



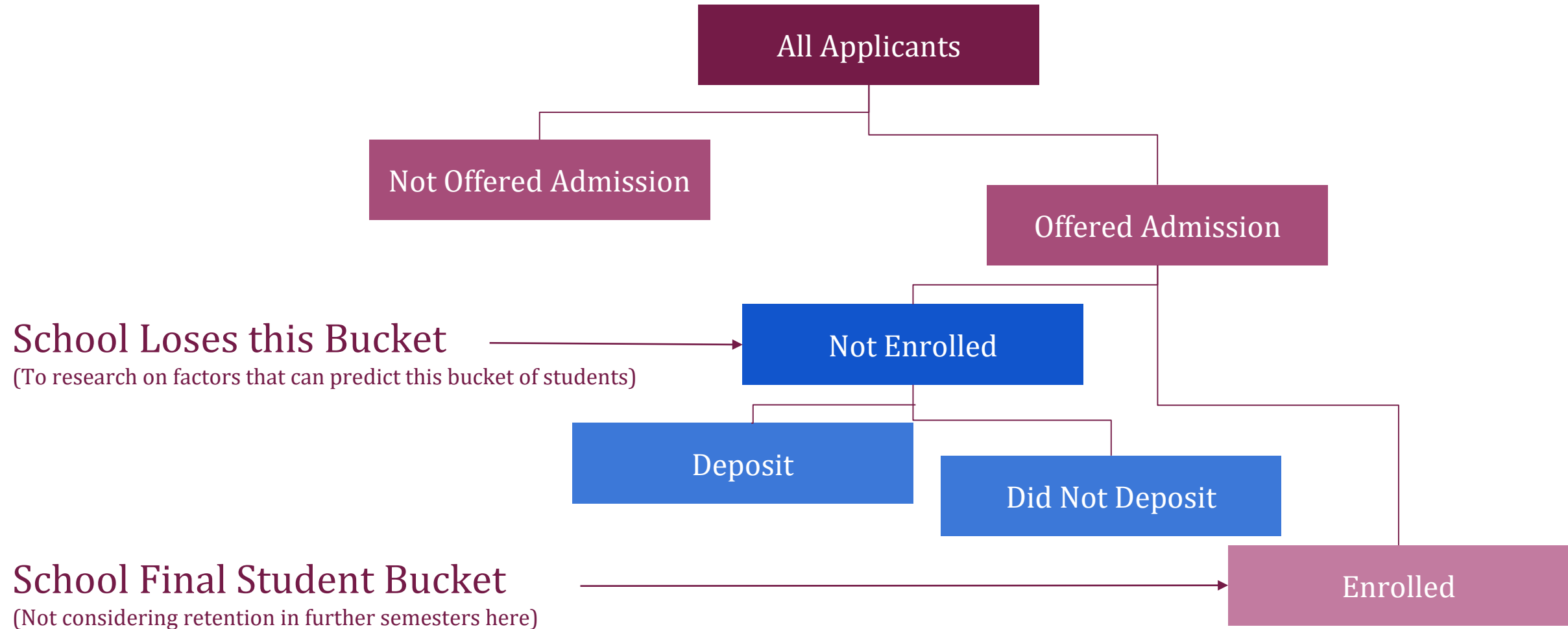
# Applicant Data

**TEACHERS COLLEGE**

7 Relational Databases | Over 45 Features/Variables | Over 200k records

**Shreya Goel**

# Applicant Data Buckets



# Current Research Focus

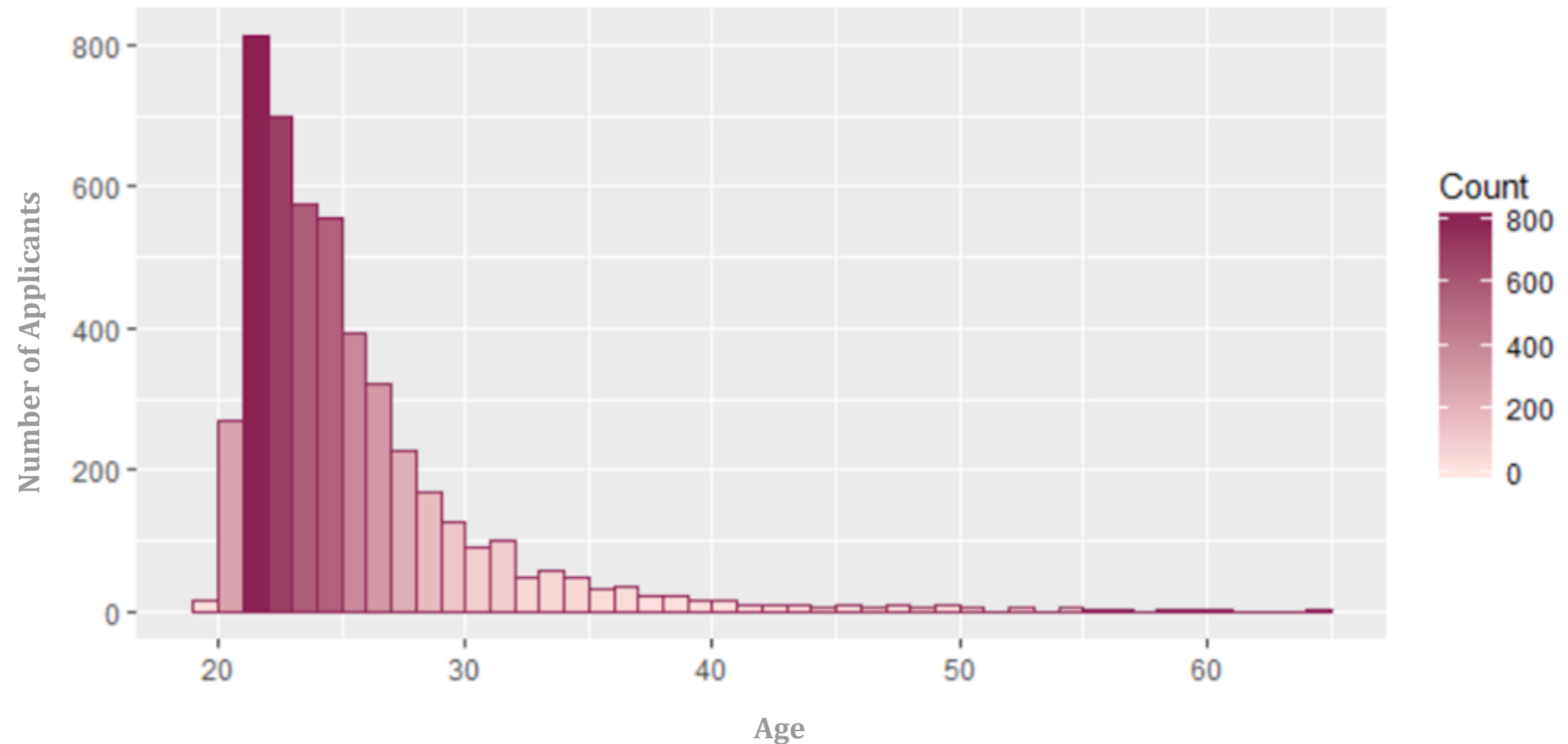
Build a classification scheme to identify the attributes that distinguish between students who deposit but ultimately don't enroll and those who never deposited in first place.

