

Professor's Preference Nested Classroom Scheduling System

Undergraduate Research Opportunity Program
 University of Minnesota Duluth Labovitz School of Business and Economics
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Introduction

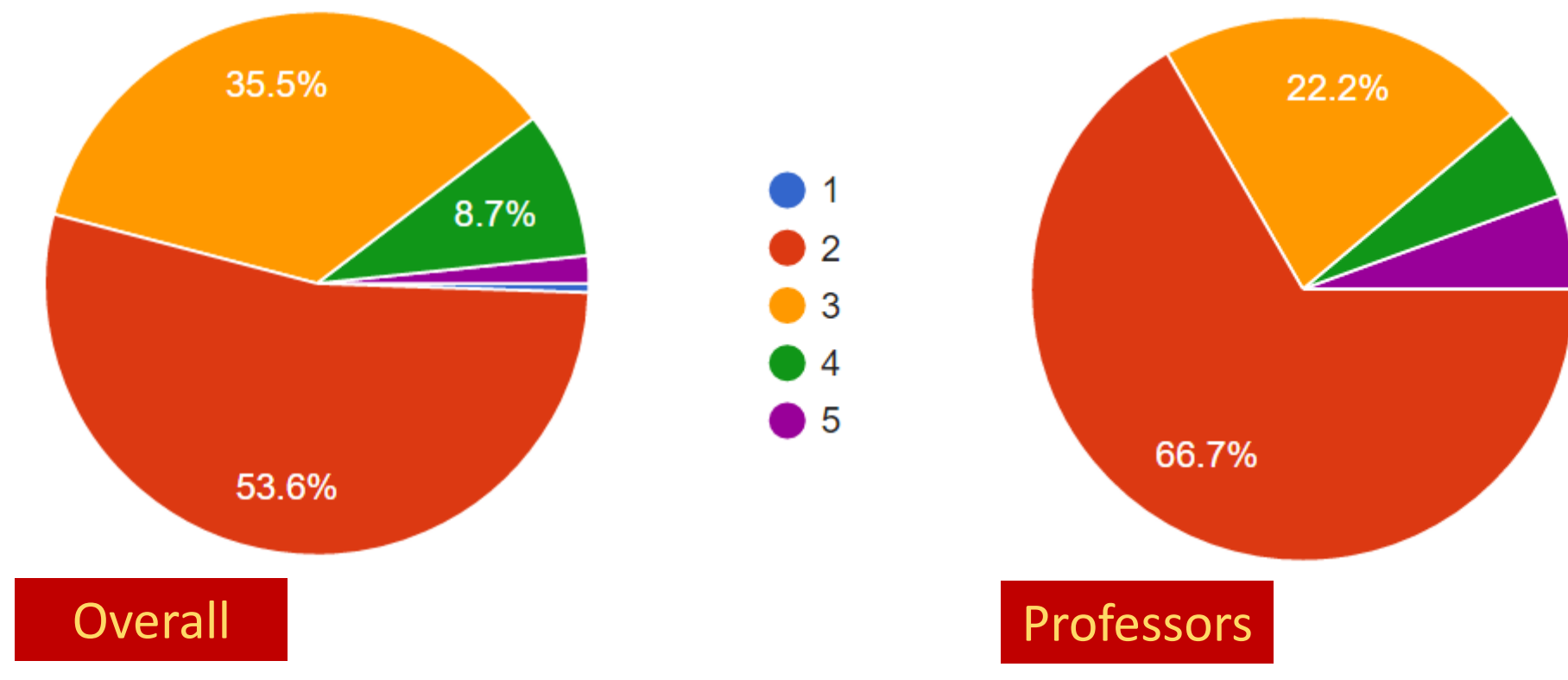
Background: Some professors at LSBE wishes to have twice a week class

