with other students.



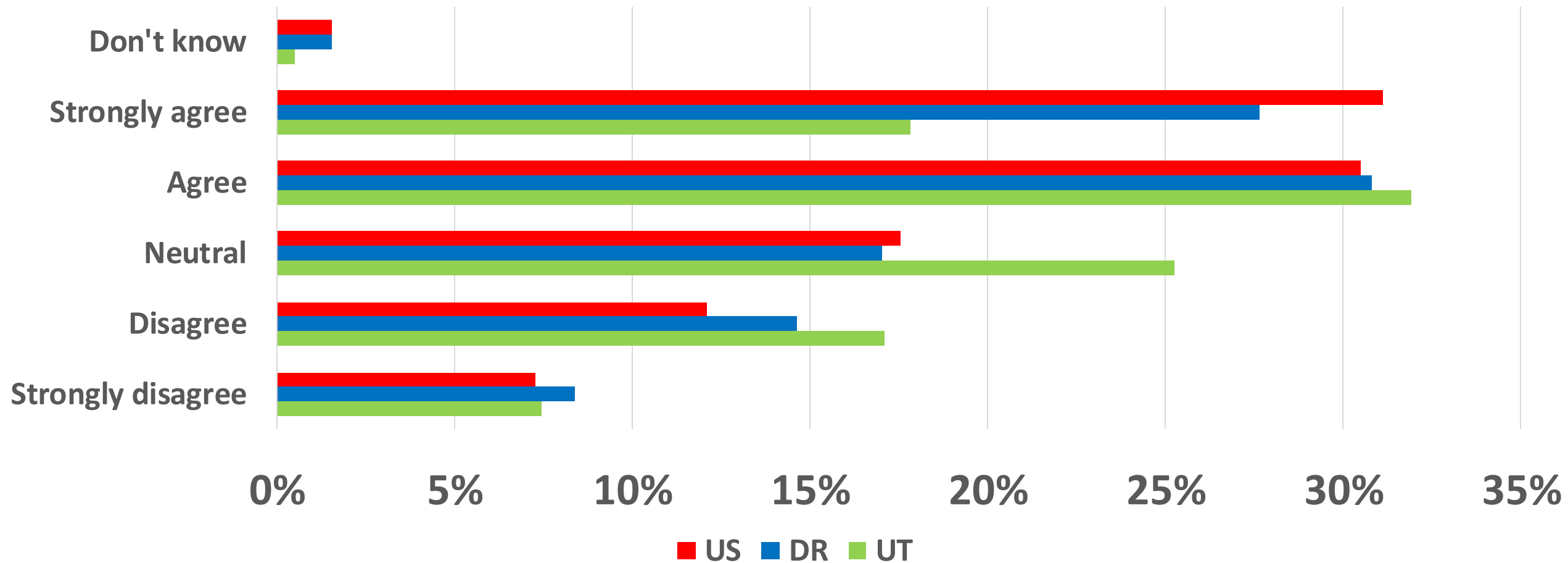
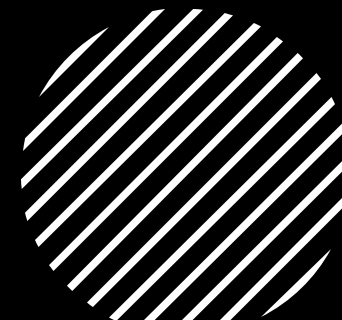
## 2.4b. Opportunity for **formal** interaction with instructor



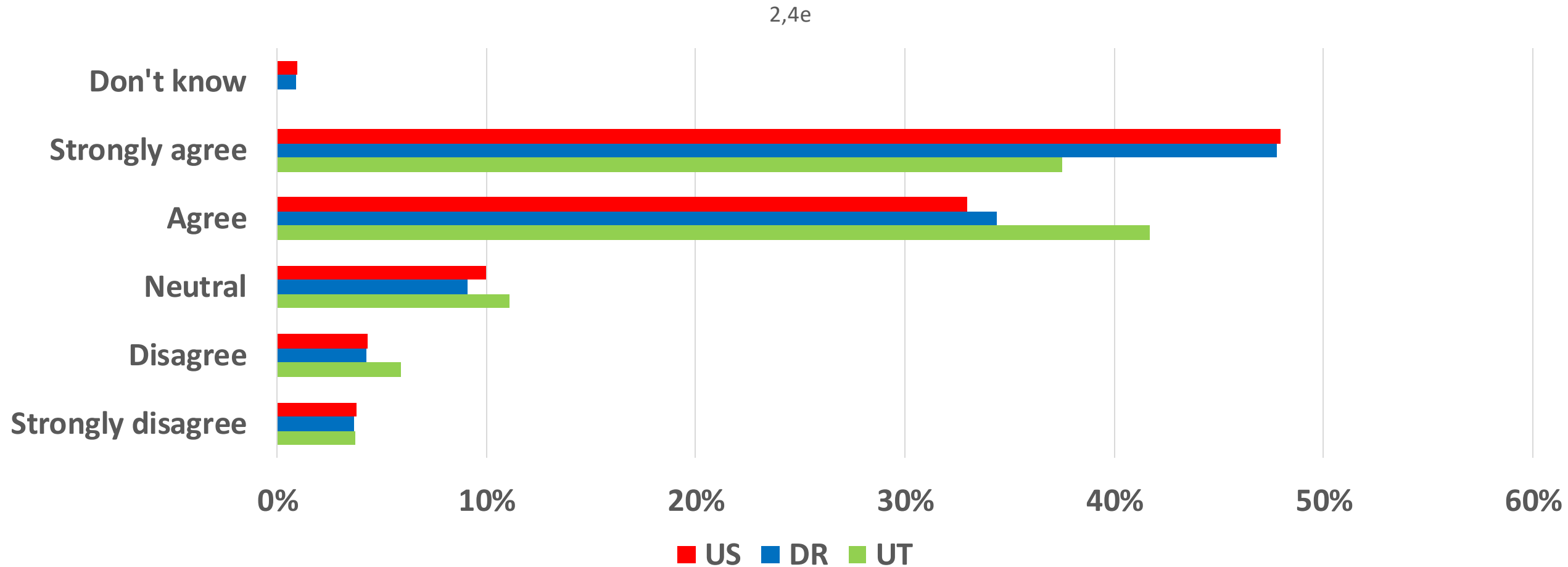
## 2.4c. Opportunity for **Informal** interaction with instructor