# Initial Analysis

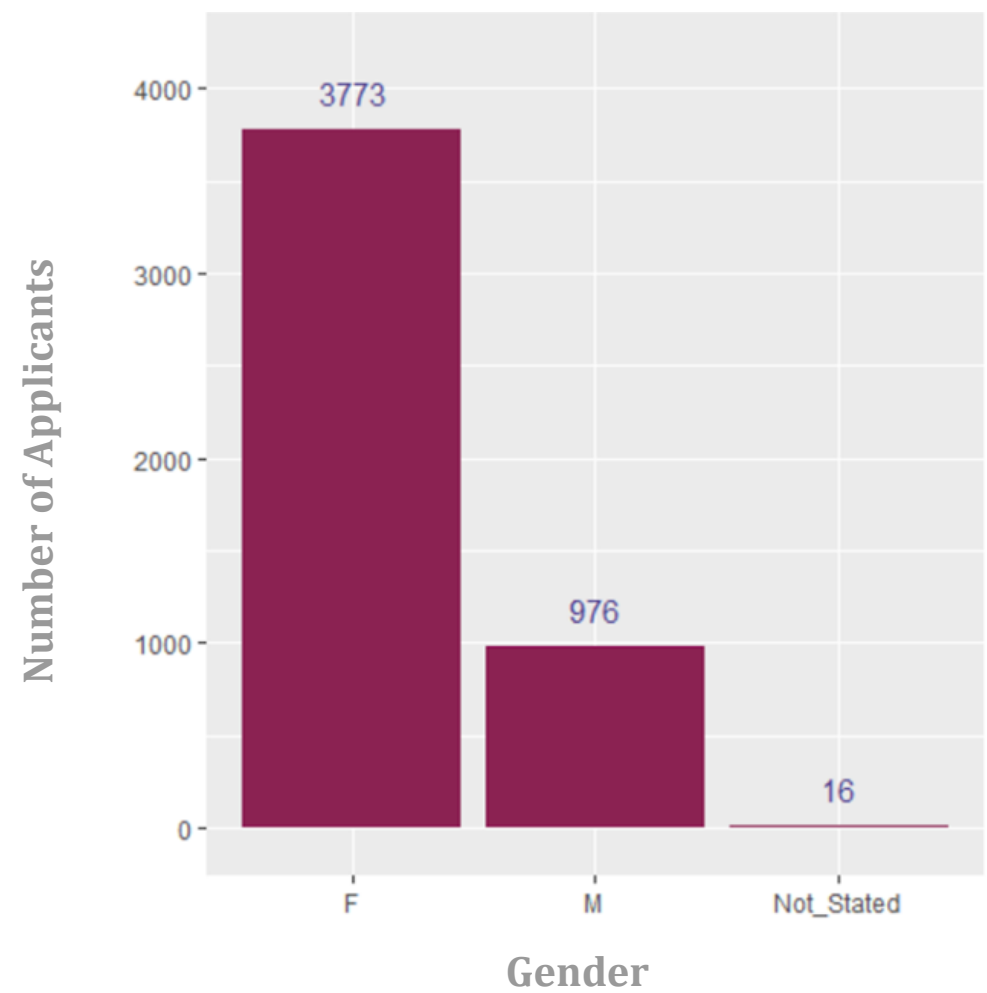
(Facts)