Monday, Wednesday, Friday V.S. Tuesday, Thursday

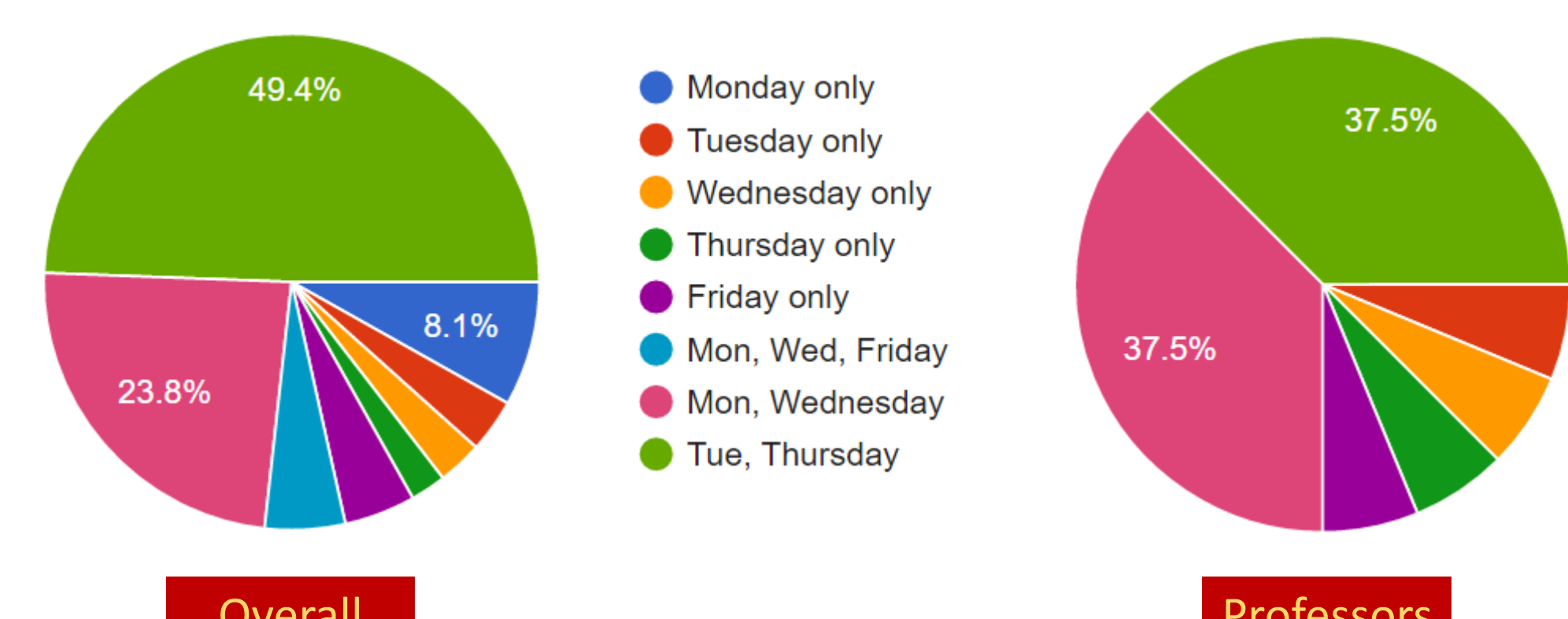
Problem: However, they need to have three times a week class annually due to current class scheduling system.

Goal: Discover how both professors and students think about it and determine its influence on the quality of education.

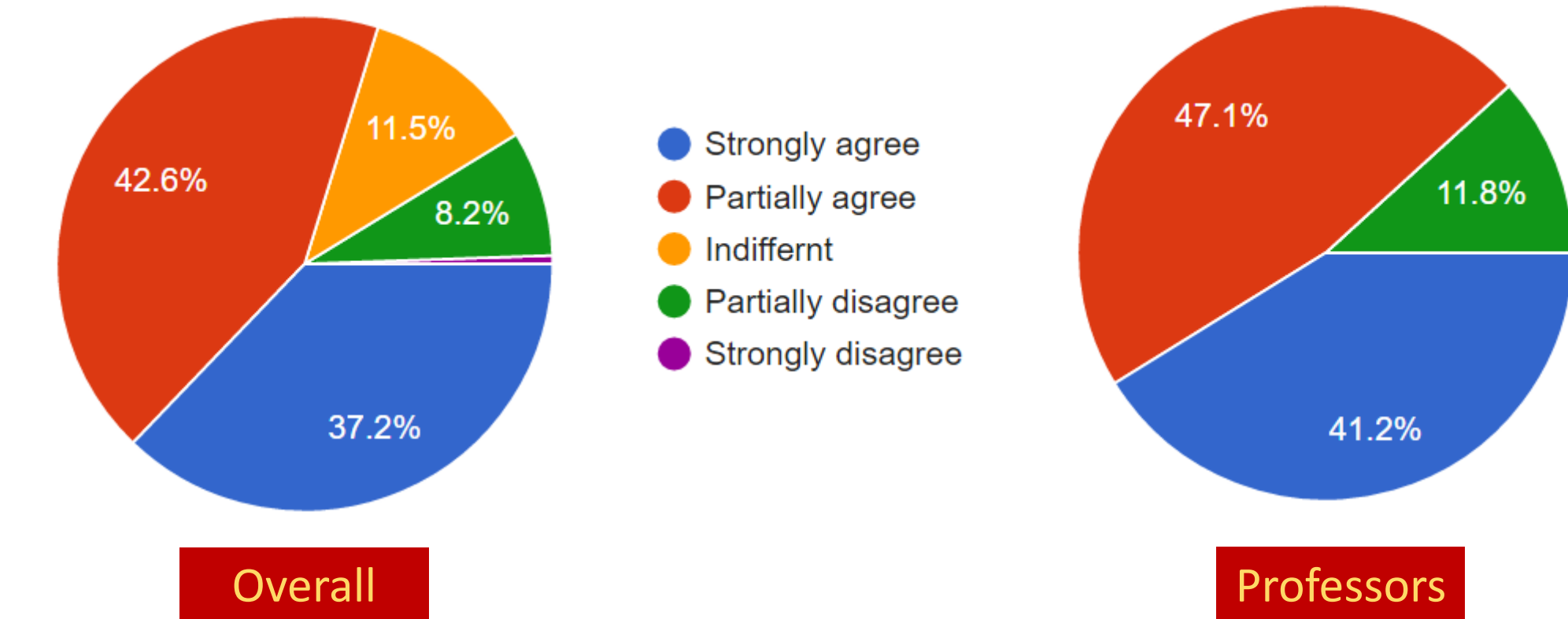
Maximum number of meeting time(s) preferred



If you needed to add one or more courses to your finalized schedule, which days would be best?



Class meeting schedule & Impacts on effectiveness of teaching?