## 2.4d. Classmates learning from each other

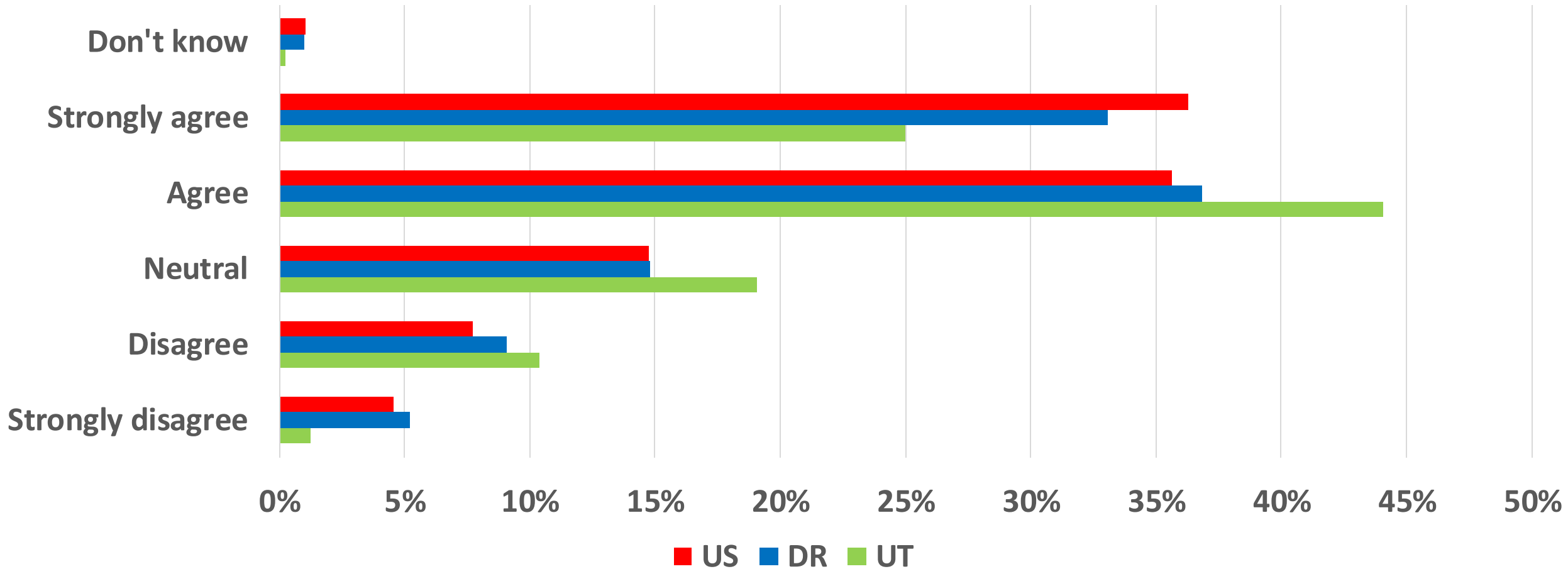


## 2.4e. Course well-organized with clear sequence of assignments.

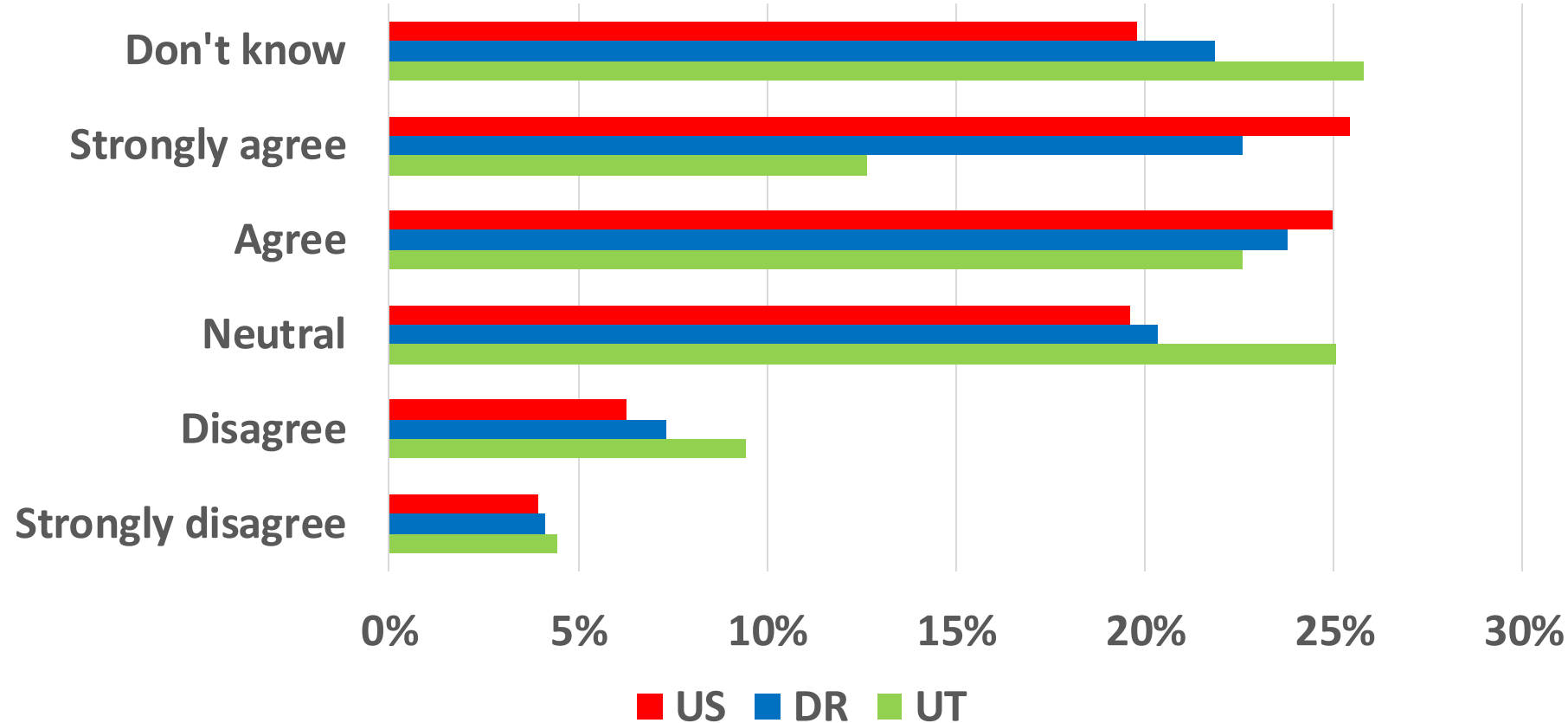




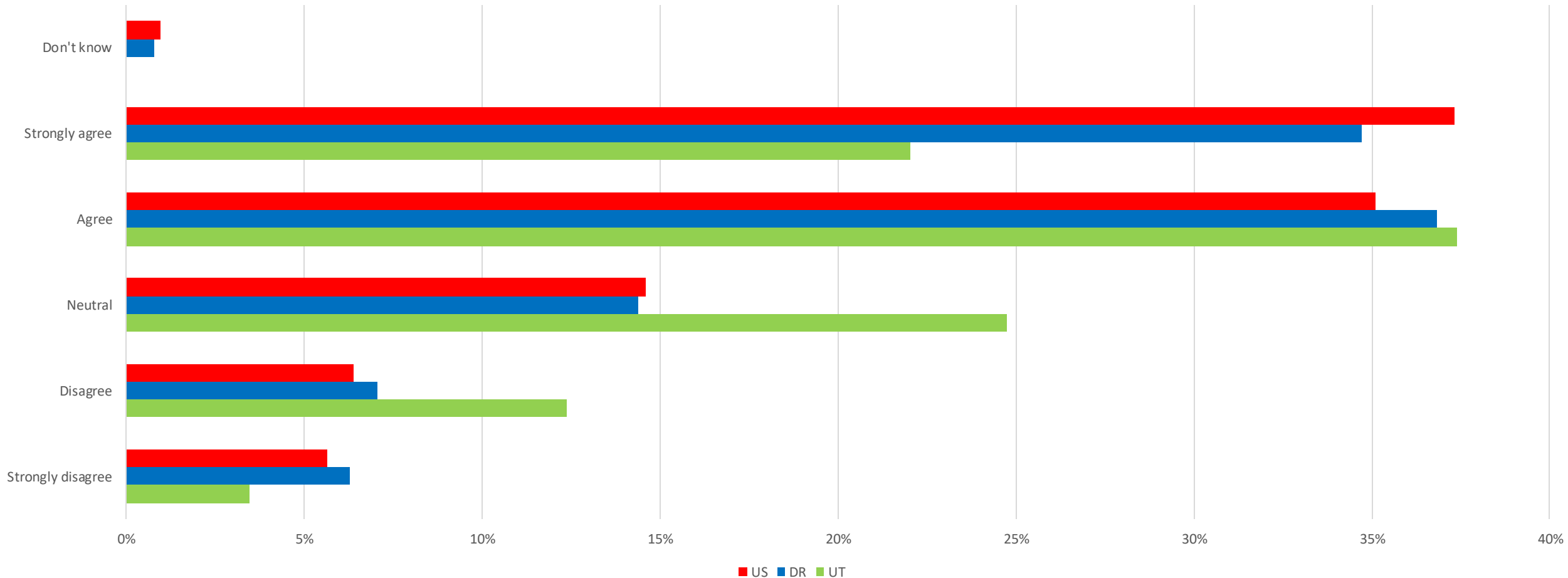