4765 Applications | 4470 Unique Applicants

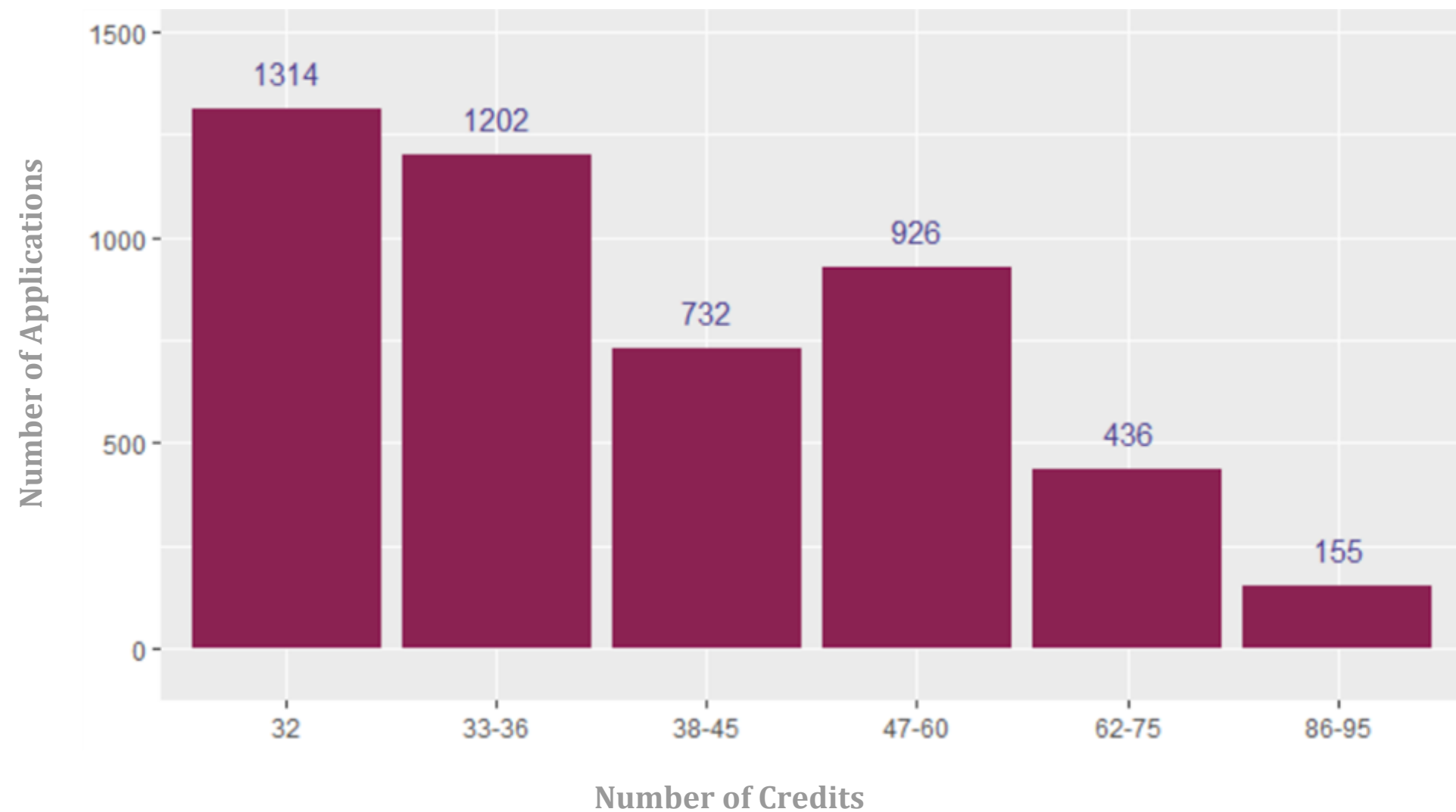
# Age Group of Applicants



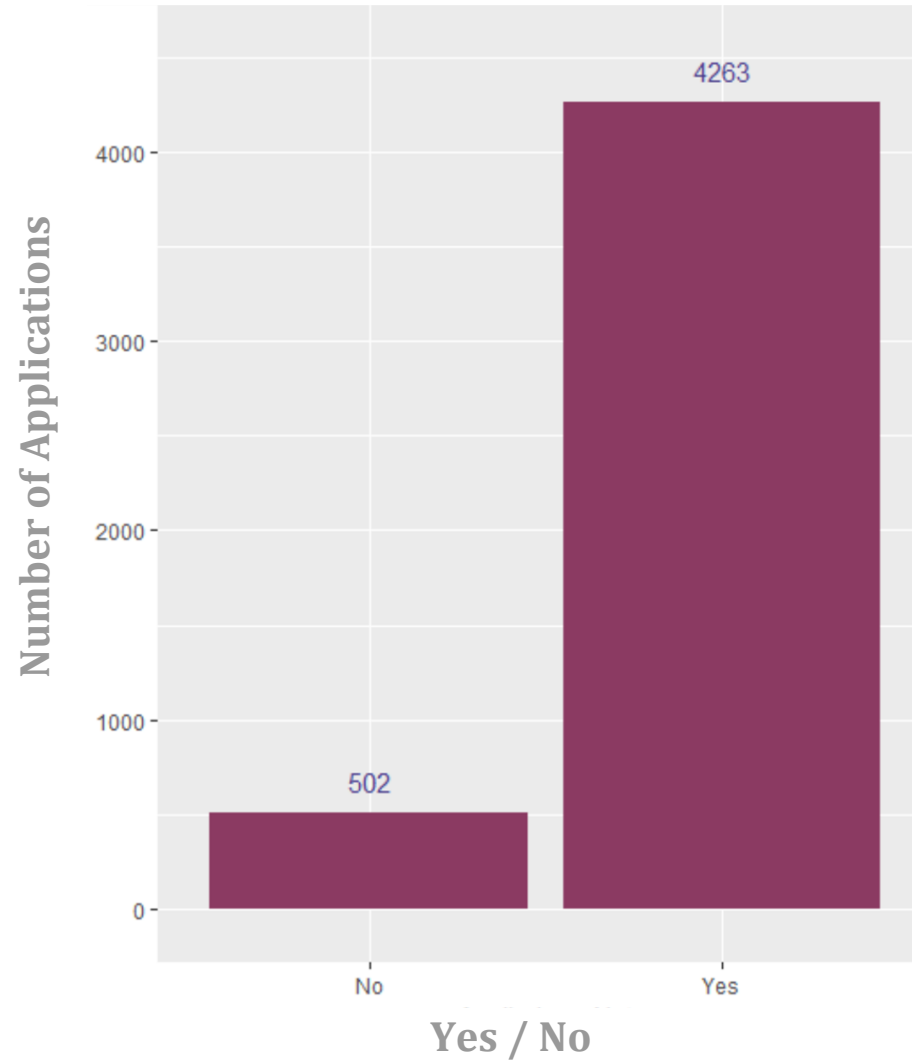
