## Divison of Undergraduate Education

#### Dominik Glandorf

2022-11-11

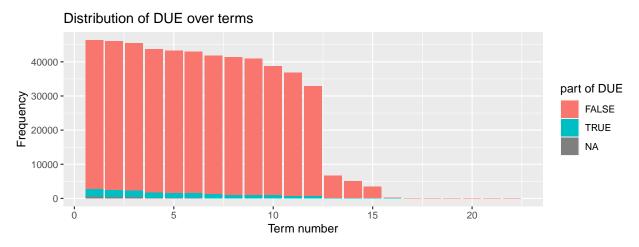
### Division of Undergraduate Education

Students are assigned to one or more schools for each term (missing for 0.3% of terms). These are the schools occurring in the data:

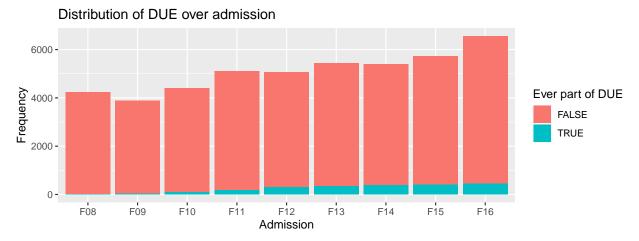
```
[1] "School of Biological Sciences"
                                          "School of Humanities"
##
    [3]
       "Program in Public Health"
                                          "School of the Arts"
##
    [5] "Pharmacy"
                                          "School of Social Ecology"
                                          "School of Physical Sciences"
    [7] "School of Engineering"
    [9] "School of Social Sciences"
                                          "School of Education"
## [11] "Div of Undergraduate Education" "School of Info & Computer Sci"
## [13] "School of Business"
                                          "School of Nursing"
## [15] NA
                                          "Summer Session"
```

#### ## [1] 0

4.7% of students are part of it at least once, overall in 3.1% of terms. However, 3.48% of students have been part of DUE in all of their terms whereas 4.3% have been in their first term.



The share of DUE students decreases over time. Few students (0.4%) join DUE after their first term.



The school is much often assigned for students admitted in later years.

### **Dropout**

45.9% of students that have ever been part of DUE drop out, compared to 9.46% among those who have never been.

49.6% of students that have been part of DUE in first term drop out, compared to 9.45% among those who have not been.

60.1% of students that have always been part of DUE drop out, compared to 9.41% among those who have not always been.

## How are DUE students different from others?

#### Do they study a shorter time at UCI?

```
num_terms = aggregate(term_num ~ mellon_id, term_features, FUN=max)
student_ever_DUE = merge(student_ever_DUE, num_terms, by="mellon_id")
is_DUE = student_ever_DUE$major_school_name_1==TRUE
dropout = student_ever_DUE$dropout==TRUE

terms_DUE_grads = mean(student_ever_DUE$term_num[is_DUE&!dropout], na.rm=T)
terms_non_DUE_grads = mean(student_ever_DUE$term_num[!is_DUE&!dropout], na.rm=T)
terms_DUE_DO = mean(student_ever_DUE$term_num[is_DUE&dropout], na.rm=T)
terms_non_DUE_DO = mean(student_ever_DUE$term_num[!is_DUE&dropout], na.rm=T)
```

Graduates both ever been at DUE or not usually study 12.3 or 12 terms. Dropouts ever been at DUE only study 4 compared to 5.3.

# Is it the ones that did not declare their major or were unaffiliated in the first term?

Almost no students are unaffiliated in the first term (0.06%), neither DUE nor non-DUE students.

Among the DUE students 93.3% did not declare a major in the first term. However, among the remainder this is the case for 19.5%.

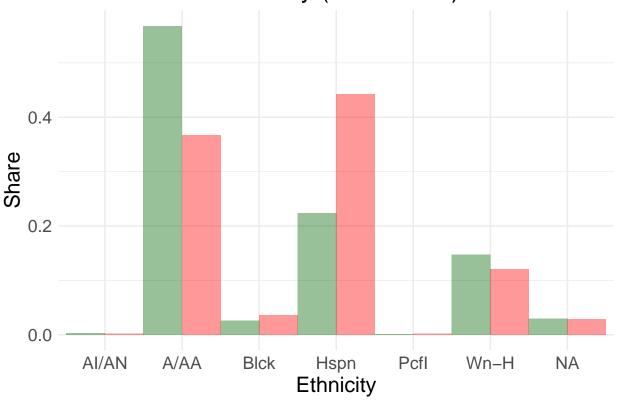
#### Is it international students?

The ratio of international students only differs slightly between ever DUE and never DUE students (10.7% vs 13.4%).