## 2.4f. Encourages variety of interactions with course content



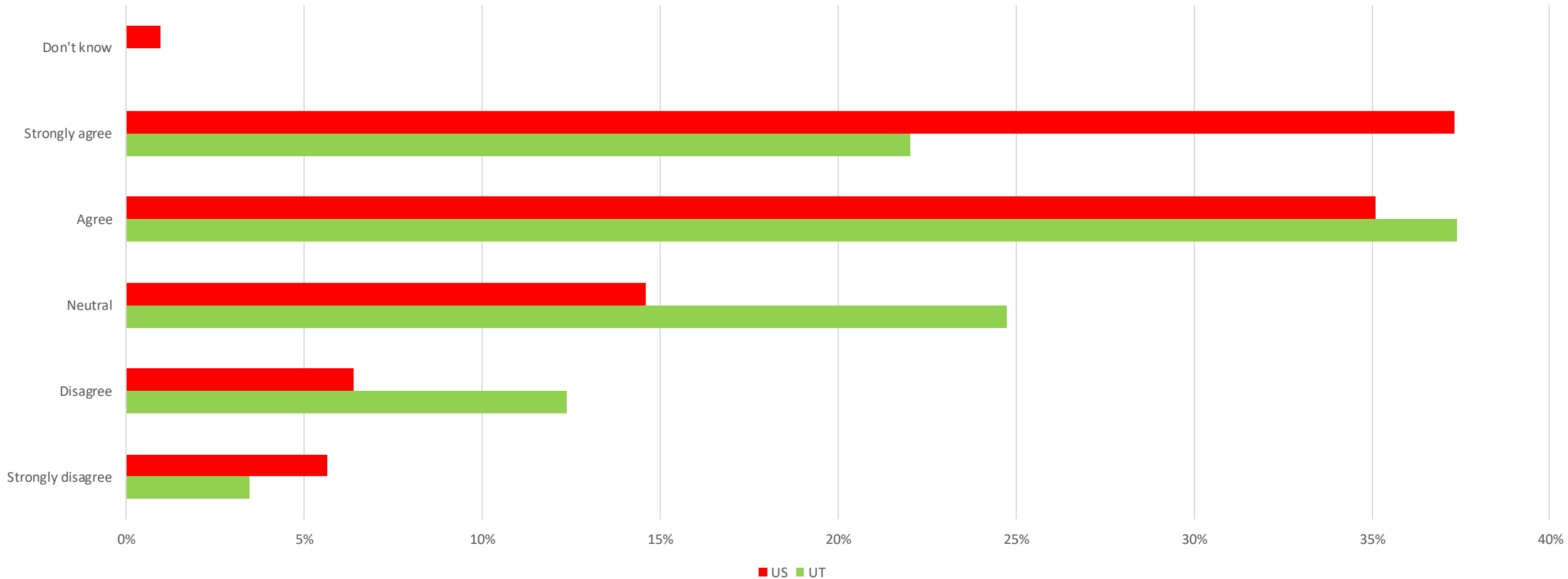
## 2.4g. course addresses/accommodates accessibility issues



2.4h. Content and activities in this course are offered in formats that fit my needs as a learner.