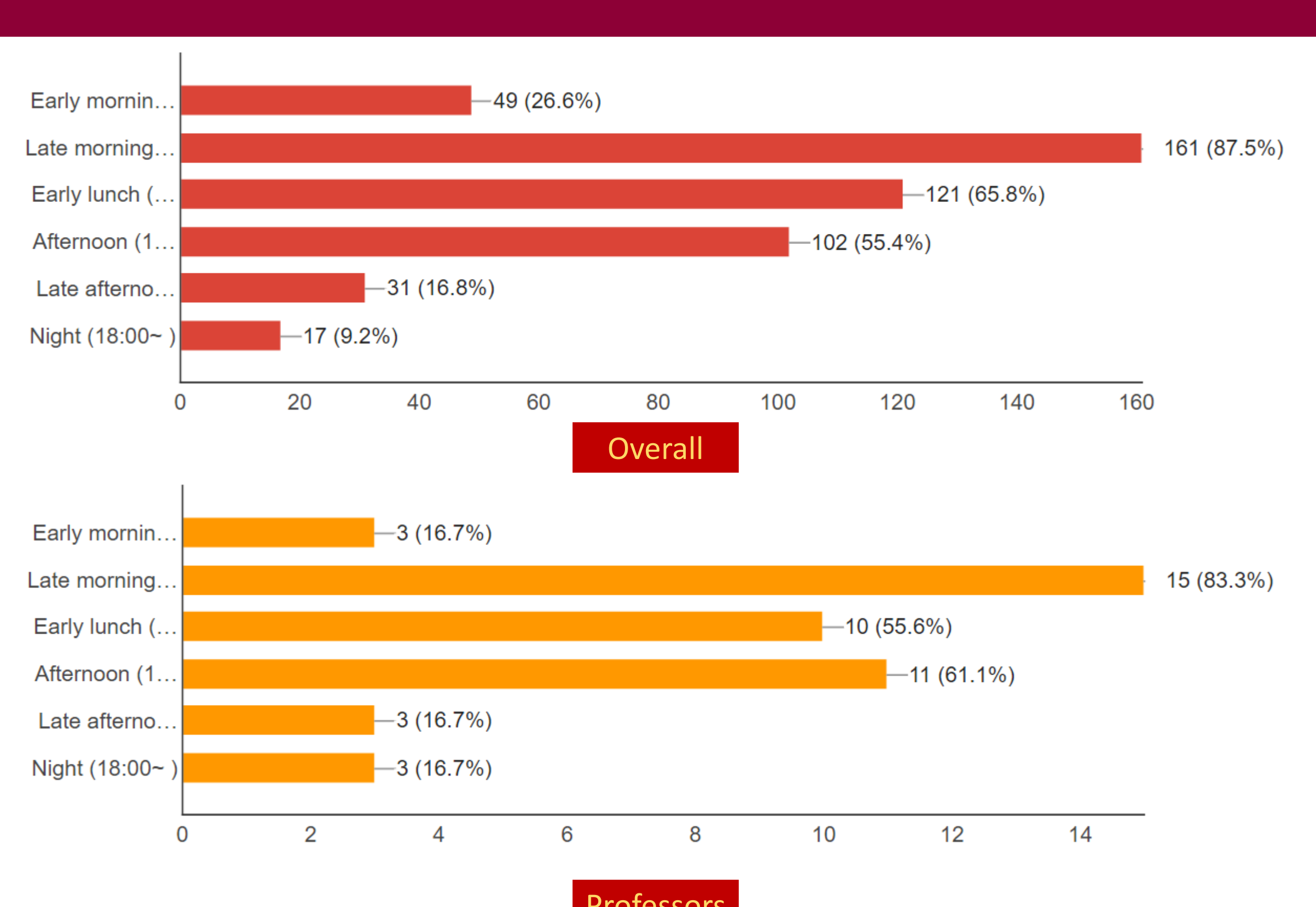


Different Perspective

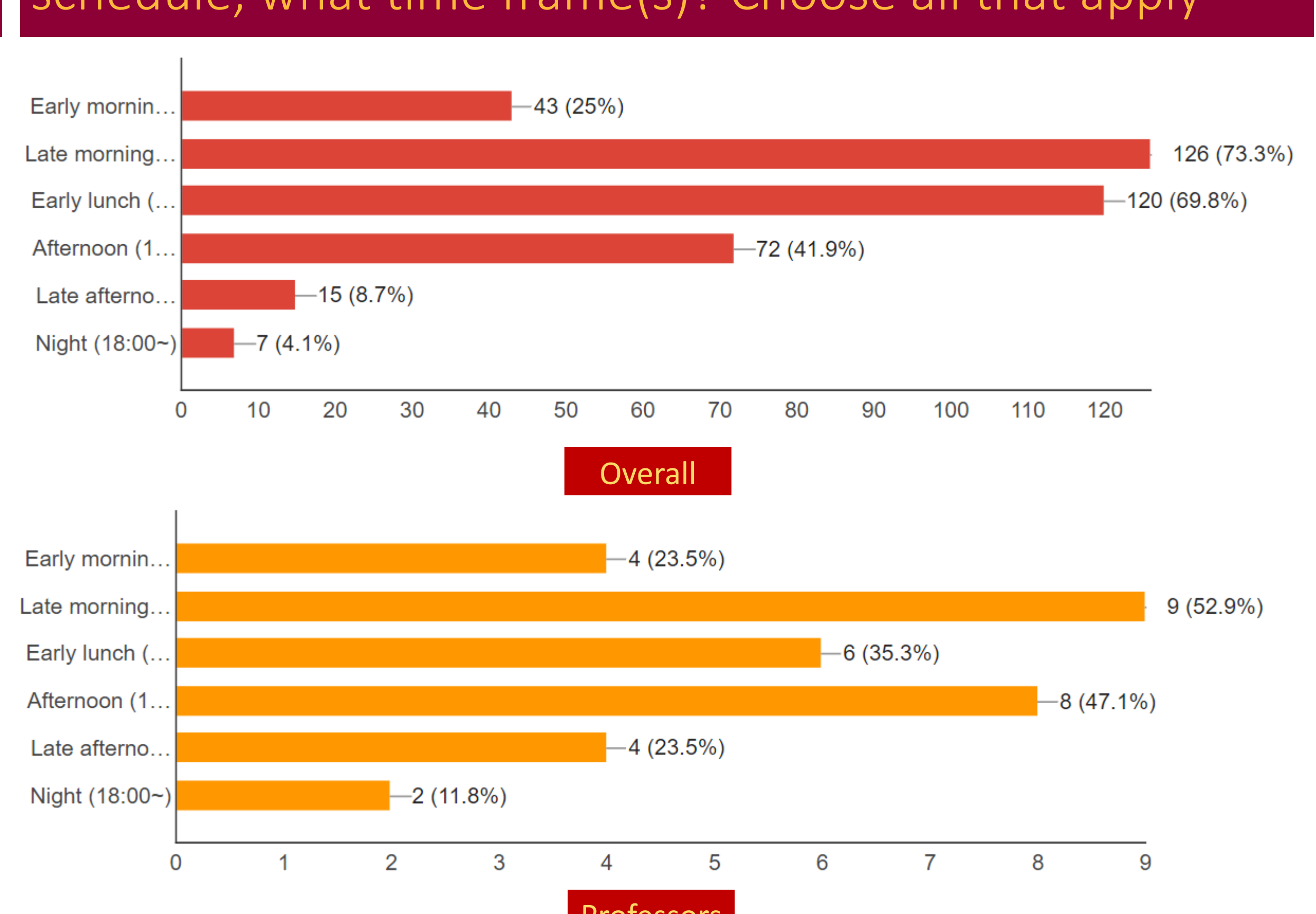
Professor's point of view

- Students don't really care
- Just go and take the class
- Wish the class will over soon
- Hope the class is cancelled