# Gender Dominance Amongst Applicants



# Degree Credits Applied for, by Applicants

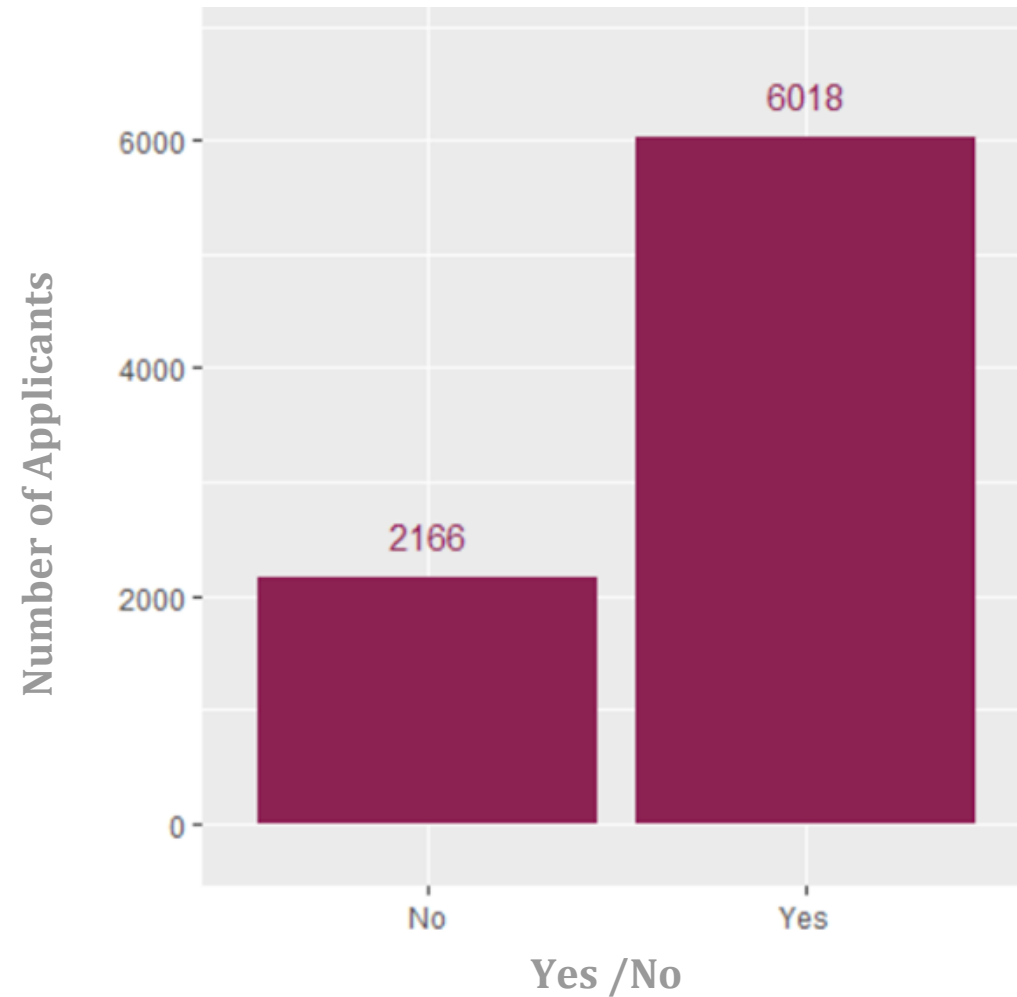


# Number of Scholarship Applications





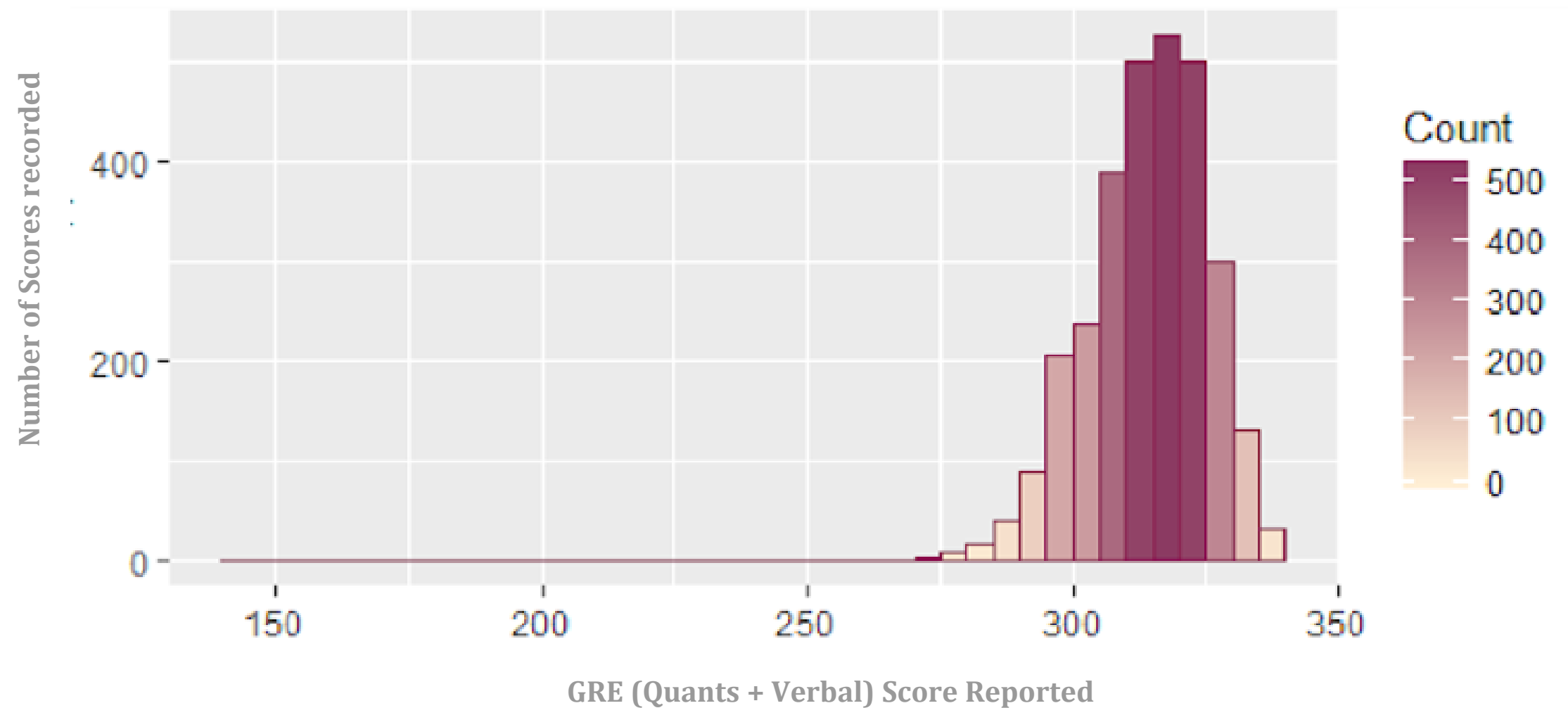