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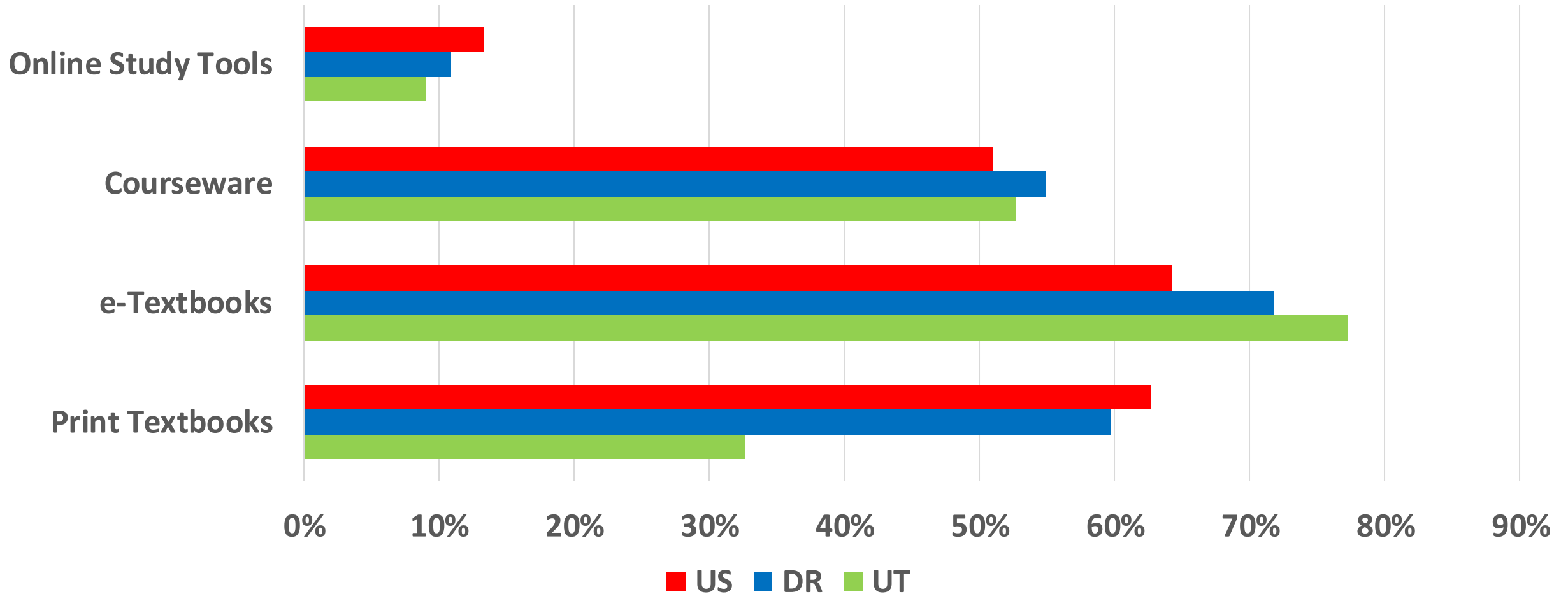


The background of the slide is a dark blue grid. Each cell in the grid contains a two-digit hexadecimal character (0-9, A-F) in a lighter blue color. The characters are slightly blurred and vary in opacity, creating a sense of depth and digital data. The overall effect is reminiscent of a computer screen or a data visualization.