- 50 minutes limitation
- Short review, Main concept, Example, Discussion
- Twice a week is more efficient
- In depth learning opportunity

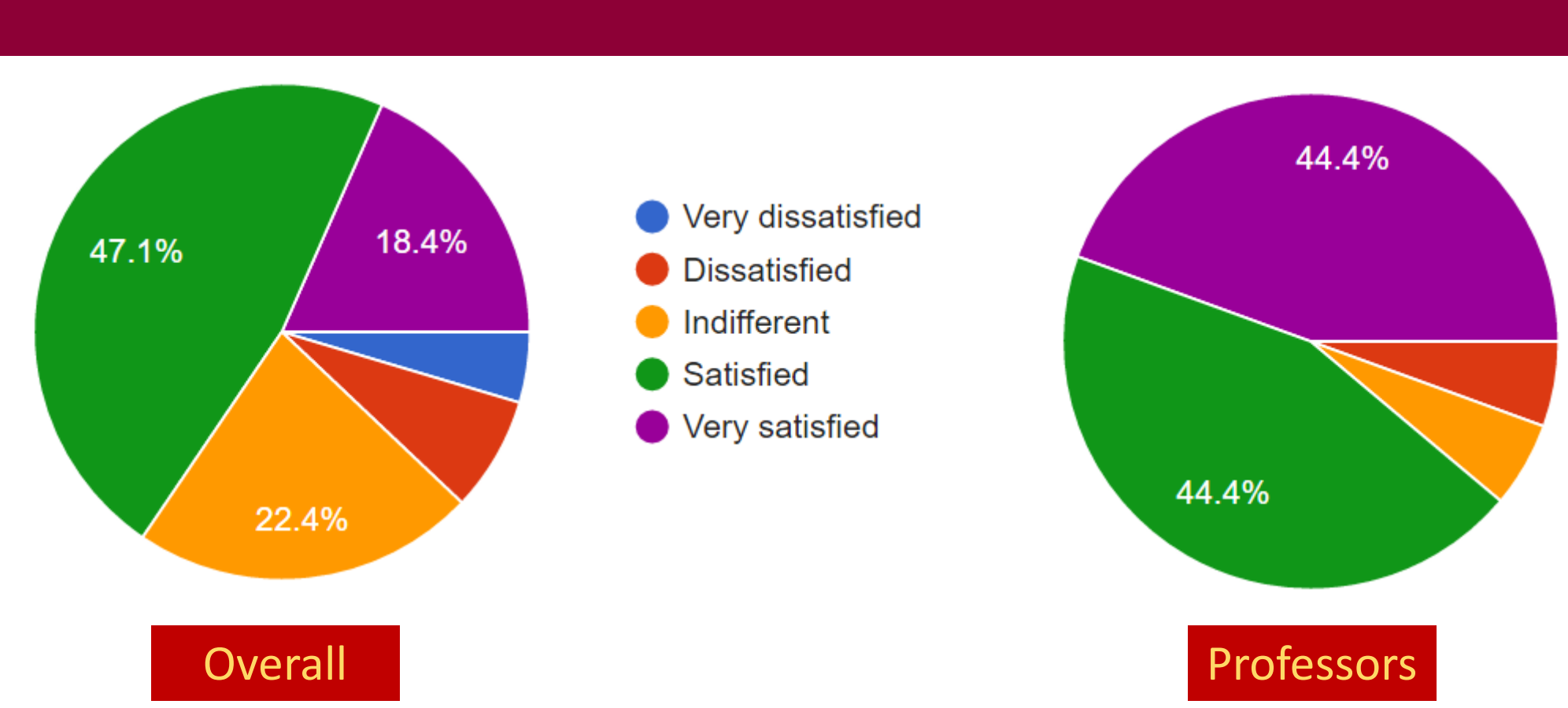
What time(s) would you prefer to start class?