# Previous Degree or Not (Dropped) as reported by the Applicants



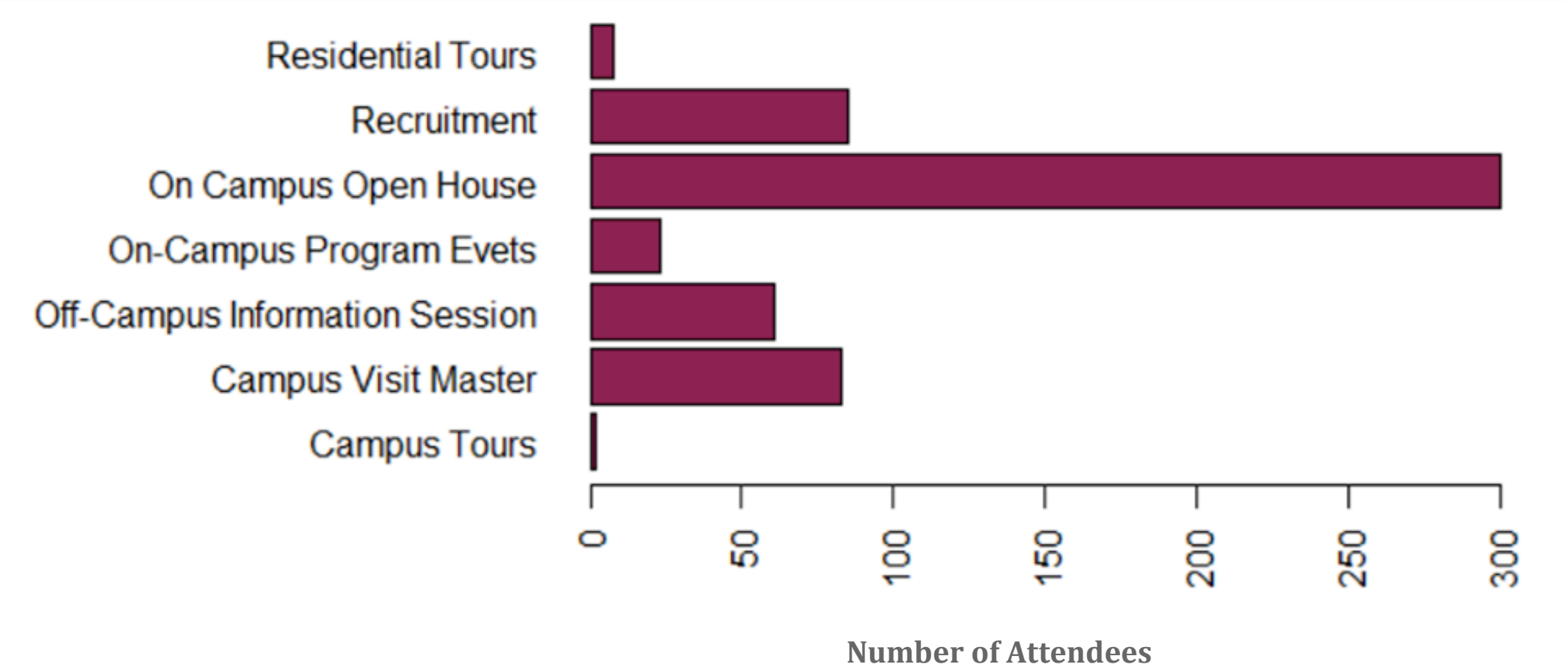
# Previous School GPA Scores as reported by the Applicants