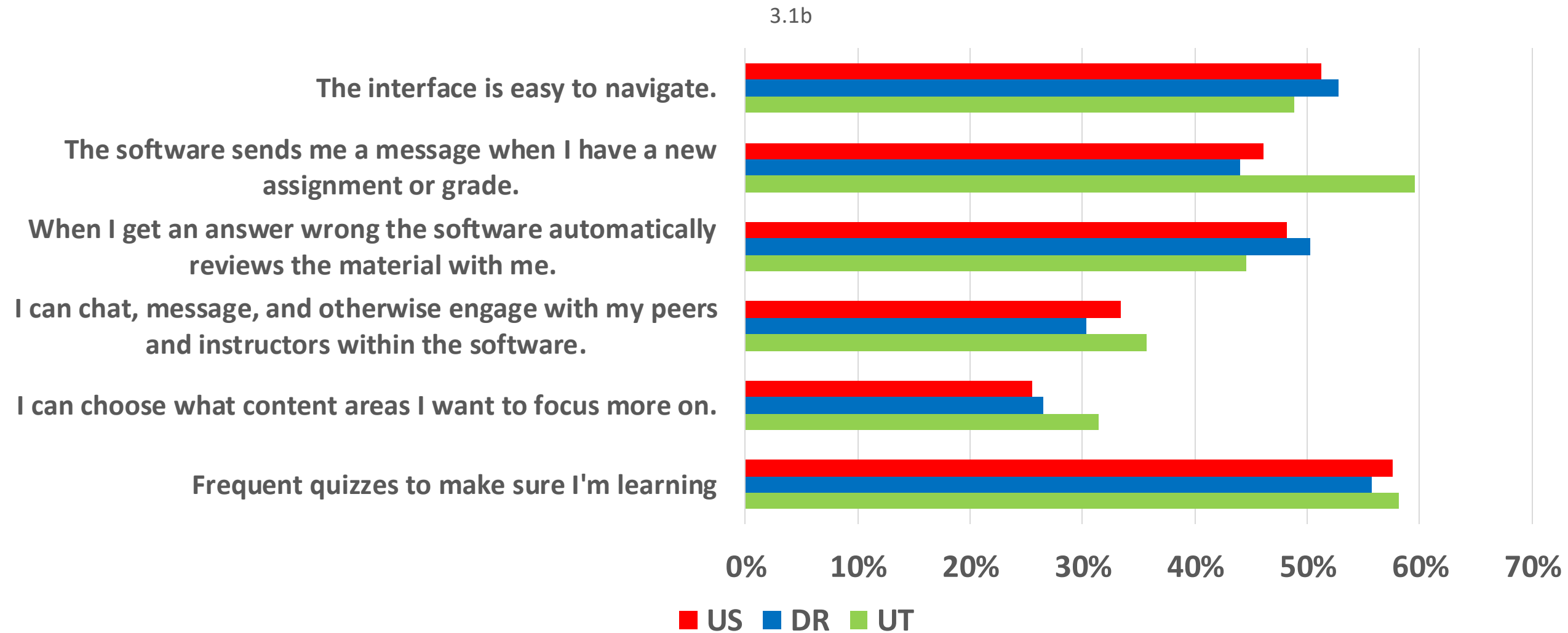
# Digital Instructional Materials



### 3.1. What kinds of course materials do you use?



## 3.1b. What features of courseware improve your learning?

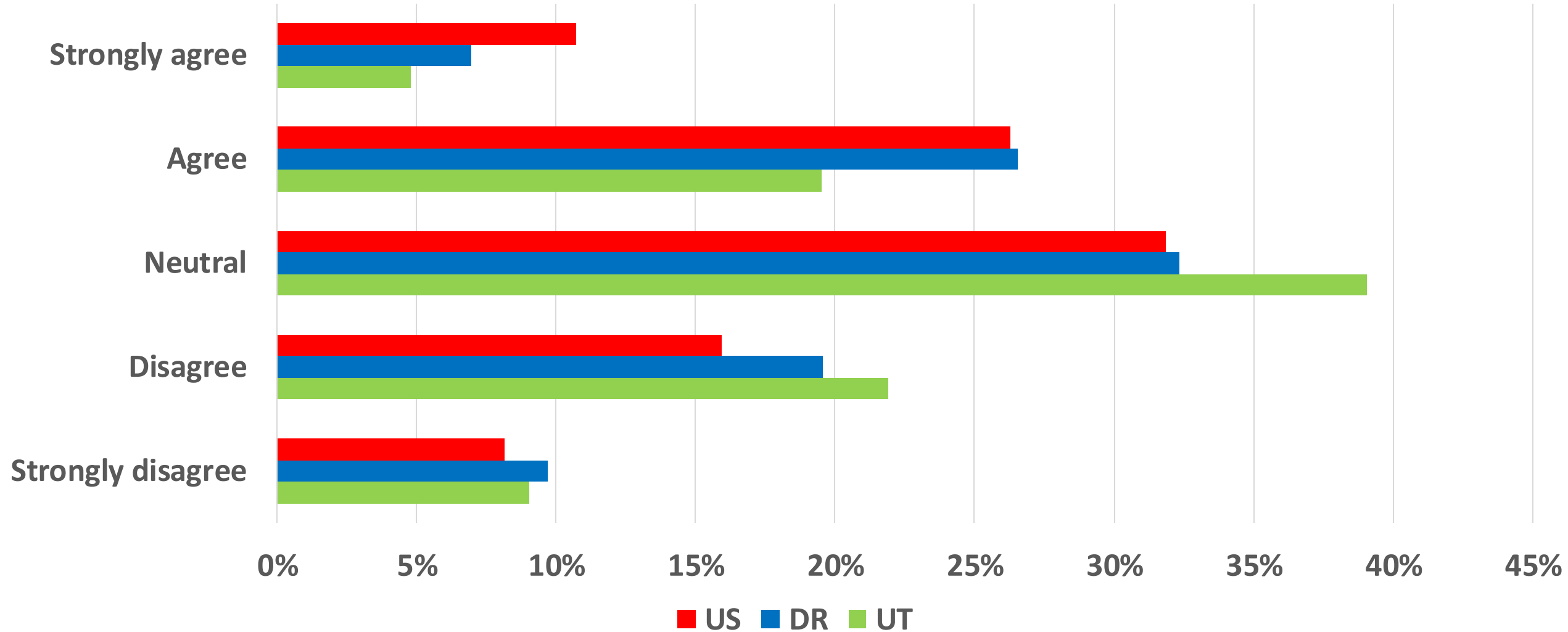


3.1 Please tell us how much you agree or disagree with the following statements about the use of courseware in your classes:

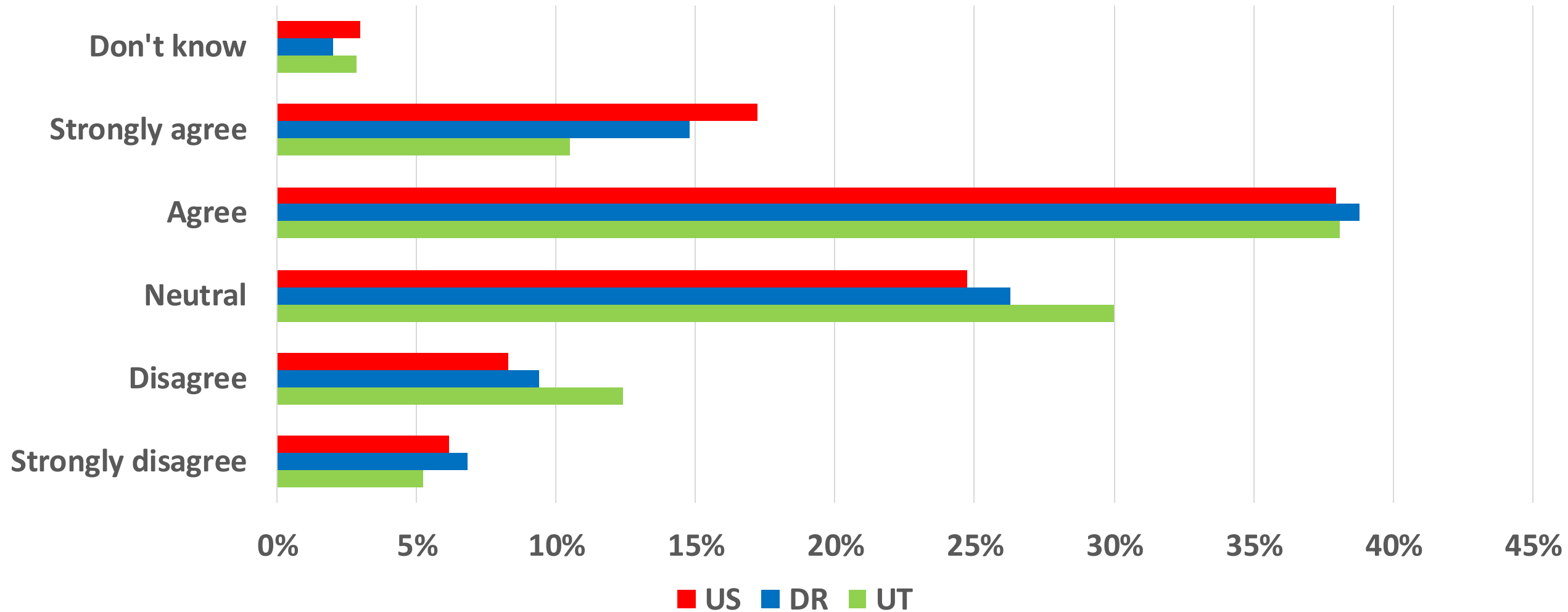




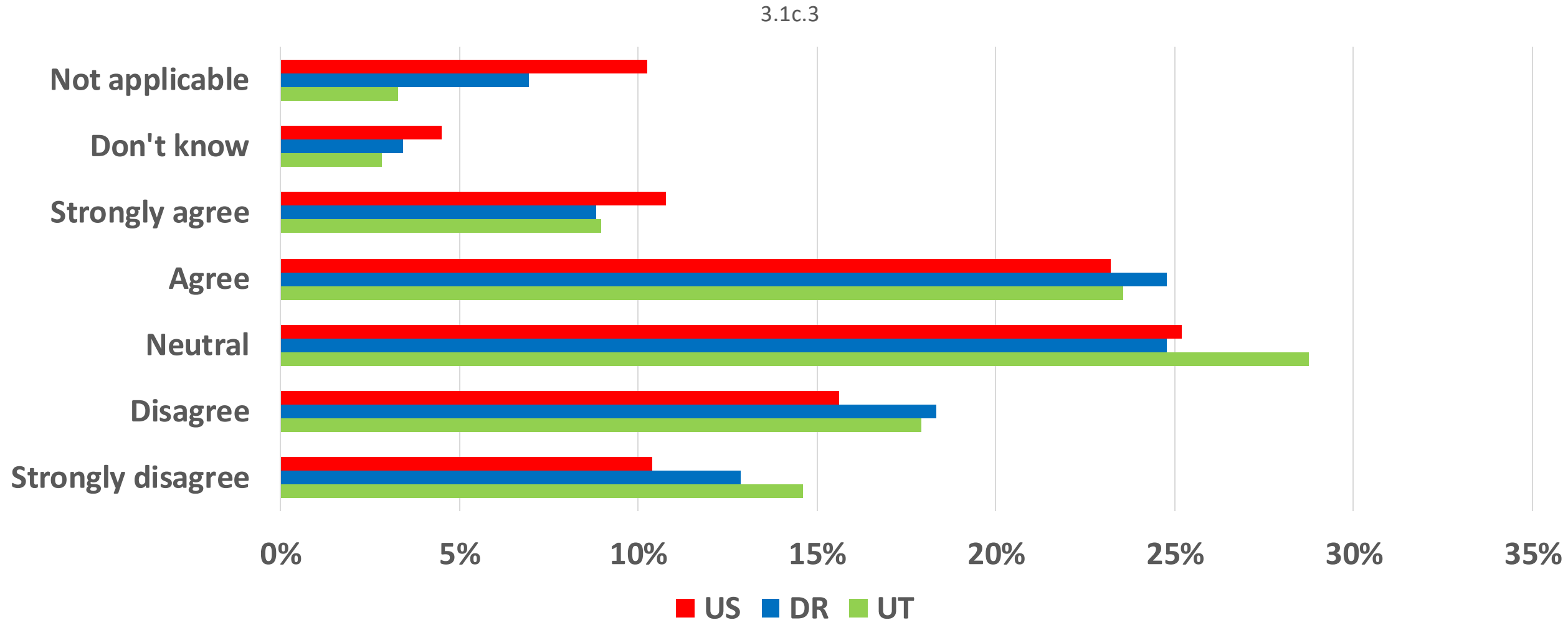
### 3.1c.1. Courseware adapts to my unique needs.