If you need to add one more course(s) to your finalized schedule, what time frame(s)? Choose all that apply



Satisfaction with UMD education

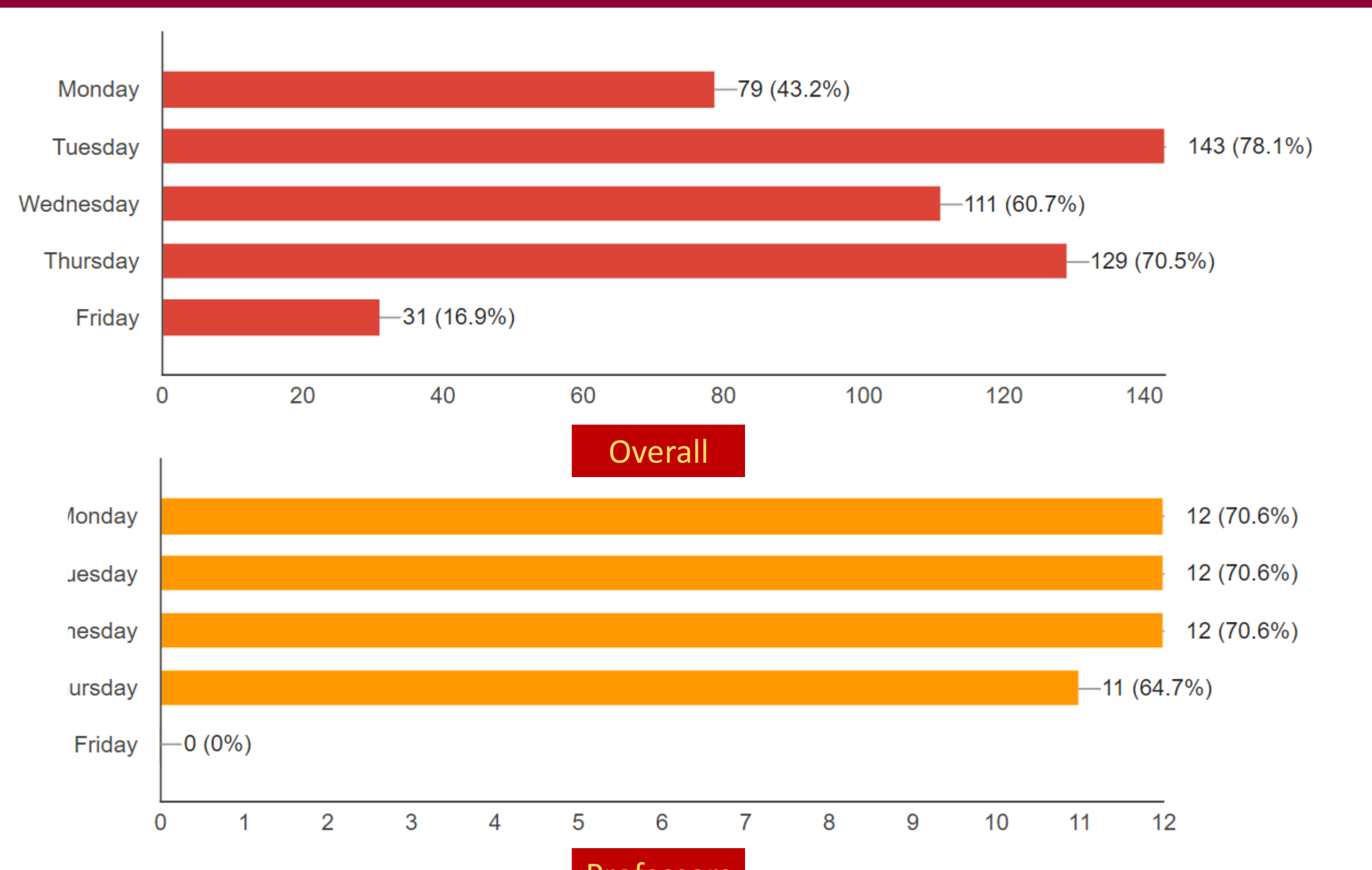


Steps

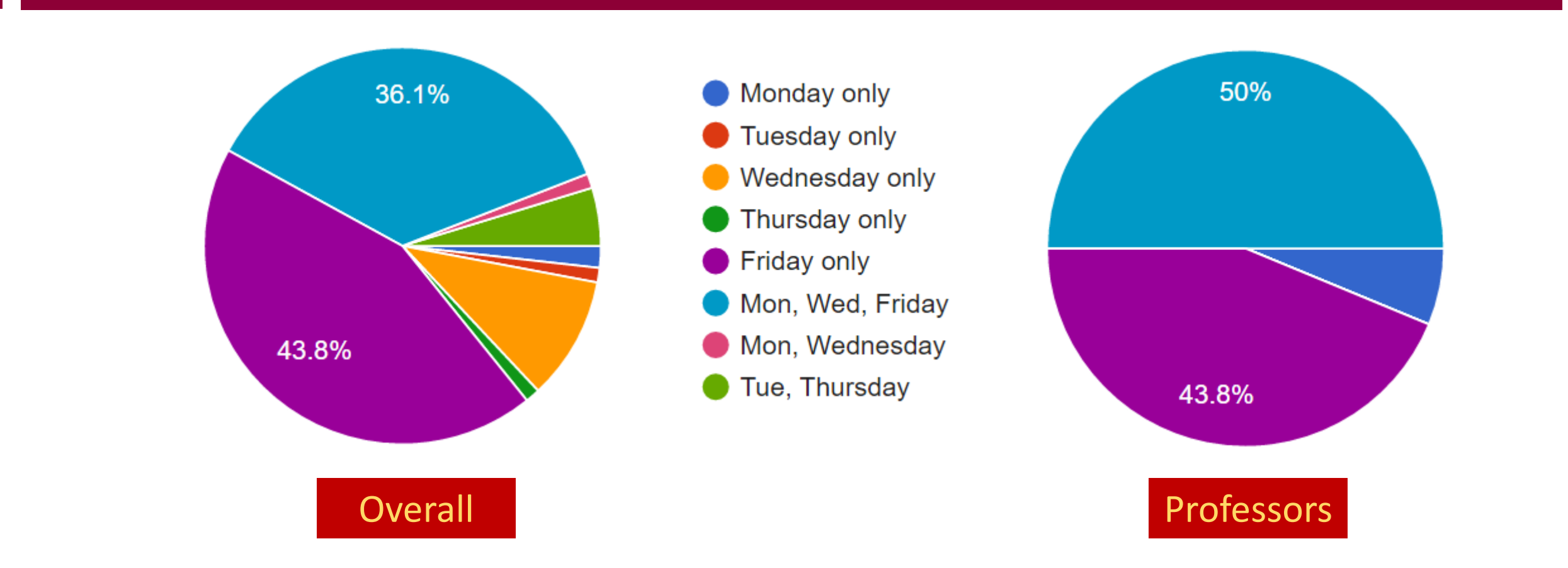
- Come up with survey
- Surveyed around 180 people from LSBE
- Both students and professors
- Approach the problem from data analytic view
- Used Google Form, R, Tableau for analysis



On which day(s) do you prefer to have more classes?



If you need to drop one course in your finalized schedule, assuming all courses are equally important, the course with which of the following schedules do you want to drop?



Additional Comments

I prefer when upper level courses meet 3 days a week rather than two. This is especially true with major-specific courses.

I believe moving to a "four-day-week" could be effective. With longer class sessions to really be able to get into the "meat" of the topics and discussions.

I think overall satisfaction with classes is more a product of how good the professor is; the scheduling of classes is generally an afterthought.

I would love to have longer class time each day if it meant we had 4 day weeks.