# GRE Total Scores as reported by the Applicants



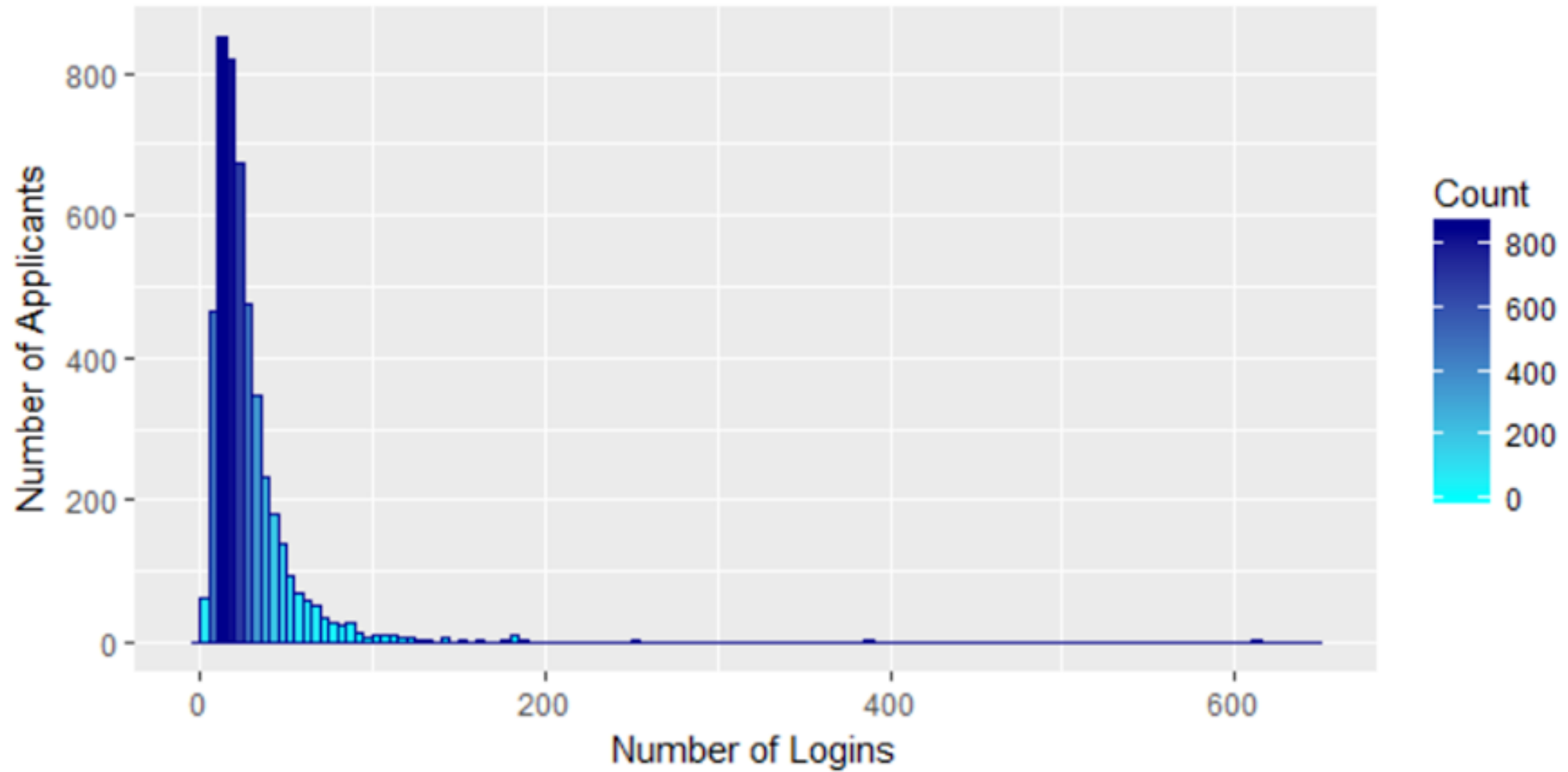
# Engagement with Events



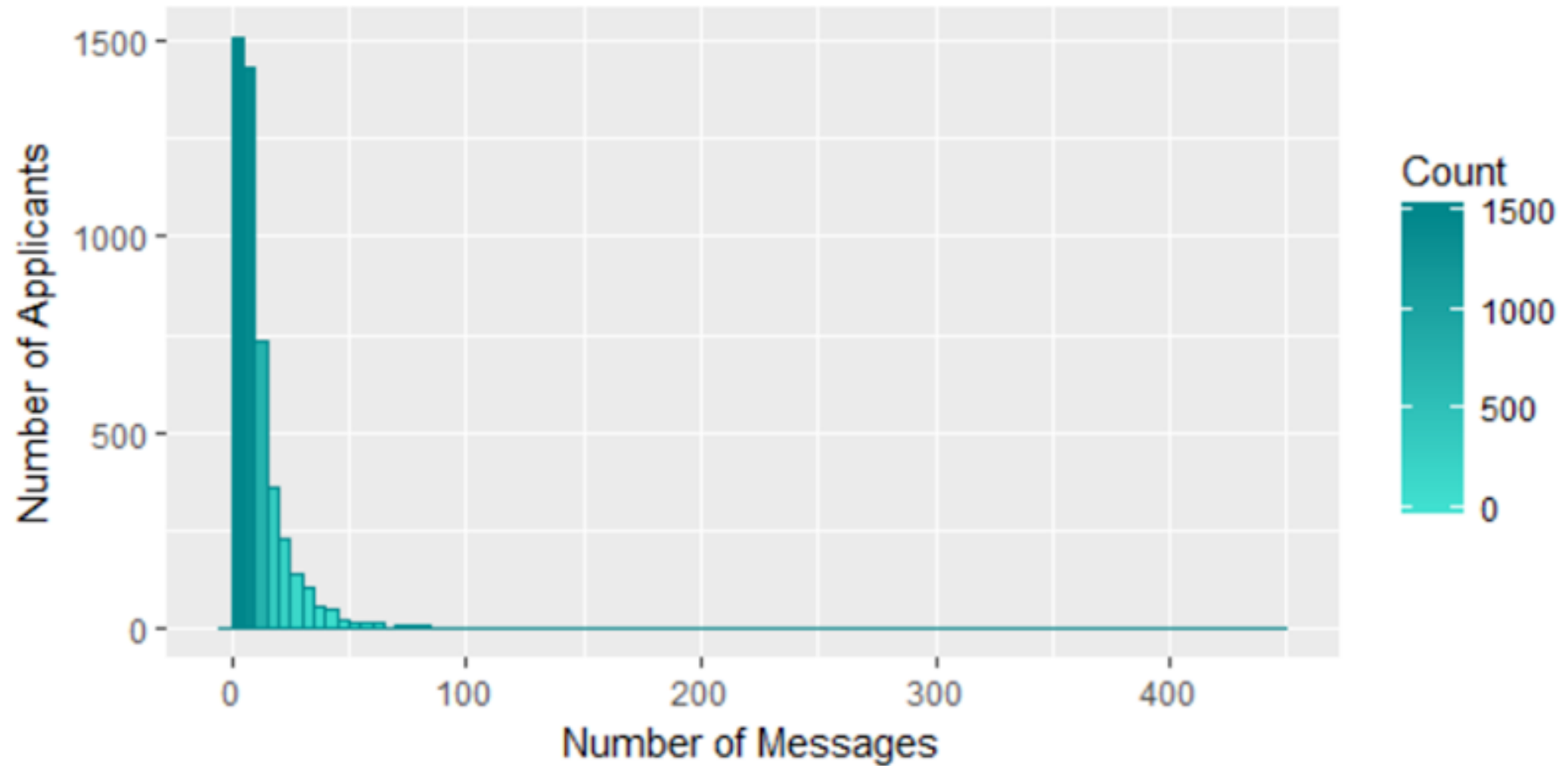