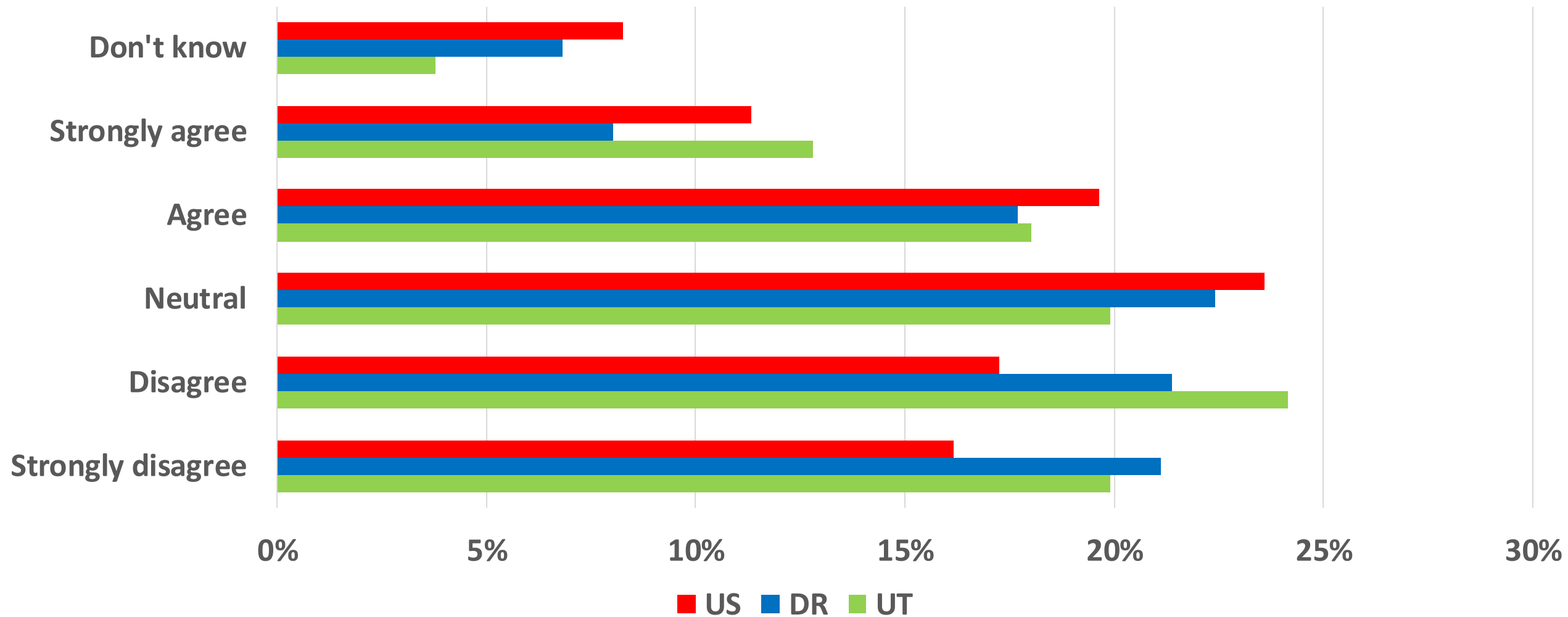
### 3.1c.2. Using courseware improves my learning.



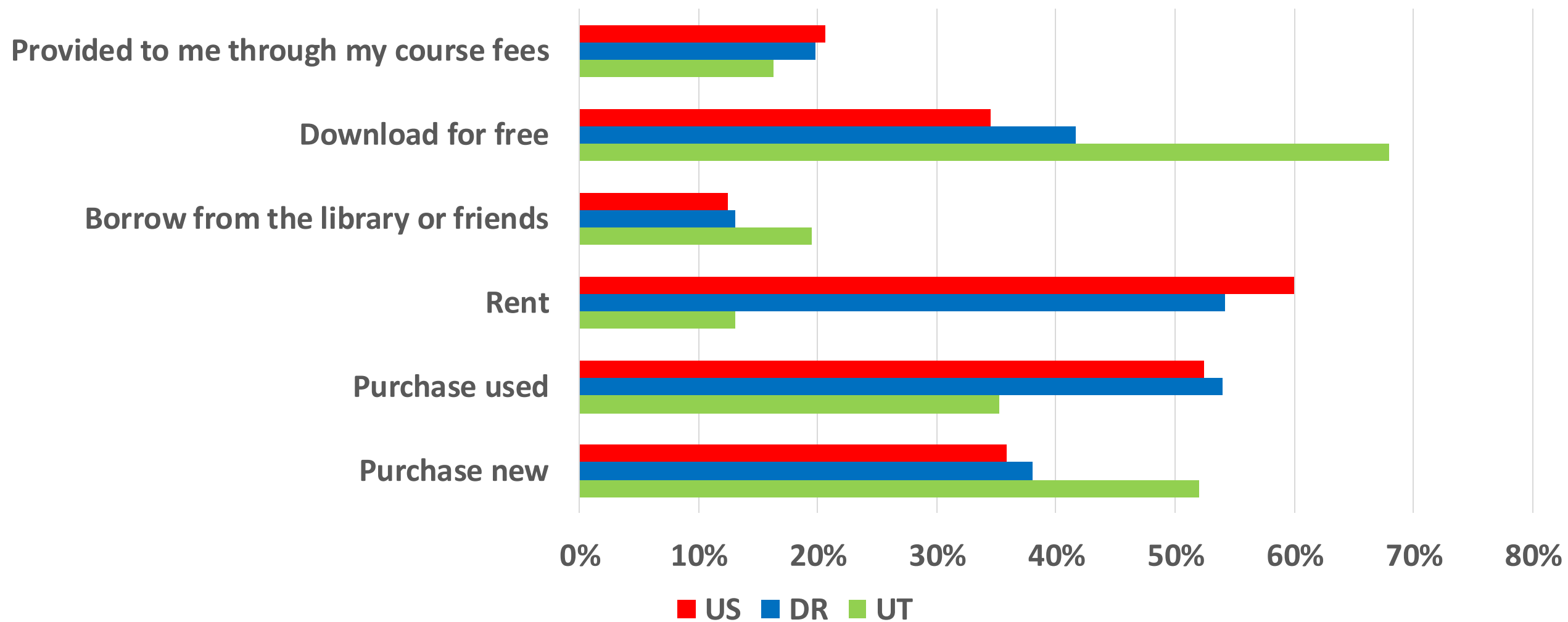
### 3.1c.3 Using courseware makes me feel more engaged in large classes (100+ students).