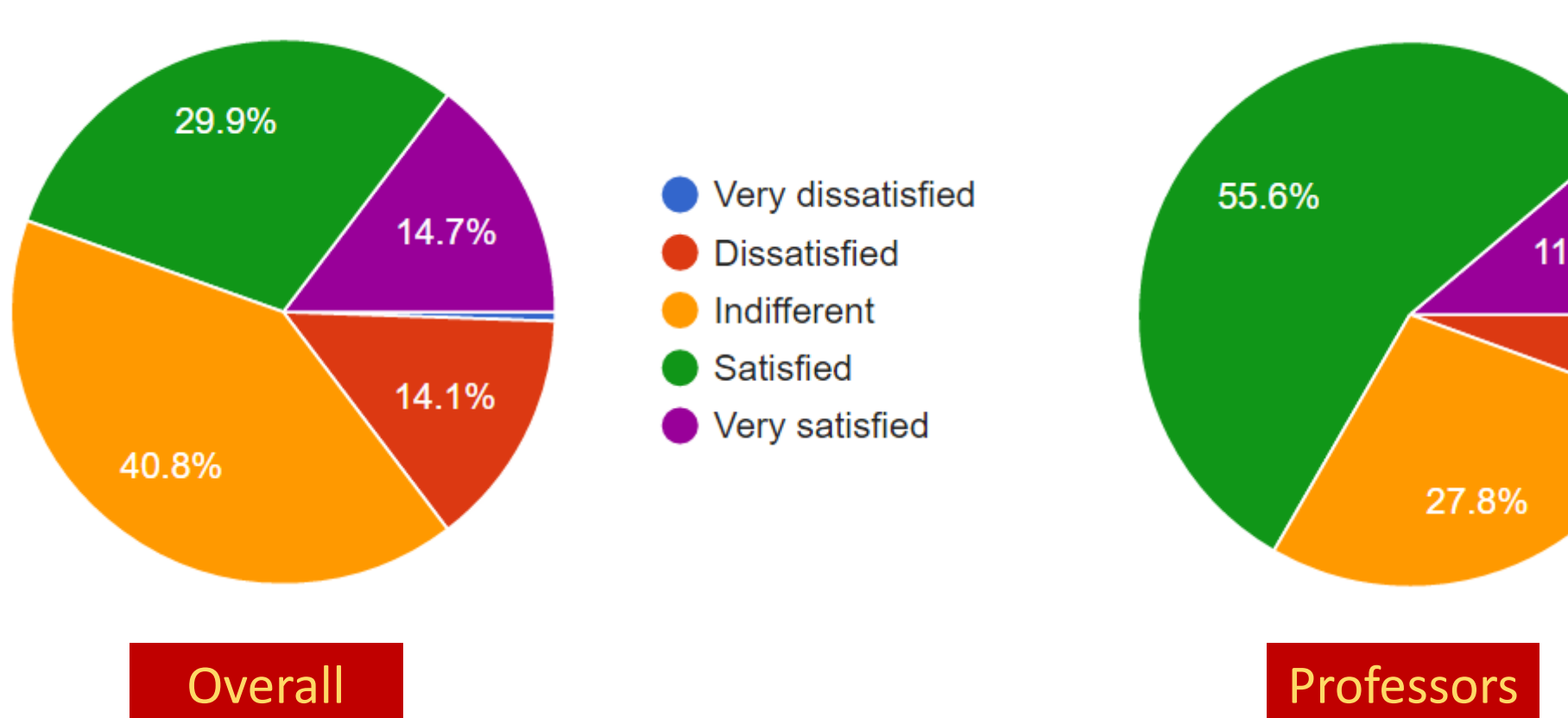
Summary of the collected data using R

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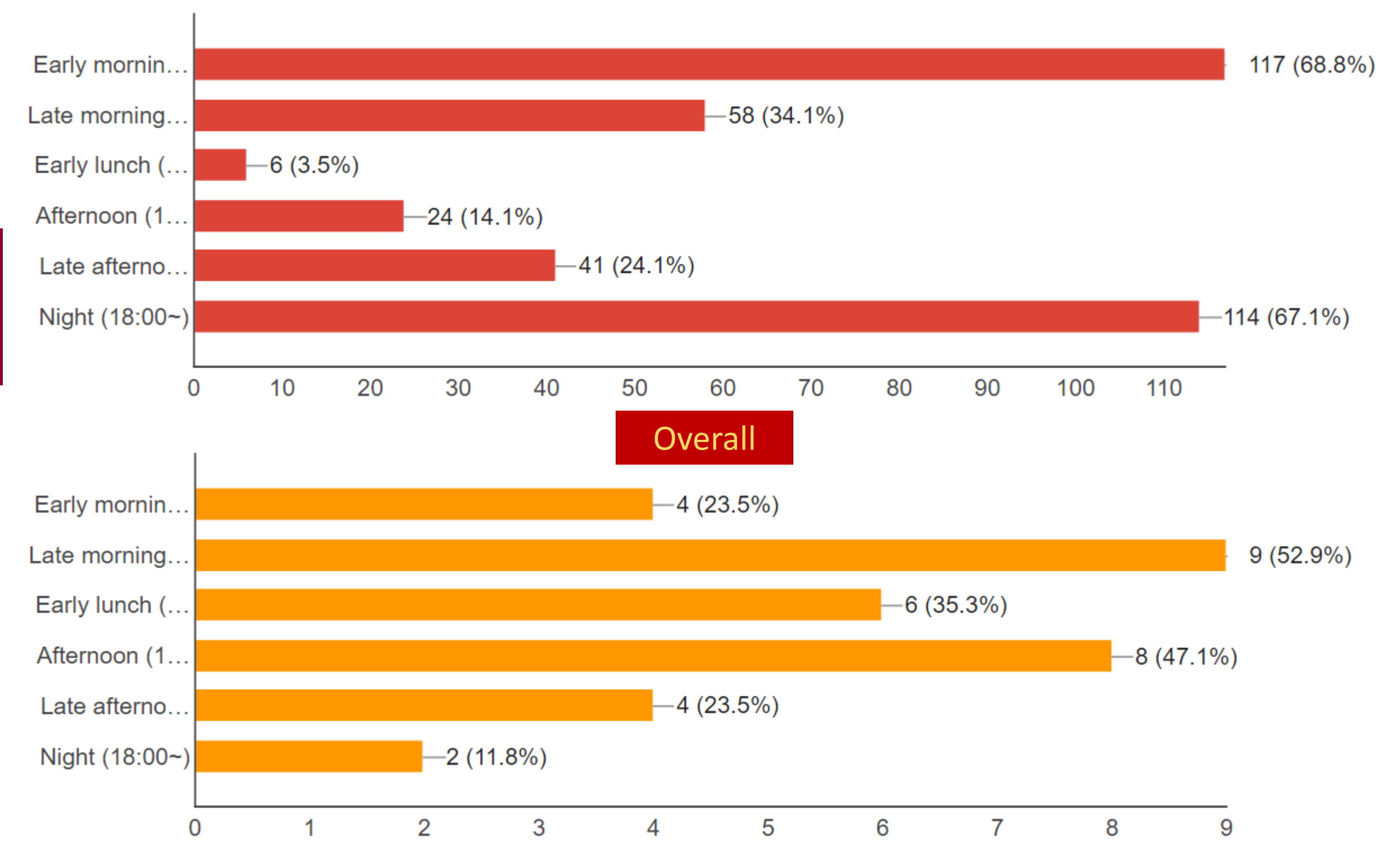
what_is_the_maximum_number_of_class_times_per_week_for_each_example_if_you_have_a_class_that_meets_three_times_a_week_and_one_that_meets_twice_a_week_what_would_be_the_maximum_number_of_class_times_per_week_that_you_would_prefer_to_have_for_all_courses_you_teach_or_take
# R code for data analysis
# ...