# Login and Messages

**Deposited & Not Deposited**

# Number of Logins per Applicant



# Number of Messages Sent



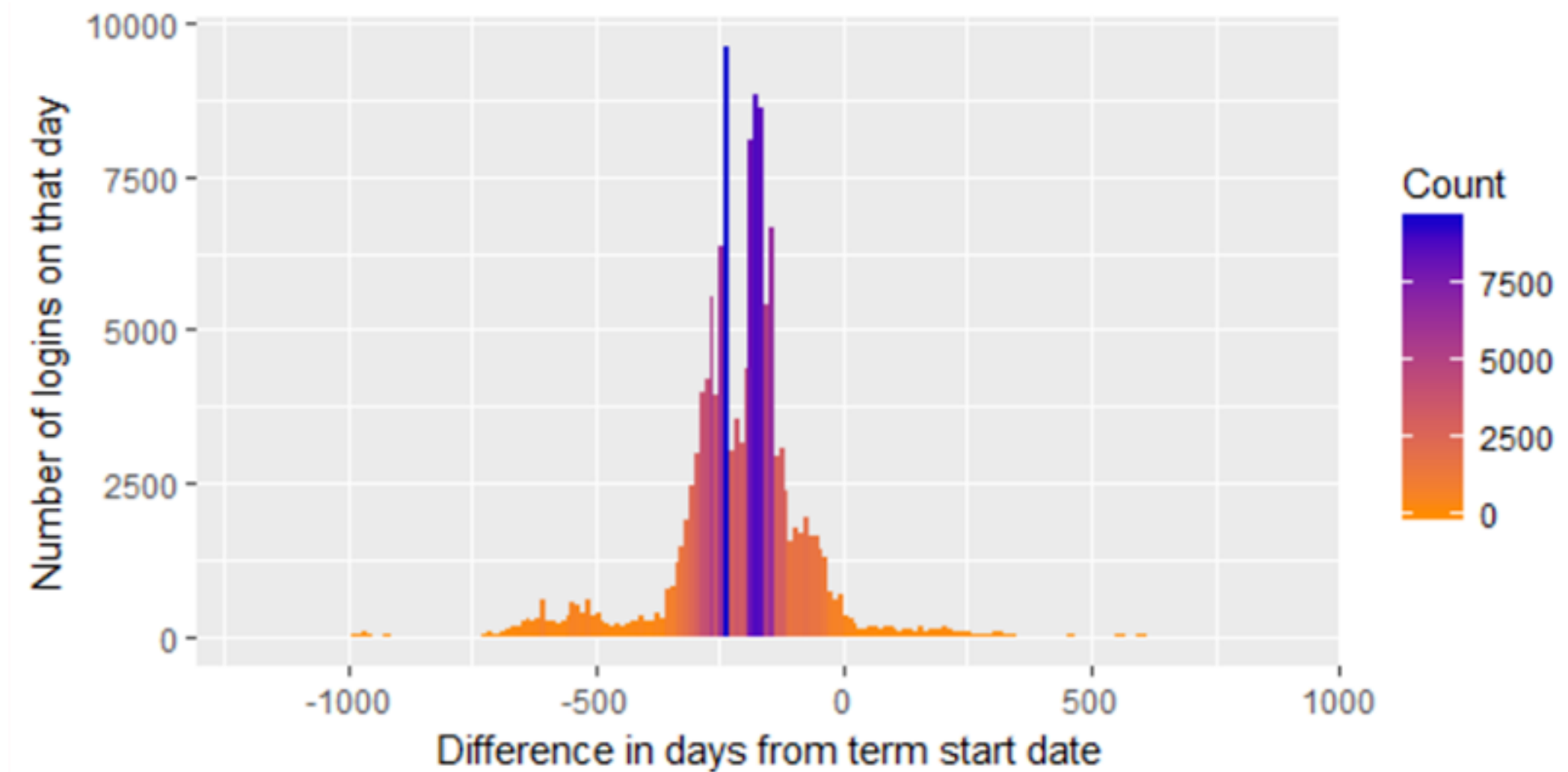
# Logins and Messages Data (per Applicant)