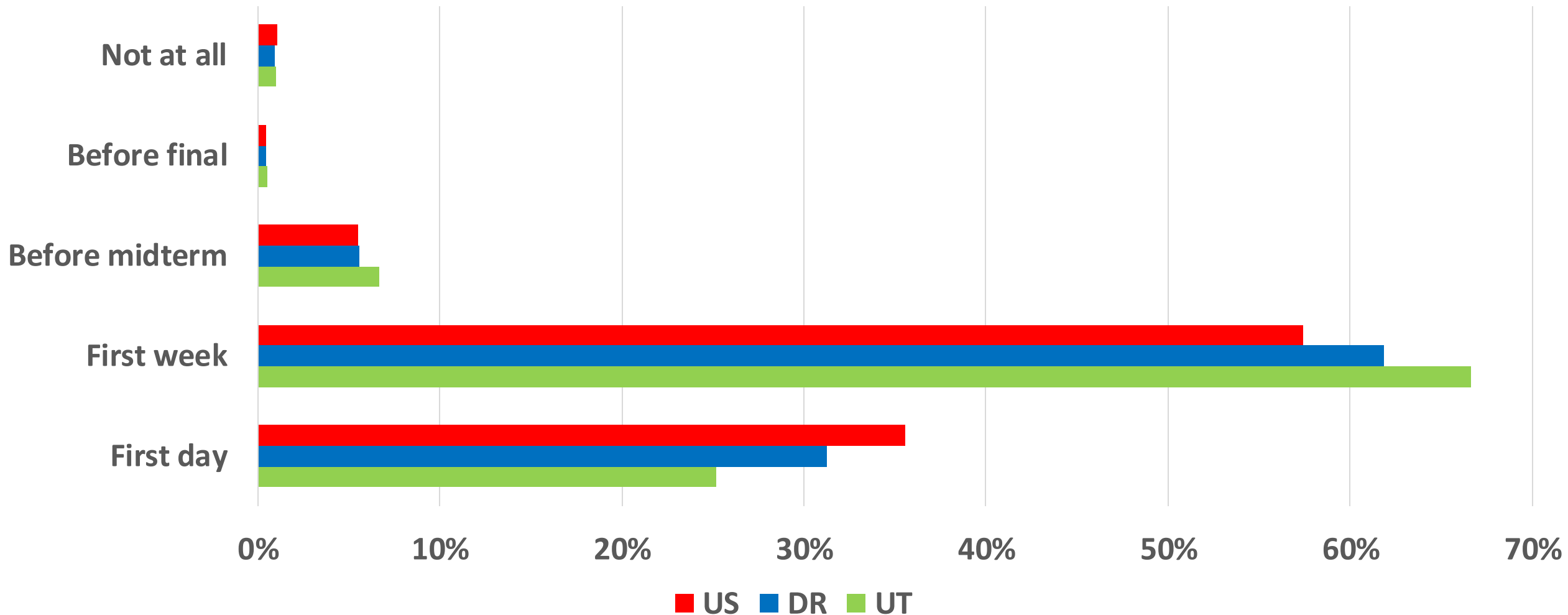
### 3.1c.4. Using courseware saves me money.



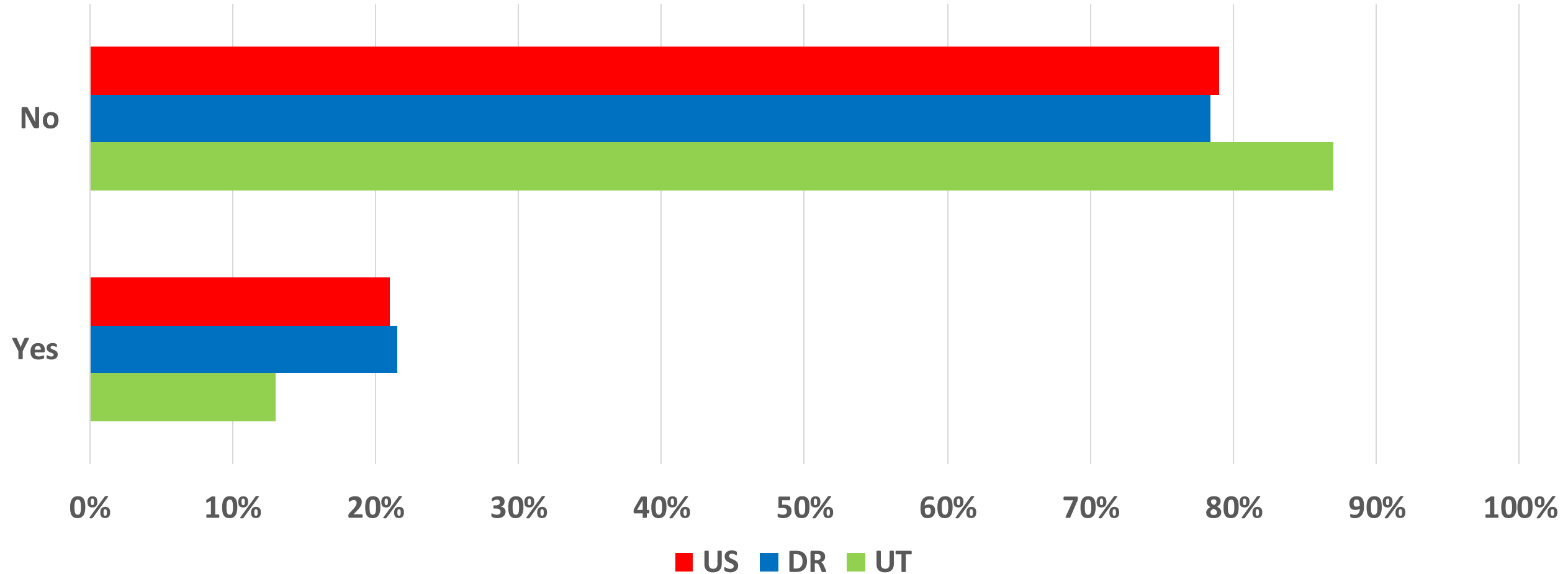
## 3.2. How do you typically access your course materials



### 3.3 How soon do you typically have access to your course materials after the start of the course?



### 3.4 Have you purchased a study aid or tool this term (e.g., Chegg, CourseHero)?



## Key Takeaways

1. Make allowances for less than optimal remote learning experiences
2. Provide interaction and flexible learning options
3. Use fewer applications
4. Help students adjust to online learning
5. Clarify academic integrity expectations
6. Raise awareness of where to get IT help





# Observations

- Your thoughts
- Good results
- Adaptive nature of students, faculty and staff quite amazing
- Equity is not equality
- Apply additional elements of compassion
- Filters may let a bit more through, but societal benefit exceed
- Tribute to all the collective work, patience, creativity, heroic efforts across the community



# Thank you.

- Data and presentation materials are available to share
- Please contact me ([marden.paul@utoronto.ca](mailto:marden.paul@utoronto.ca)) if you'd like to spend more time on the results or share with your department
- Gearing up to do this survey annually
- There's a Faculty survey too but Educause will not be running this year due to the pandemic