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Satisfaction with current schedule



If you needed to drop one course in your finalized schedule, assuming all courses are equally important, the course with which of the following time slot(s) would you wish to drop?



Some teacher don't care if they are going way to fast for the entire class, those classes are the worst. However some teachers actually want the students to succeed so they make sure to teach at the level that the majority of the class is at. Which is good, and I learn more in those classes.

I think that more upper level classes need to be offered and scheduled earlier in the day. 10 and 12 are the easiest times to focus and pay attention. Most of the classes aren't offered until late afternoon which makes it feel like I am not around many of the other students. I would prefer to have classes TTh and MW just because I like to have 4 day school weeks and I feel more productive and motivated then.

Never again on Mon, Wed, Friday teaching.

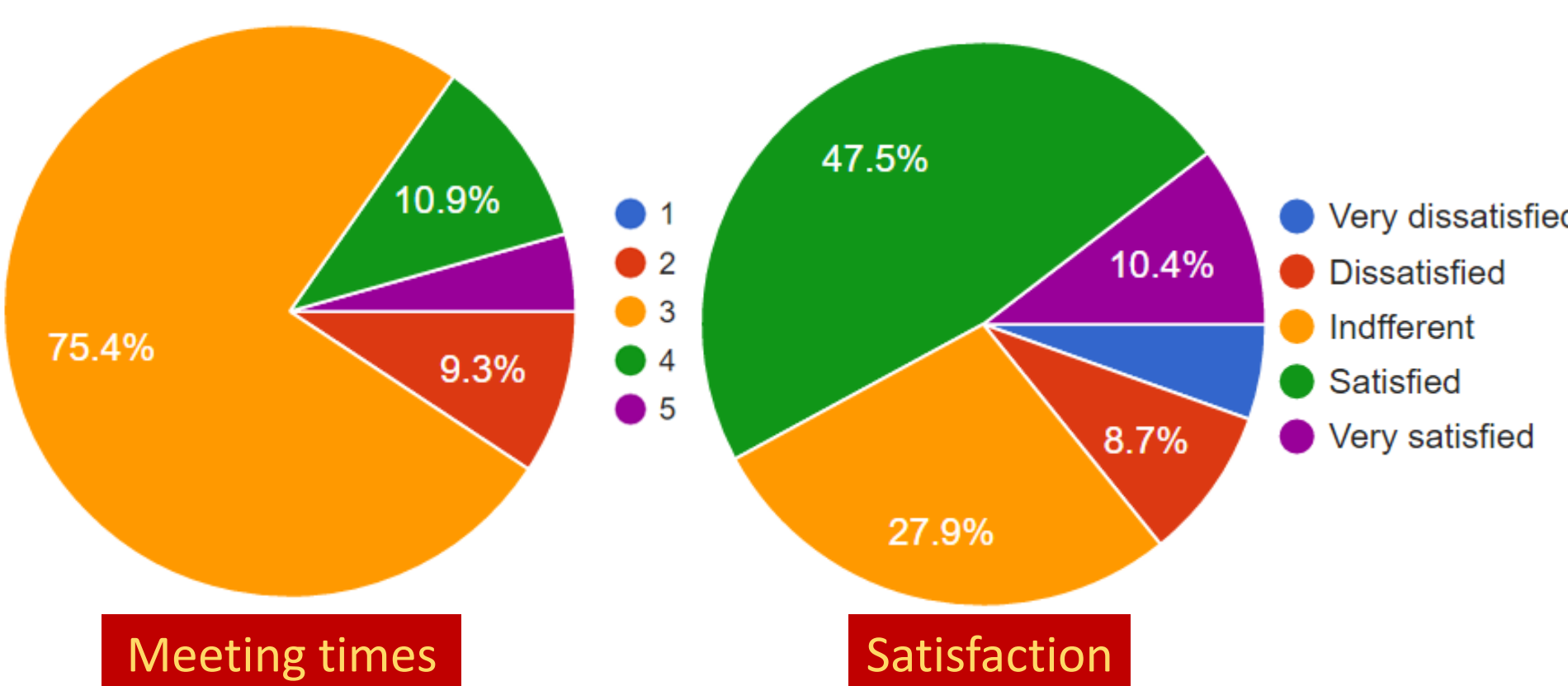
If I need to drop it would be Monday, Friday not Wednesday.

Teaching at Night(18:00~) is great but I am getting too old so I actually dropped it. Friday would be better if we have it as meeting day. I am more than very satisfied with teaching experience at UMD because we love GREAT students who make teaching a JOY.

Not mind doing Mon, Wed or Tue, Thu, but not Mon, Wed, Fri.

Would not want to start 8:00 AM class for personal reason(Kids). Doesn't matter on which day to have more classes.

Maximum number of meeting times per week & Satisfaction about it



Conclusion & Further direction

Conclusion
 We like our Friday to be peaceful
 We don't want the two extremes or too early or too late
 Better class schedule for better quality of education

Further Direction
 "four-day-week" Monday, Wednesday and Tuesday, Thursday Friday as meeting day
 Expand the research to whole campus scale