Term start date was chosen to be the date from which other dates were subtracted to know about the applicant behavior, certain number of days away from that date.

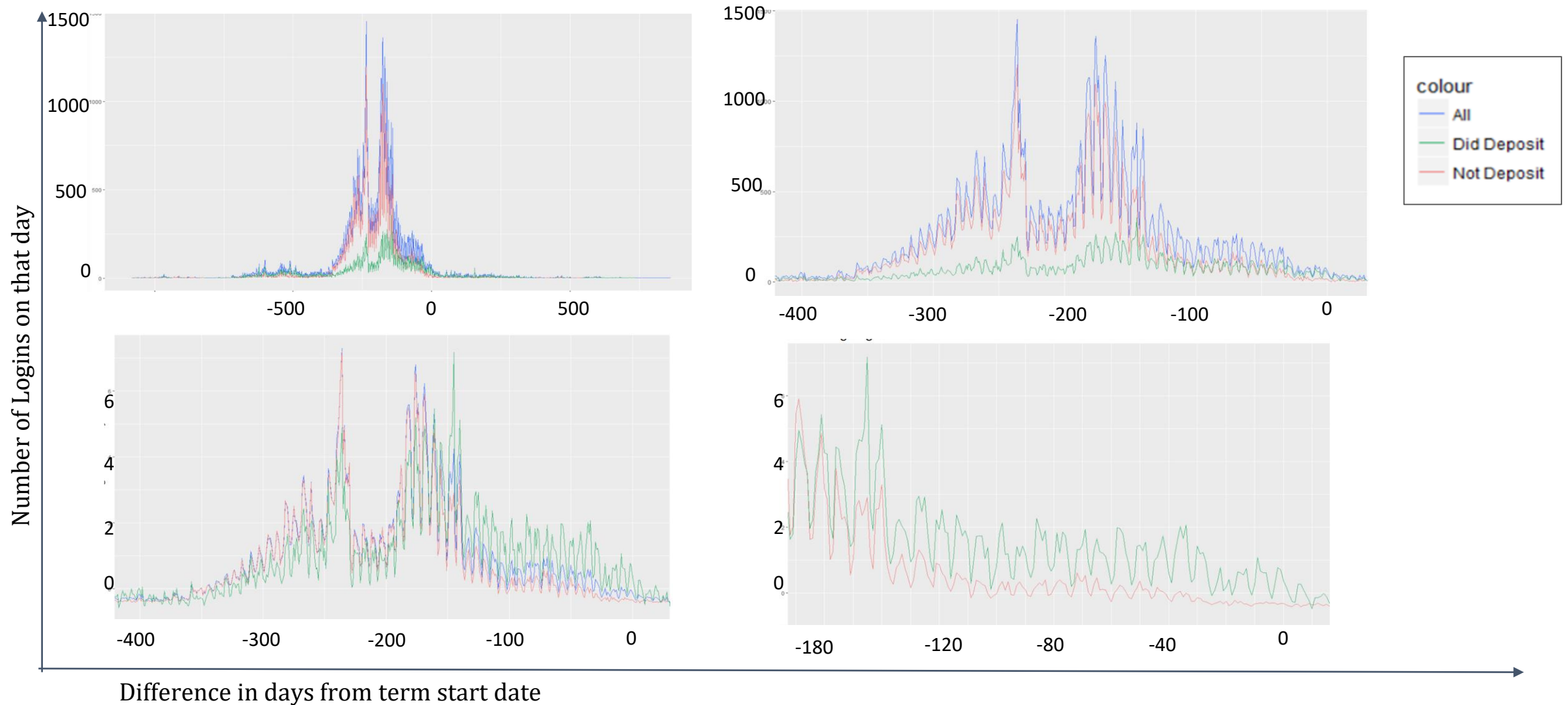
Time was currently separated and ignored from the analysis.



# Difference in days from Term Start Date



# Clustering of Logins over Time



# Recommendations for Future Research

If given access to the complete data pool of applicants, these are some of the ideas I would like to explore:

- Were there any particular semesters or years where applicants chose not show up increasingly than the other years, considering the political or financial situation worldwide.
- Hierarchical Cluster Analysis
- Differentiate behaviour of applicants in different applicant buckets
- Predict the applicants who will not enroll if offered admission
- Predict the applicants who will not show up after they deposit fee



# Thank You

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