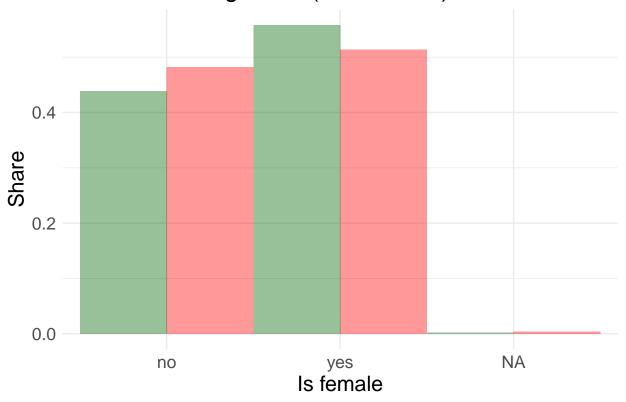
#### Do they differ demographically?

```
## Warning: The dot-dot notation ('..count..') was deprecated in ggplot2 3.4.0.
## i Please use 'after_stat(count)' instead.
```

# Distribution of ethnicity (DUE is red)



## Distribution of gender (DUE is red)



### Do they perform differently in pre uni scores?

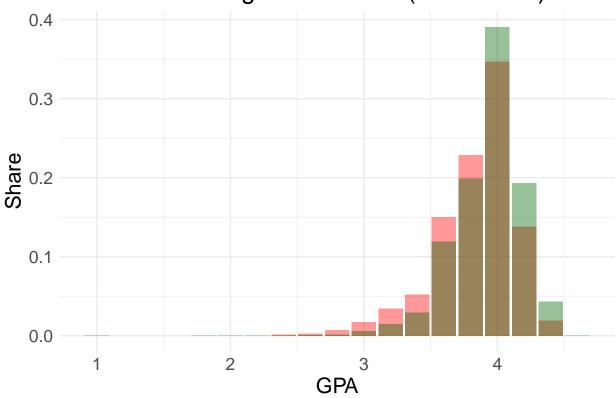
```
student_ever_DUE = merge(student_ever_DUE, students[,c('mellon_id','hs_gpa','toefl_score','uc_total_sco
```

#### Highschool GPA

```
## Warning: Removed 129 rows containing non-finite values ('stat_count()').
```

## Warning: Removed 12396 rows containing non-finite values ('stat\_count()').

# Distribution of highschool GPA (DUE is red)

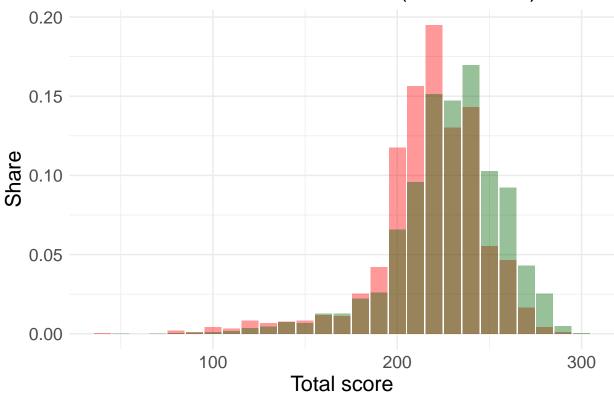


### UC total score

## Warning: Removed 135 rows containing non-finite values ('stat\_count()').

## Warning: Removed 12413 rows containing non-finite values ('stat\_count()').

# Distribution of UC total score (DUE is red)

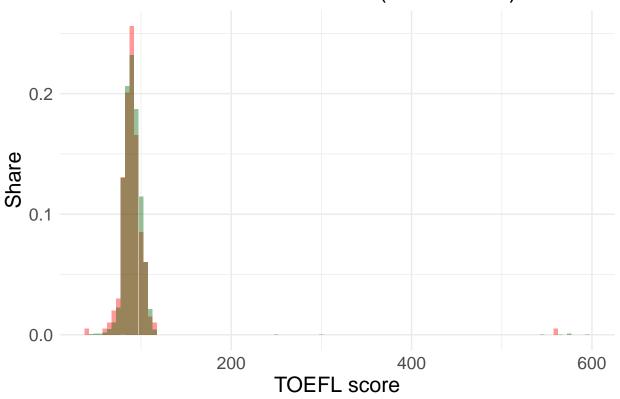


### TOEFL score

## Warning: Removed 1976 rows containing non-finite values ('stat\_count()').

## Warning: Removed 39284 rows containing non-finite values ('stat\_count()').

## Distribution of TOEFL score (DUE is red)



## Do they perform differently in first term?

